

Data Path : Z:\HPCHEM1\BNA F\Data\BF103116\
 Data File : BF090942.D
 Acq On : 31 Oct 2016 21:38
 Operator : UM/SJ
 Sample : H5473-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 10:38:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 28 15:18:12 2016
 Response via : Initial Calibration

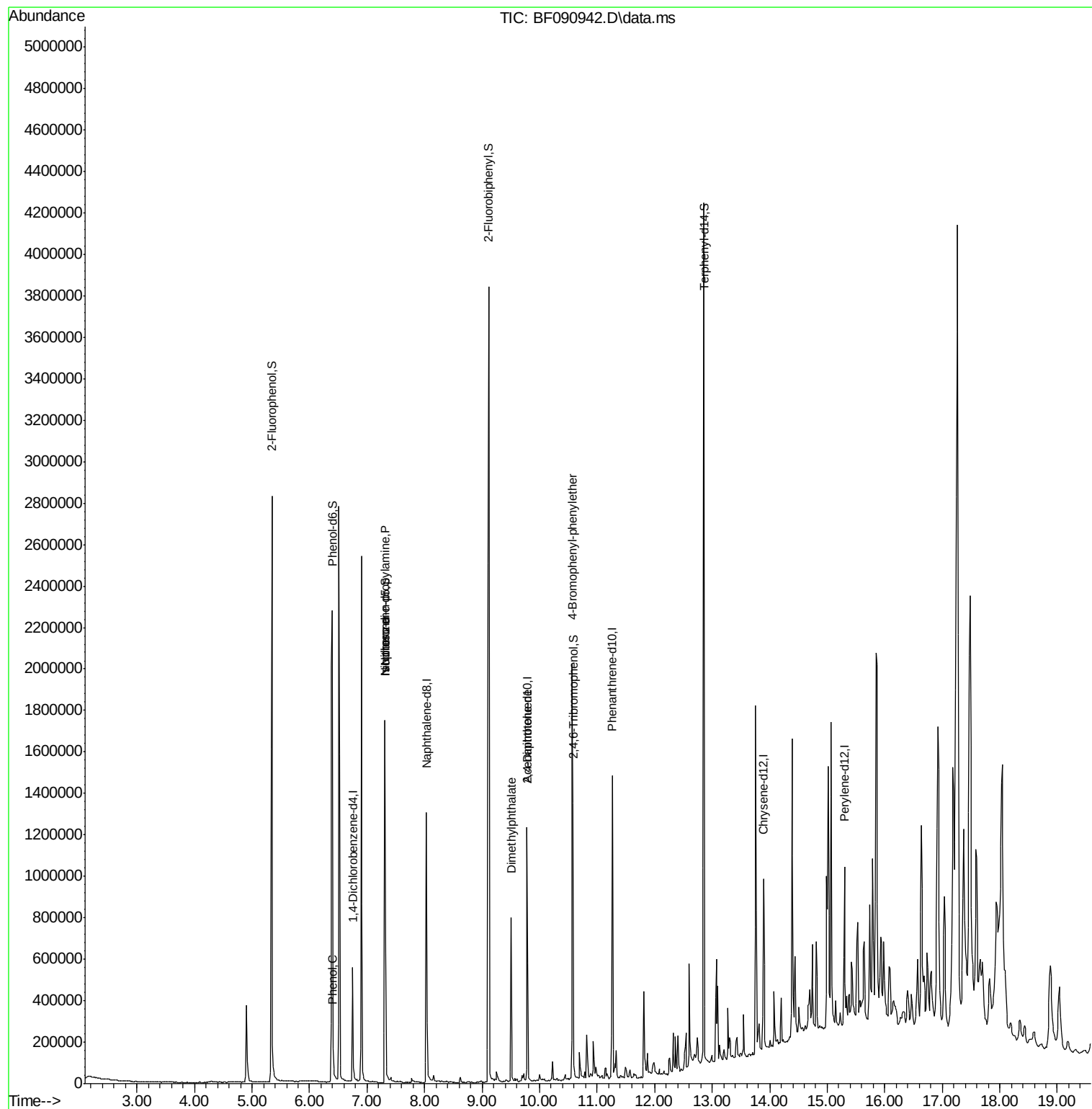
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.750	152	133503	20.00	ng	-0.01
21) Naphthalene-d8	8.030	136	584922	20.00	ng	-0.02
38) Acenaphthene-d10	9.779	164	292305	20.00	ng	-0.03
63) Phenanthrene-d10	11.265	188	495405	20.00	ng	-0.02
75) Chrysene-d12	13.894	240	314692	20.00	ng	-0.03
86) Perylene-d12	15.299	264	306748	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.344	112	1031449	135.08	ng	-0.01
7) Phenol-d6	6.396	99	1369413	132.93	ng	-0.02
23) Nitrobenzene-d5	7.310	82	727318	81.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.579	330	341356	113.64	ng	-0.02
44) 2-Fluorobiphenyl	9.116	172	1583127	95.10	ng	-0.02
78) Terphenyl-d14	12.854	244	1228148	98.32	ng	-0.02
Target Compounds						
10) Phenol	6.407	94	24793	2.18	ng	Qvalue 75
19) n-Nitroso-di-n-propyla...	7.310	70	95924	16.11	ng	# 51
25) Isophorone	7.310	82	646501	35.65	ng	# 58
49) Dimethylphthalate	9.505	163	296300	15.17	ng	# 97
56) 2,4-Dinitrotoluene	9.779	165	37627	7.02	ng	# 33
66) 4-Bromophenyl-phenylether	10.568	248	21120	3.89	ng	# 1

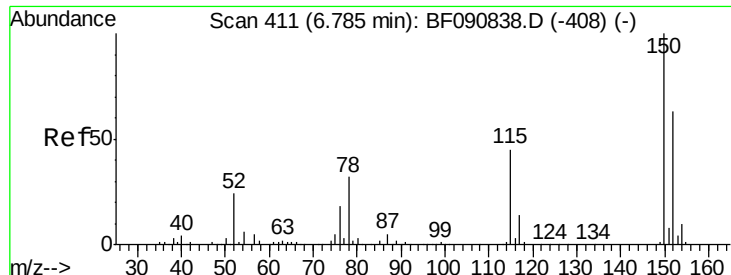
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.750 min Scan# 40

Delta R.T. -0.011 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

Instrument :

BNA_F

ClientSampleId :

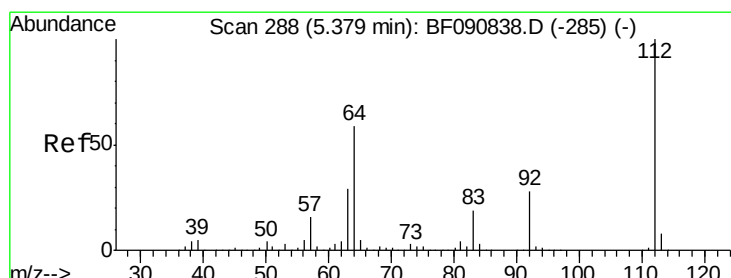
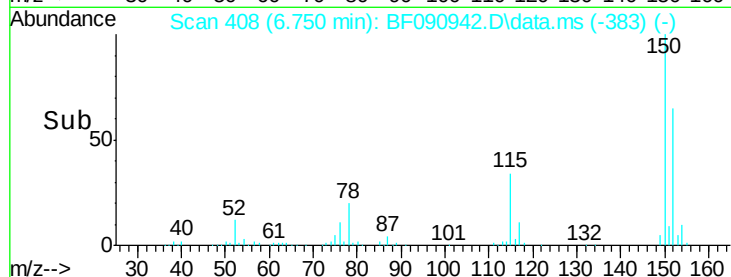
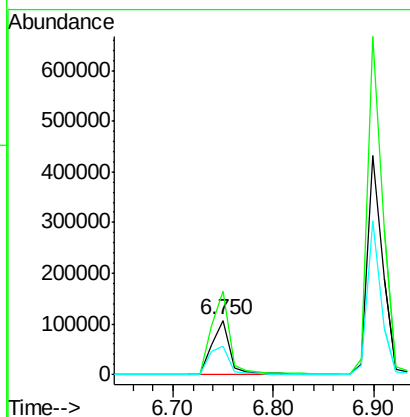
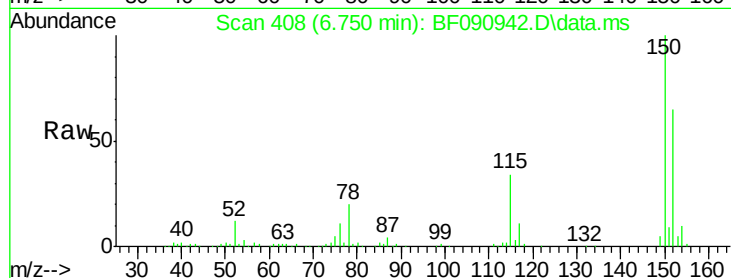
Tot Ion:152 Resp: 133503

Ion Ratio Lower Upper

152 100

150 154.6 124.7 187.1

115 52.6 39.0 58.4



#5

2-Fluorophenol

Concen: 135.08 ng

RT: 5.344 min Scan# 285

Delta R.T. -0.011 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

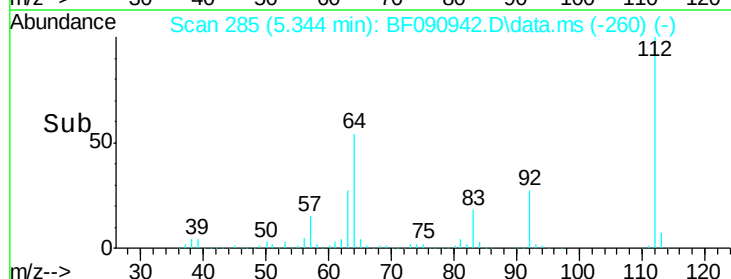
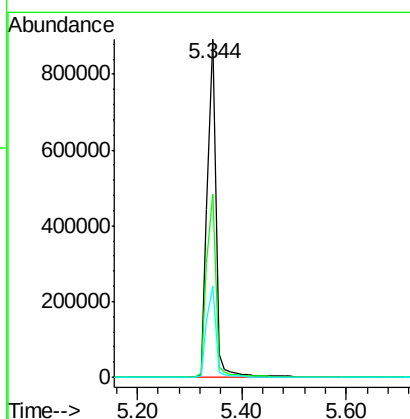
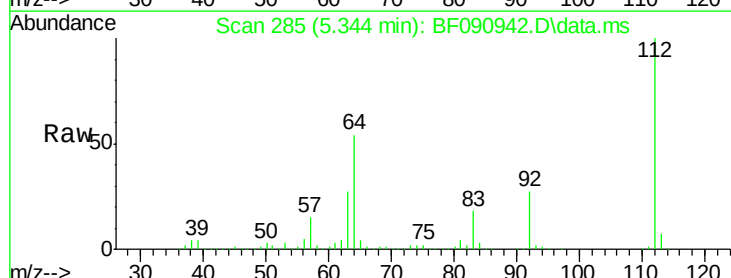
Tgt Ion:112 Resp: 1031449

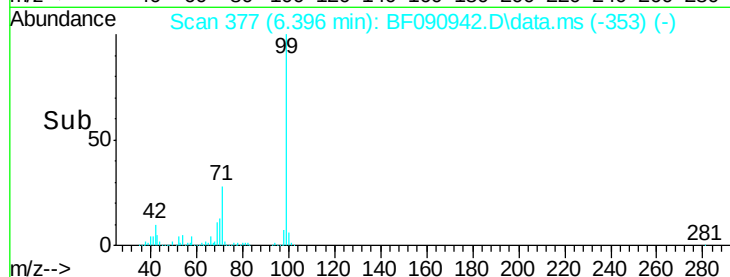
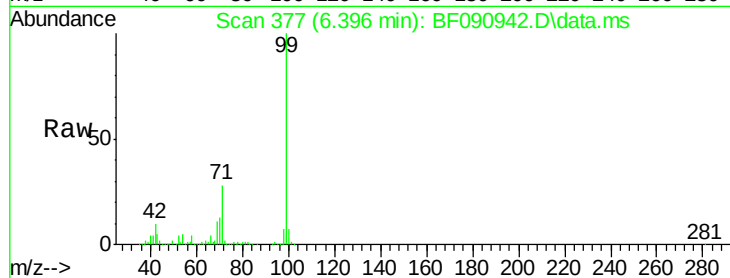
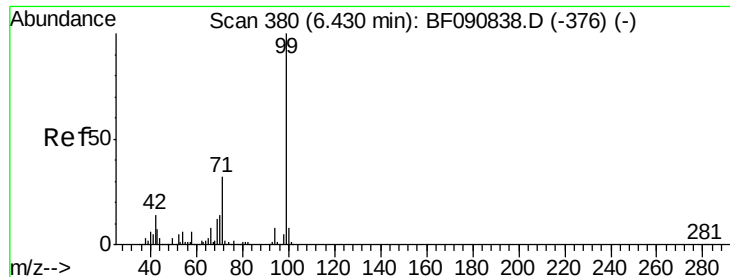
Ion Ratio Lower Upper

112 100

64 54.3 39.7 59.5

63 27.1 17.4 26.0#





#7

Phenol-d6

Concen: 132.93 ng

RT: 6.396 min Scan# 37

Delta R.T. -0.023 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

Instrument :

BNA_F

ClientSampleId :

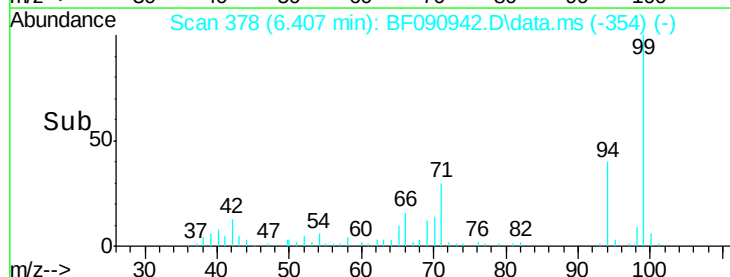
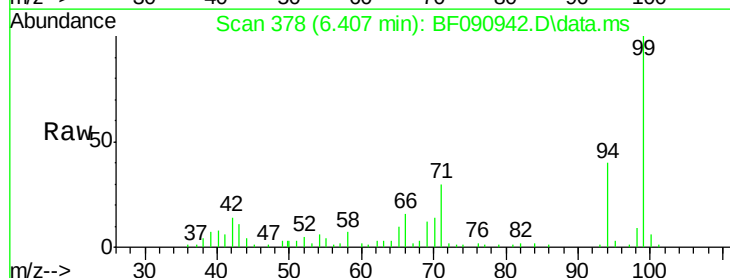
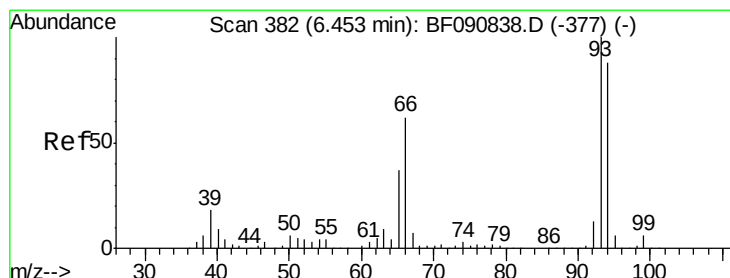
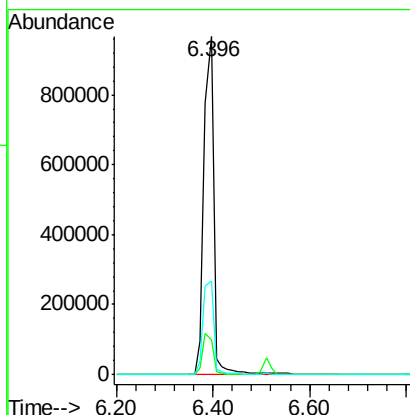
Tot Ion: 99 Resp: 1369413

Ion Ratio Lower Upper

99 100

42 10.4 13.7 20.5#

71 27.8 14.2 21.2#



#10

Phenol

Concen: 2.18 ng

RT: 6.407 min Scan# 378

Delta R.T. -0.023 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

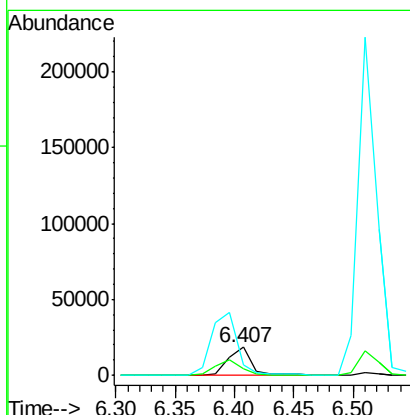
Tgt Ion: 94 Resp: 24793

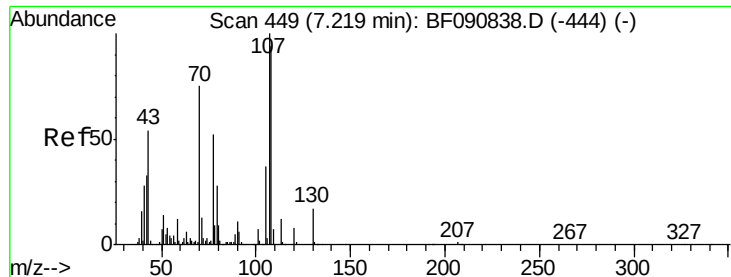
Ion Ratio Lower Upper

94 100

65 25.5 0.7 40.7

66 39.7 0.8 40.8

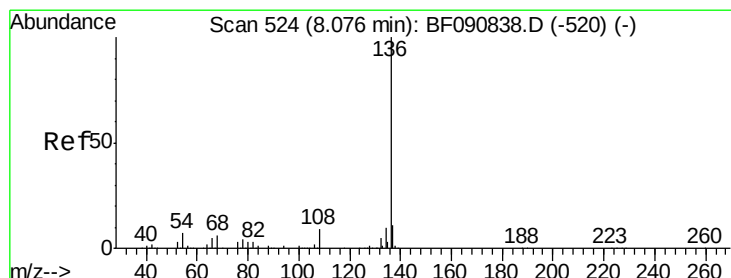
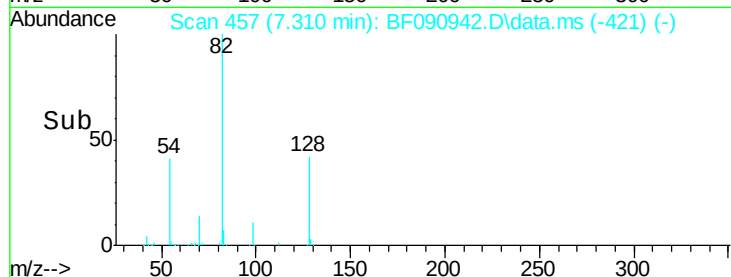
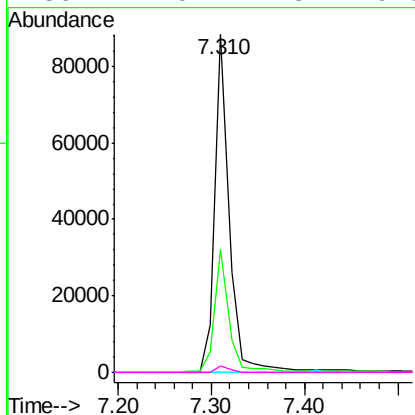
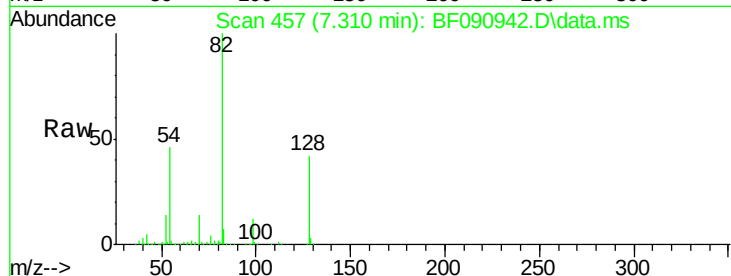




#19
n-Nitroso-di-n-propylamine
Concen: 16.11 ng
RT: 7.310 min Scan# 45
Delta R.T. 0.114 min
Lab File: BF090942.D
Acq: 31 Oct 2016 21:38

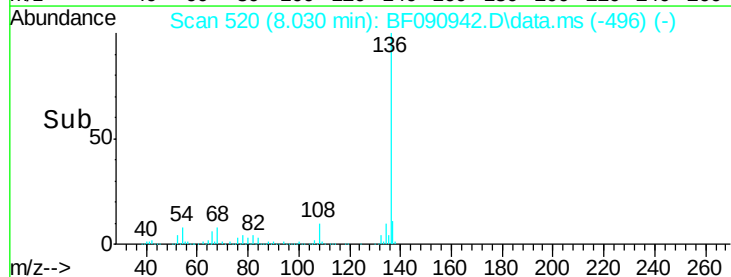
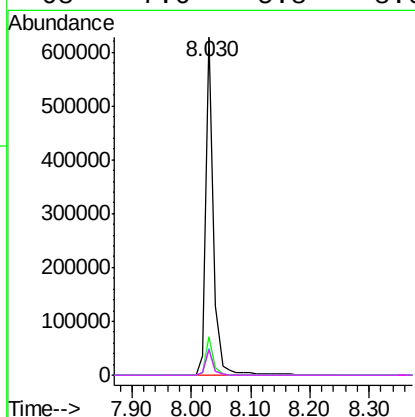
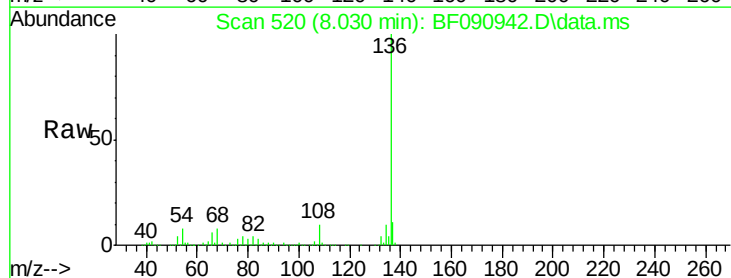
Instrument :
BNA_F
ClientSampleId :

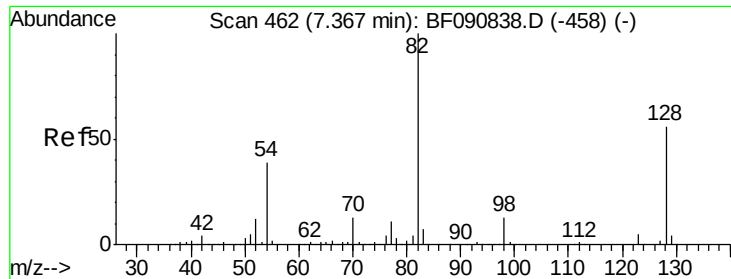
Tot Ion: 70 Resp: 95924
Ion Ratio Lower Upper
70 100
42 36.3 63.8 95.6#
101 0.0 9.2 13.8#
130 2.0 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.030 min Scan# 520
Delta R.T. -0.023 min
Lab File: BF090942.D
Acq: 31 Oct 2016 21:38

Tgt Ion:136 Resp: 584922
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 8.0 8.2 12.2#
68 7.6 5.8 8.6

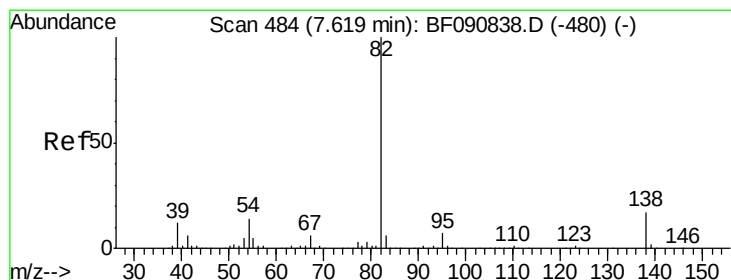
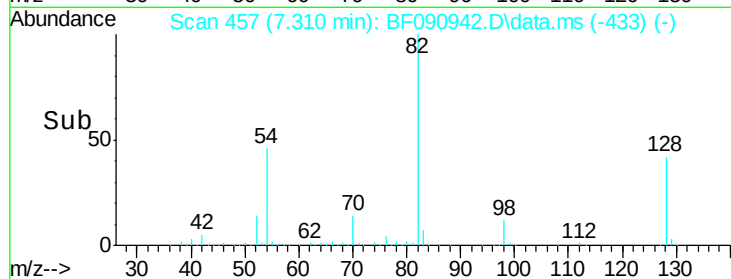
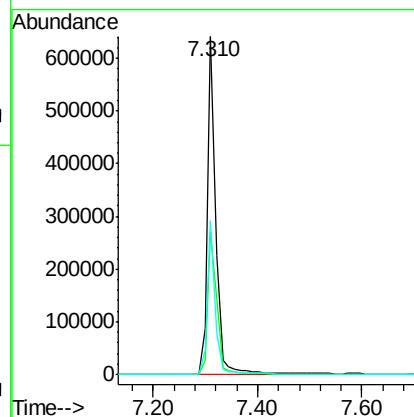
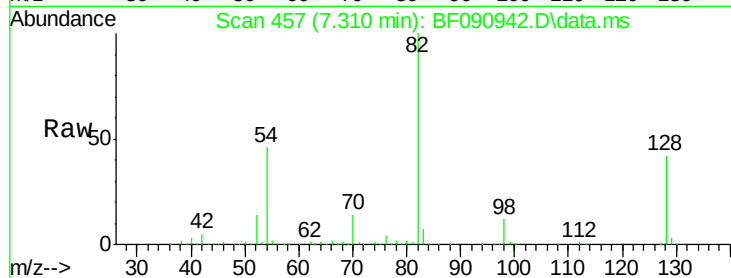




#23
 Nitrobenzene-d5
 Concen: 81.40 ng
 RT: 7.310 min Scan# 45
 Delta R.T. -0.023 min
 Lab File: BF090942.D
 Acq: 31 Oct 2016 21:38

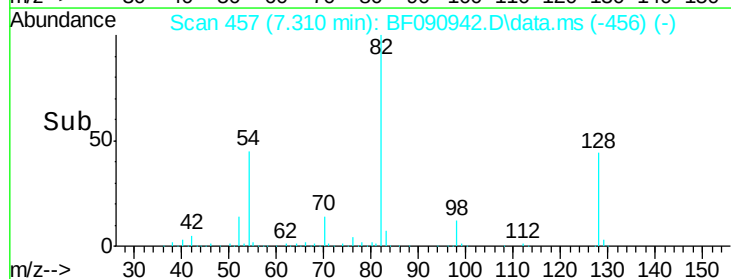
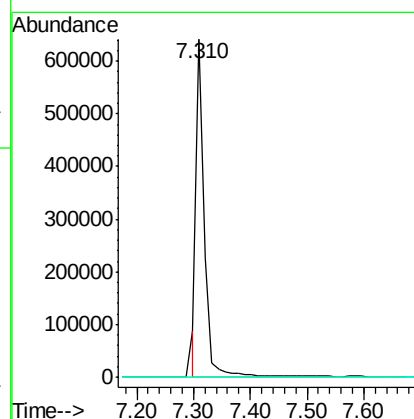
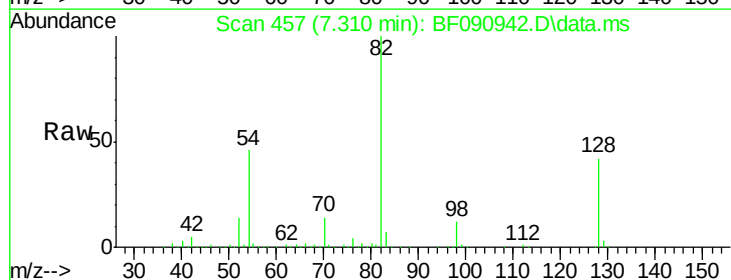
Instrument :
 BNA_F
 ClientSampleId :

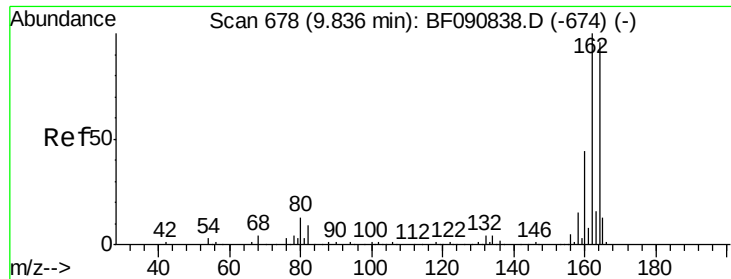
Tot Ion: 82 Resp: 727318
 Ion Ratio Lower Upper
 82 100
 128 42.0 51.0 76.6#
 54 45.5 47.5 71.3#



#25
 Isophorone
 Concen: 35.65 ng
 RT: 7.310 min Scan# 457
 Delta R.T. -0.286 min
 Lab File: BF090942.D
 Acq: 31 Oct 2016 21:38

Tgt Ion: 82 Resp: 646501
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.779 min Scan# 67

Delta R.T. -0.034 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

Instrument :

BNA_F

ClientSampleId :

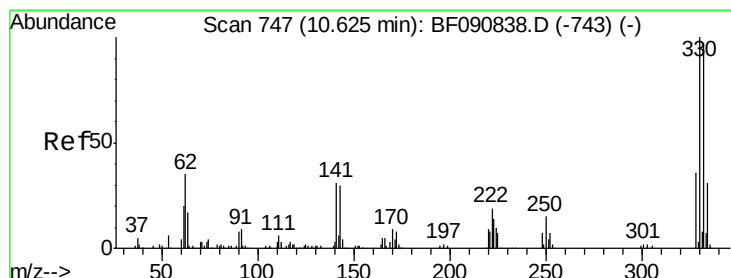
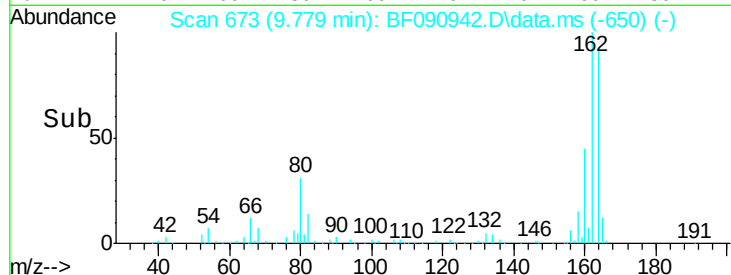
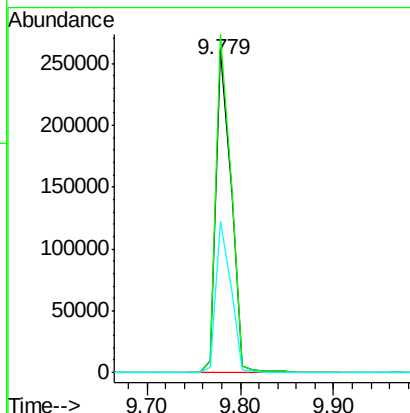
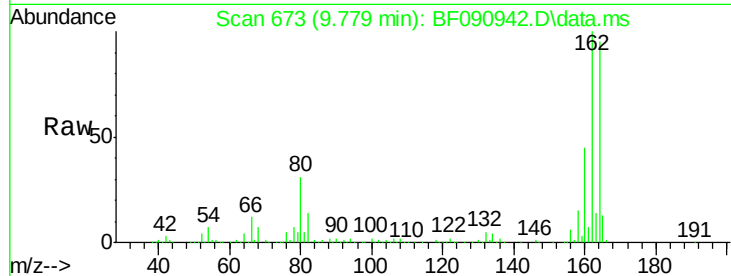
Tot Ion:164 Resp: 292305

Ion Ratio Lower Upper

164 100

162 105.1 75.2 112.8

160 46.9 31.5 47.3



#41

2,4,6-Tribromophenol

Concen: 113.64 ng

RT: 10.579 min Scan# 743

Delta R.T. -0.023 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

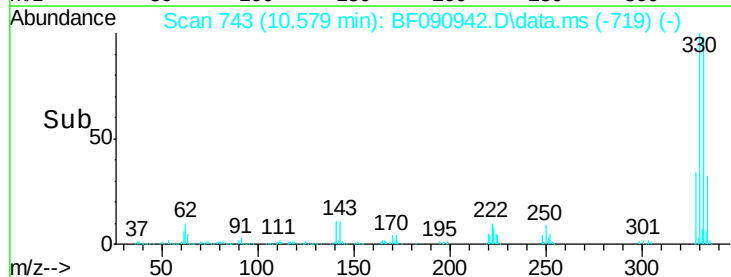
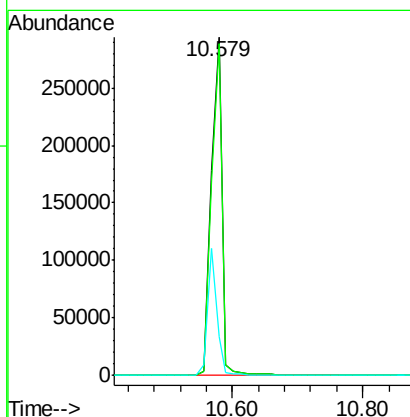
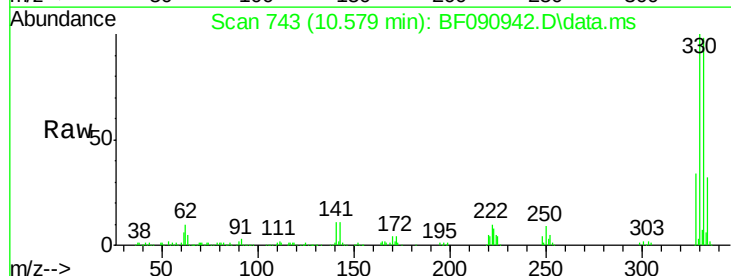
Tgt Ion:330 Resp: 341356

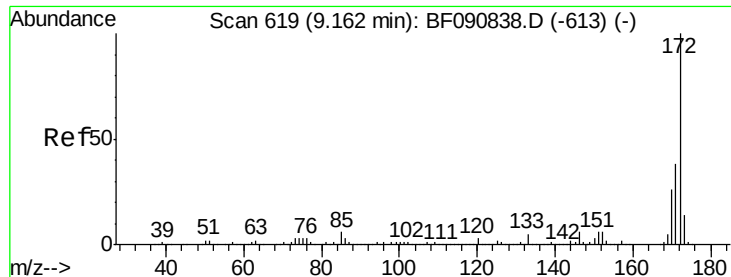
Ion Ratio Lower Upper

330 100

332 96.9 76.6 114.8

141 32.2 29.7 44.5

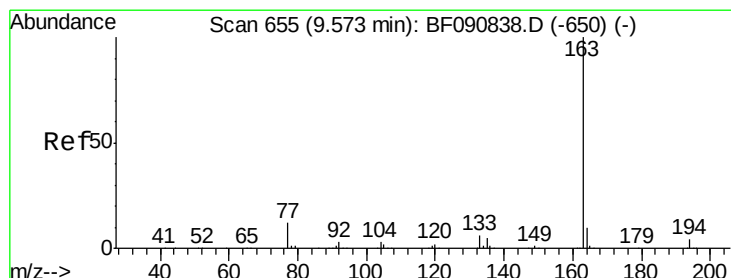
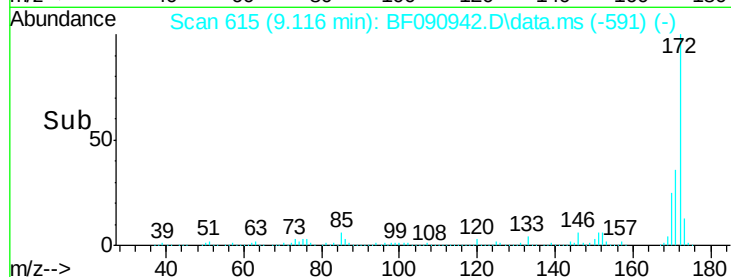
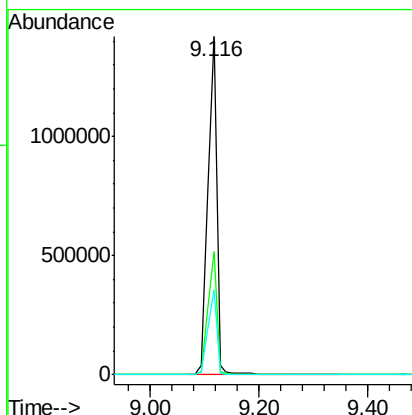
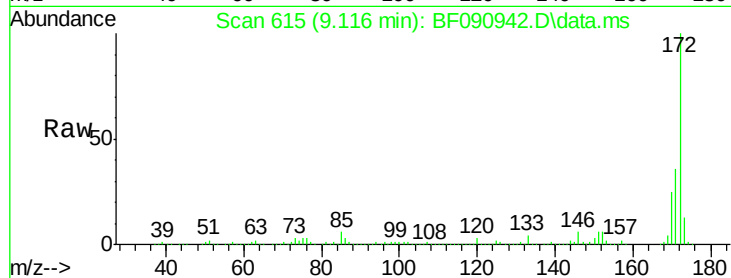




#44
2-Fluorobiphenyl
Concen: 95.10 ng
RT: 9.116 min Scan# 61
Delta R.T. -0.023 min
Lab File: BF090942.D
Acq: 31 Oct 2016 21:38

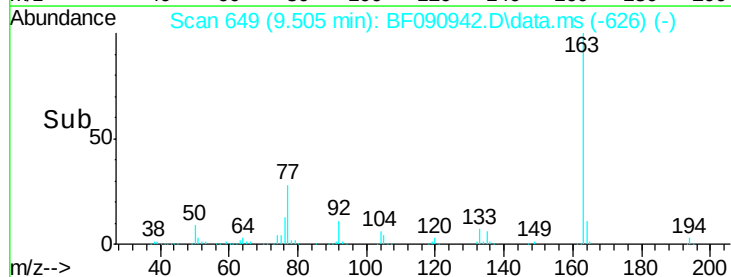
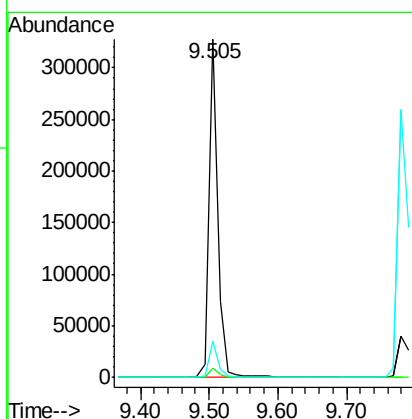
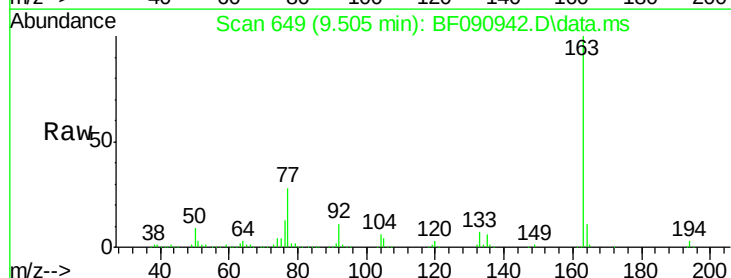
Instrument :
BNA_F
ClientSampleId :

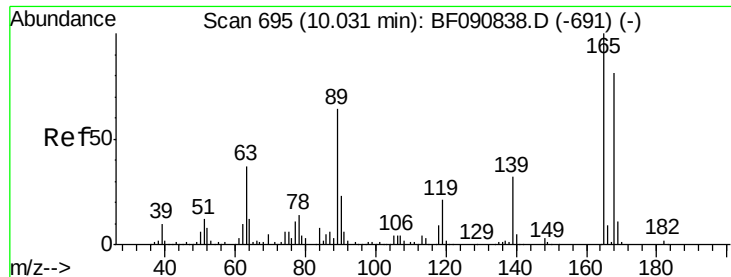
Tot Ion:172 Resp: 1583127
Ion Ratio Lower Upper
172 100
171 36.2 26.1 39.1
170 24.9 17.4 26.2



#49
Dimethylphthalate
Concen: 15.17 ng
RT: 9.505 min Scan# 649
Delta R.T. -0.034 min
Lab File: BF090942.D
Acq: 31 Oct 2016 21:38

Tgt Ion:163 Resp: 296300
Ion Ratio Lower Upper
163 100
194 2.8 4.4 6.6#
164 10.5 8.3 12.5

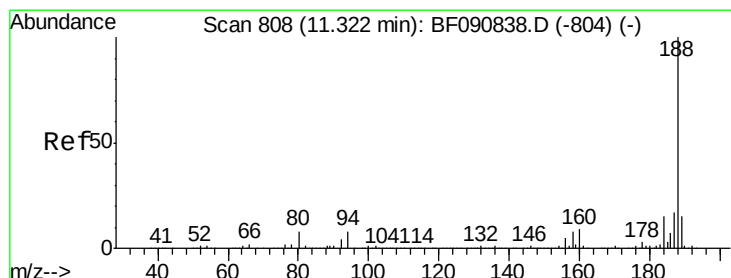
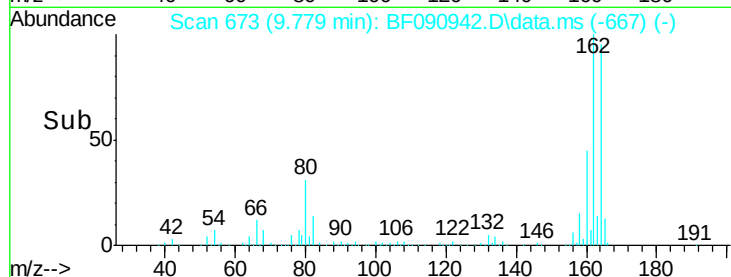
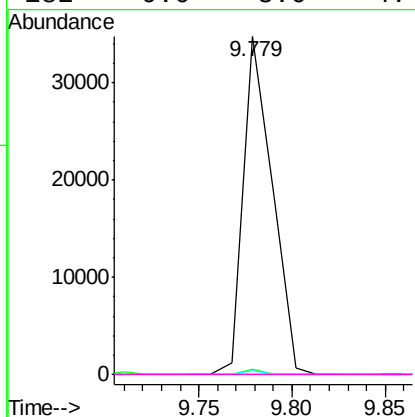
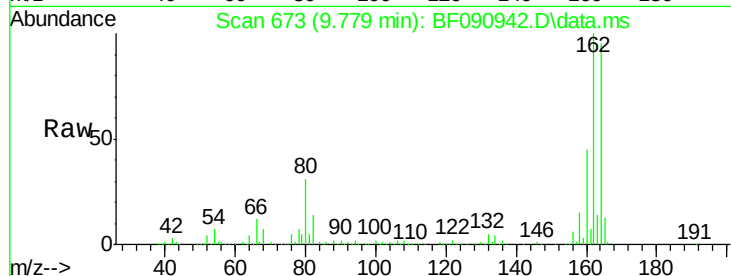




#56
2,4-Dinitrotoluene
Concen: 7.02 ng
RT: 9.779 min Scan# 67
Delta R.T. -0.228 min
Lab File: BF090942.D
Acq: 31 Oct 2016 21:38

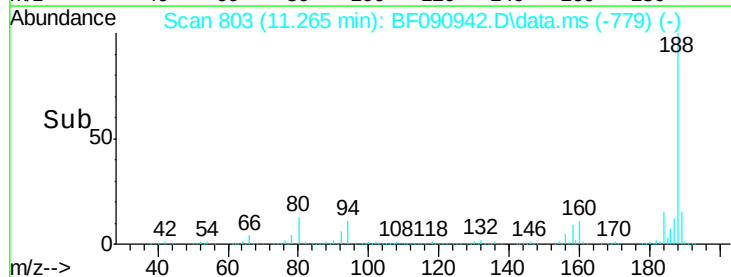
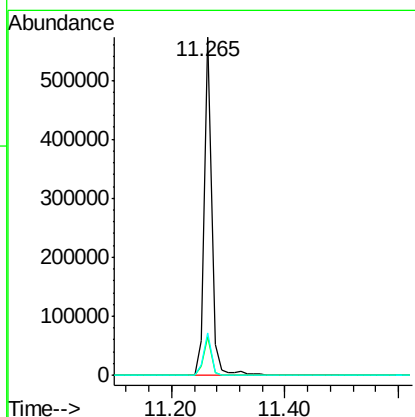
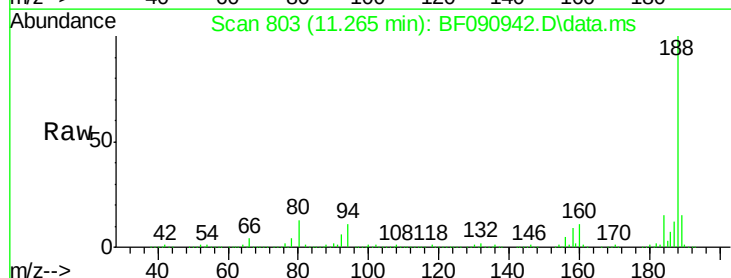
Instrument :
BNA_F
ClientSampleId :

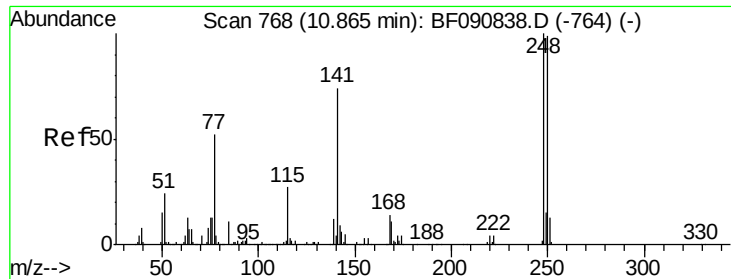
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	29.8	44.6#
89	1.3	44.5	66.7#
182	0.0	3.0	4.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.265 min Scan# 803
Delta R.T. -0.023 min
Lab File: BF090942.D
Acq: 31 Oct 2016 21:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	11.1	16.7
80	12.5	11.0	16.4

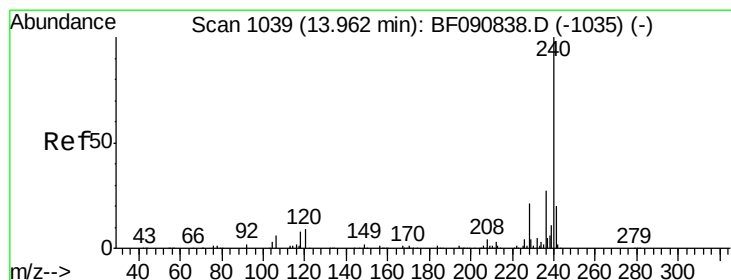
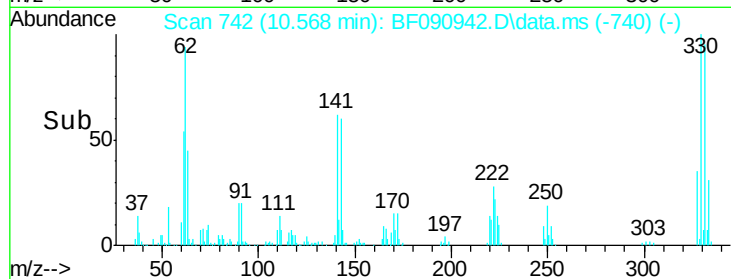
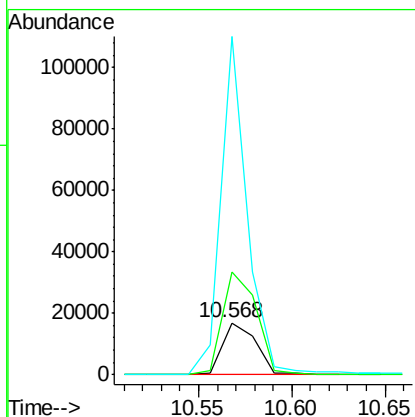
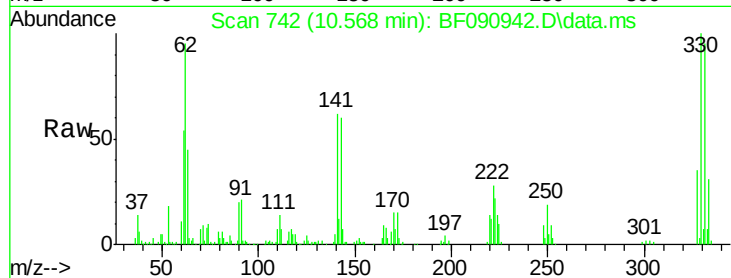




#66
 4-Bromophenyl-phenylether
 Concen: 3.89 ng
 RT: 10.568 min Scan# 74
 Delta R.T. -0.274 min
 Lab File: BF090942.D
 Acq: 31 Oct 2016 21:38

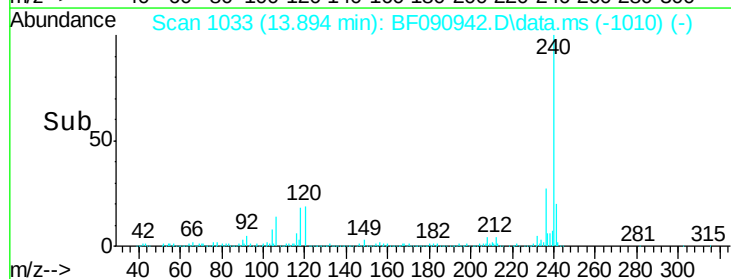
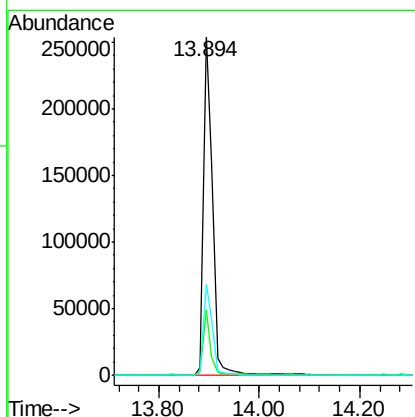
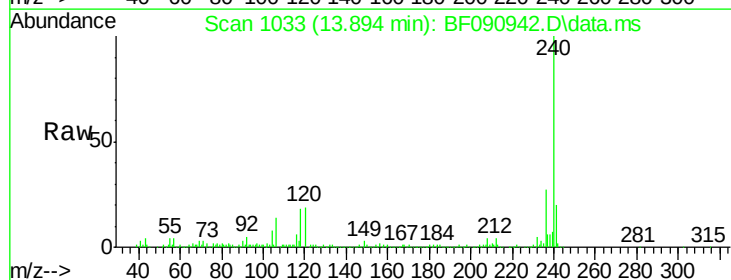
Instrument :
 BNA_F
 ClientSampleId :

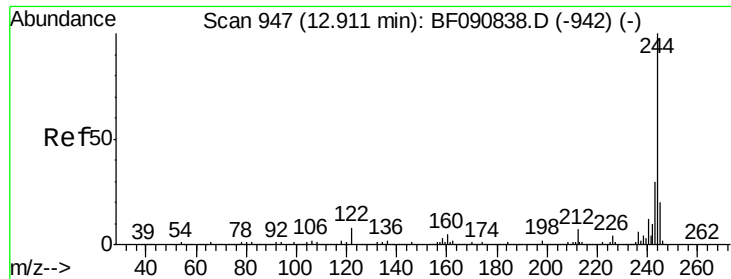
Tot Ion:248 Resp: 21120
 Ion Ratio Lower Upper
 248 100
 250 198.3 78.5 117.7#
 141 655.4 59.0 88.6#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.894 min Scan# 1033
 Delta R.T. -0.034 min
 Lab File: BF090942.D
 Acq: 31 Oct 2016 21:38

Tgt Ion:240 Resp: 314692
 Ion Ratio Lower Upper
 240 100
 120 19.4 16.2 24.2
 236 27.1 18.4 27.6





#78

Terphenyl-d14

Concen: 98.32 ng

RT: 12.854 min Scan# 94

Delta R.T. -0.023 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

Instrument :

BNA_F

ClientSampleId :

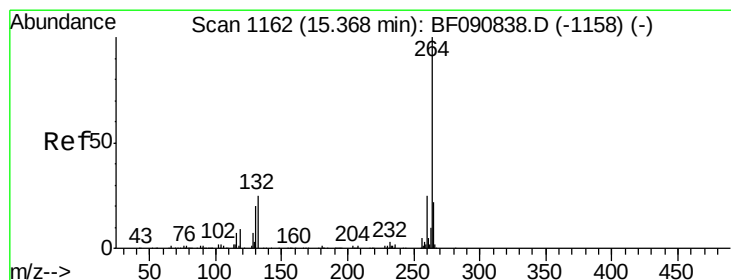
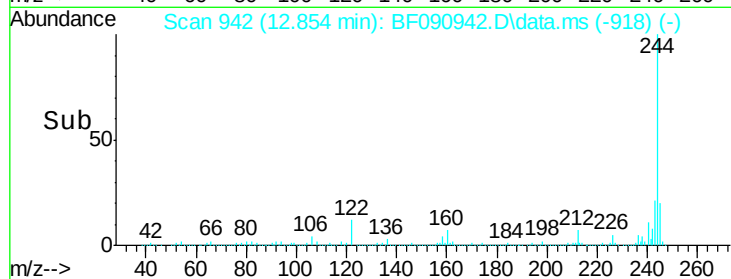
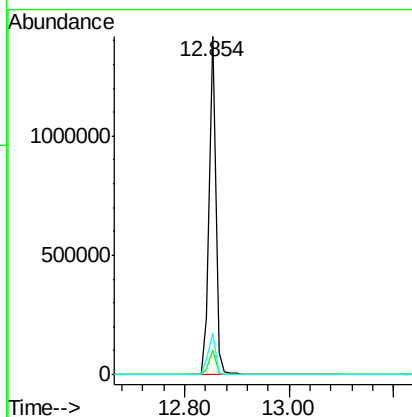
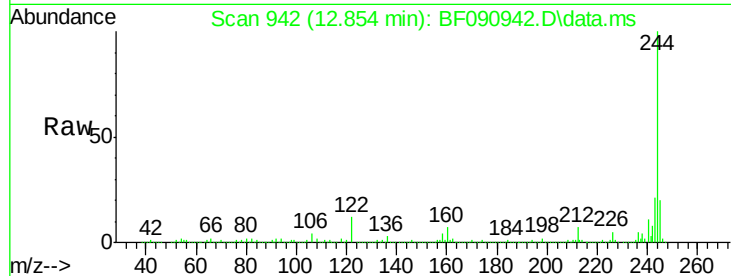
Tot Ion:244 Resp: 1228148

Ion Ratio Lower Upper

244 100

212 7.3 4.3 6.5#

122 12.1 17.4 26.2#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.299 min Scan# 1156

Delta R.T. -0.034 min

Lab File: BF090942.D

Acq: 31 Oct 2016 21:38

Tgt Ion:264 Resp: 306748

Ion Ratio Lower Upper

264 100

260 24.9 16.7 25.1

265 22.0 17.2 25.8

