

Data Path : Z:\HPCHEM1\BNA F\Data\BF112916\
 Data File : BF091331.D
 Acq On : 29 Nov 2016 17:13
 Operator : UM/SJ
 Sample : H5696-02
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 18:10:43 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

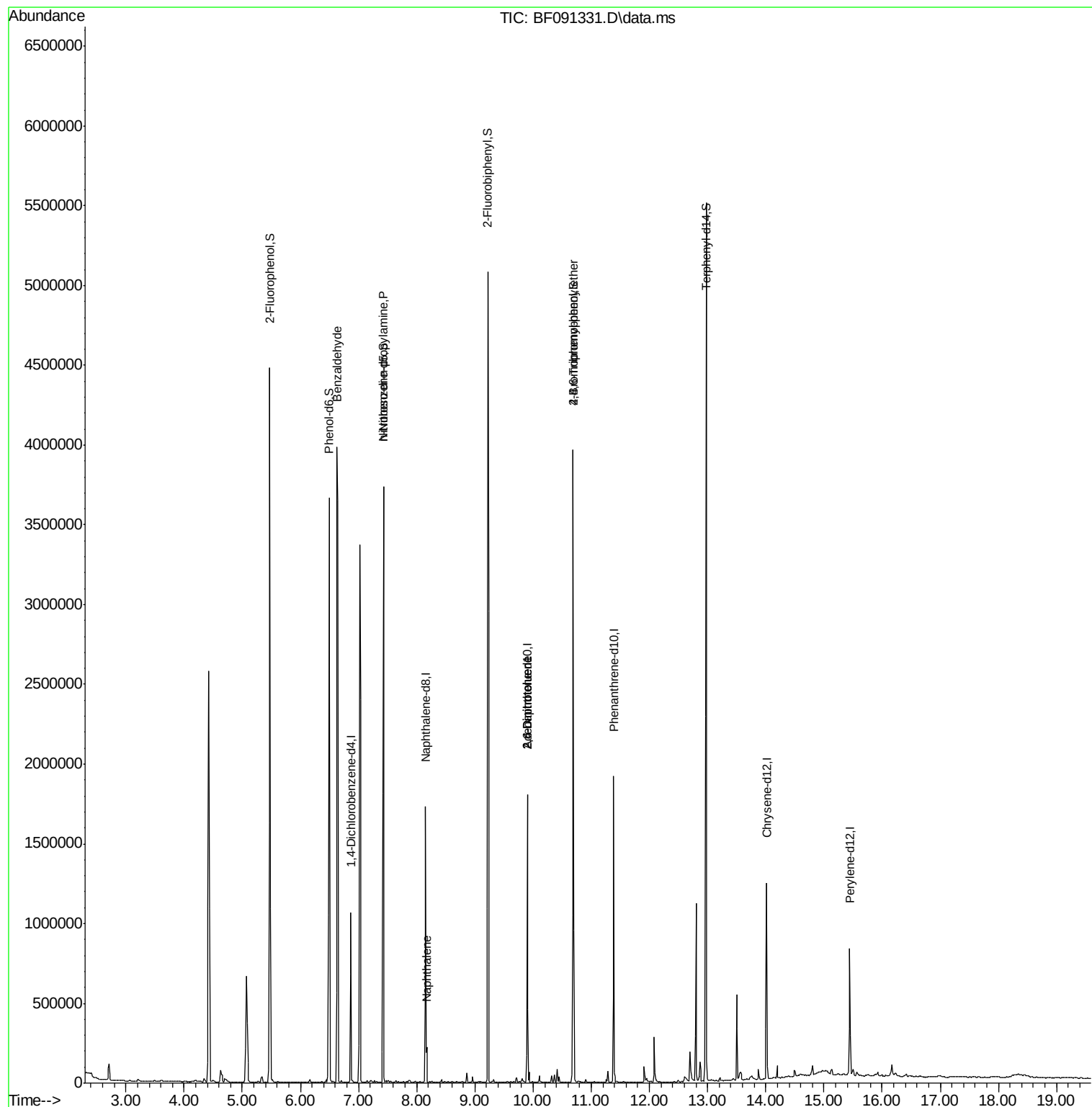
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.870	152	195472	20.00	ng	0.00
21) Naphthalene-d8	8.150	136	776222	20.00	ng	-0.02
38) Acenaphthene-d10	9.899	164	406405	20.00	ng	-0.02
63) Phenanthrene-d10	11.385	188	708493	20.00	ng	-0.02
75) Chrysene-d12	14.014	240	418262	20.00	ng	-0.03
86) Perylene-d12	15.442	264	360661	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.476	112	1280497	107.02	ng	0.00
7) Phenol-d6	6.493	99	1702309	115.57	ng	0.00
23) Nitrobenzene-d5	7.430	82	1265435	91.36	ng	-0.02
41) 2,4,6-Tribromophenol	10.688	330	522187	135.72	ng	-0.02
44) 2-Fluorobiphenyl	9.225	172	2161222	96.29	ng	-0.02
78) Terphenyl-d14	12.974	244	1861640	96.74	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.630	77	36893	3.89	ng	Qvalue 85
19) n-Nitroso-di-n-propyla...	7.430	70	173870	18.74	ng	# 72
31) Naphthalene	8.173	128	122915	3.33	ng	98
50) 2,6-Dinitrotoluene	9.899	165	51541	9.37	ng	# 17
56) 2,4-Dinitrotoluene	9.899	165	51544	7.22	ng	# 34
66) 4-Bromophenyl-phenylether	10.688	248	30777	4.04	ng	# 1

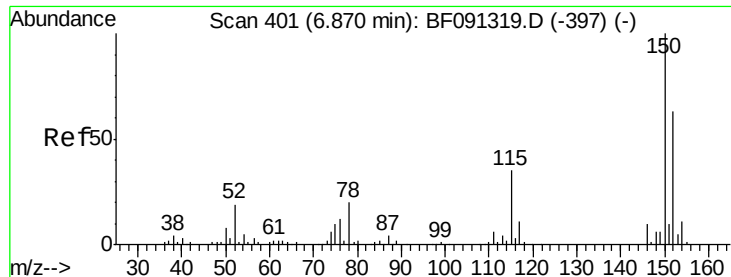
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.870 min Scan# 401

Delta R.T. -0.006 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

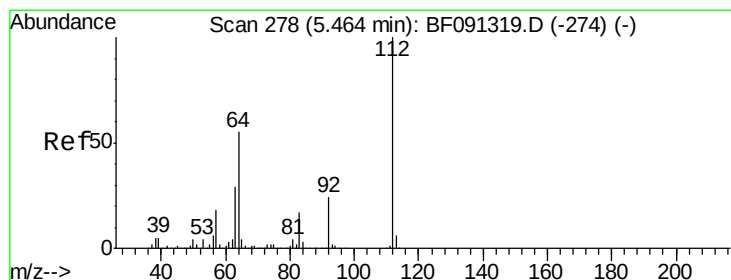
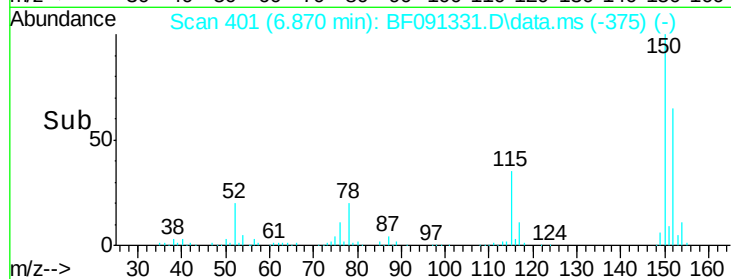
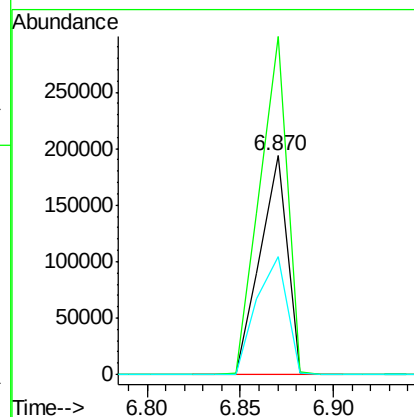
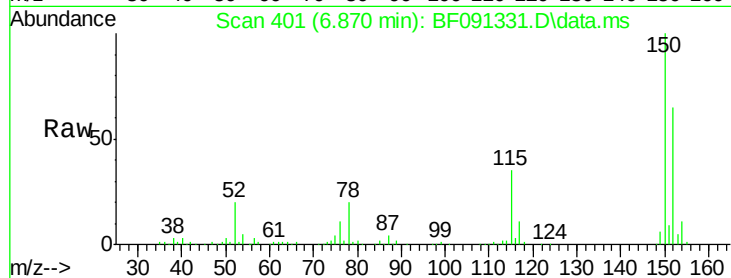
Tot Ion:152 Resp: 195472

Ion Ratio Lower Upper

152 100

150 154.6 122.5 183.7

115 53.7 51.8 77.8



#5

2-Fluorophenol

Concen: 107.02 ng

RT: 5.476 min Scan# 279

Delta R.T. 0.007 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

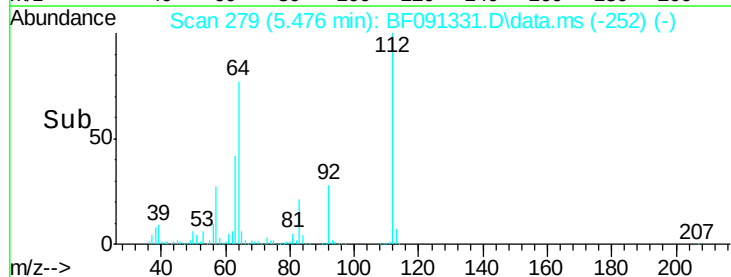
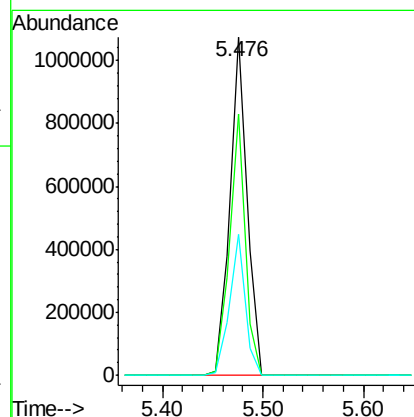
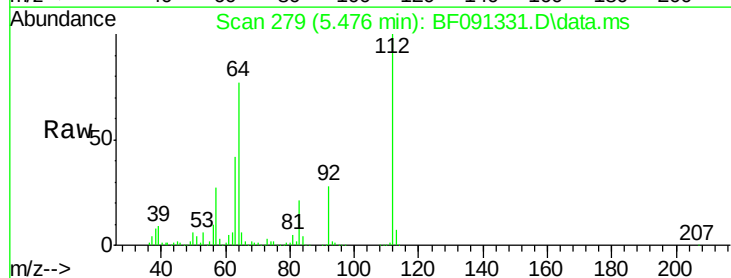
Tgt Ion:112 Resp: 1280497

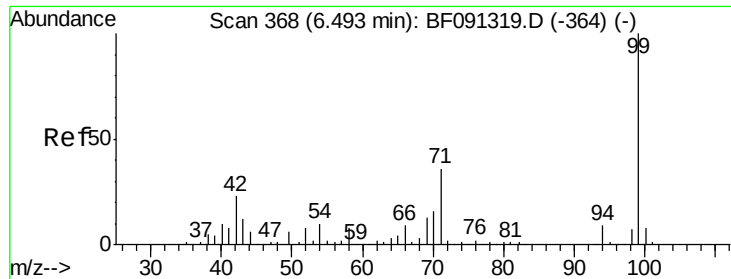
Ion Ratio Lower Upper

112 100

64 77.1 61.5 92.3

63 41.6 33.3 49.9





#7

Phenol-d6

Concen: 115.57 ng

RT: 6.493 min Scan# 36

Delta R.T. -0.006 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

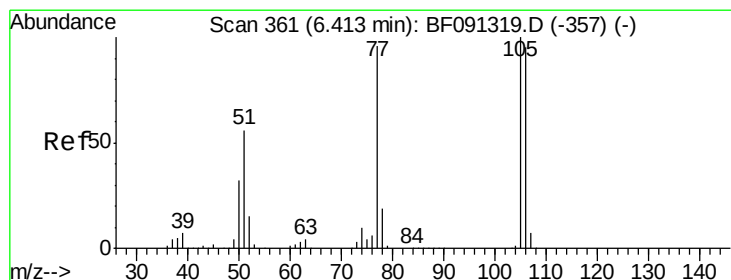
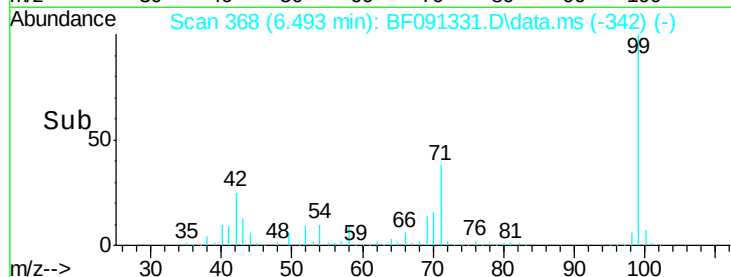
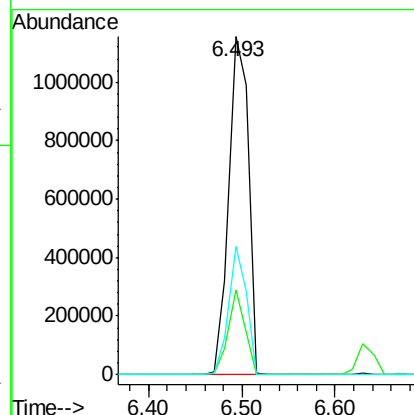
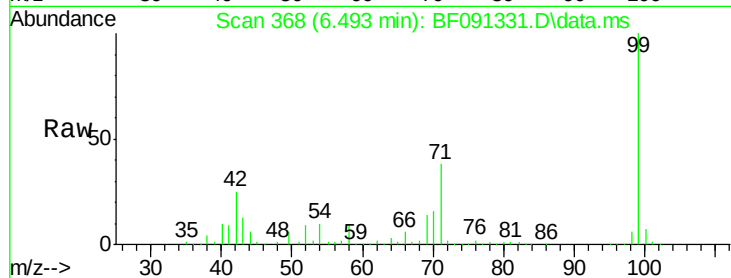
Tot Ion: 99 Resp: 1702309

Ion Ratio Lower Upper

99 100

42 25.1 20.6 31.0

71 38.0 29.9 44.9



#9

Benzaldehyde

Concen: 3.89 ng

RT: 6.630 min Scan# 380

Delta R.T. 0.212 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

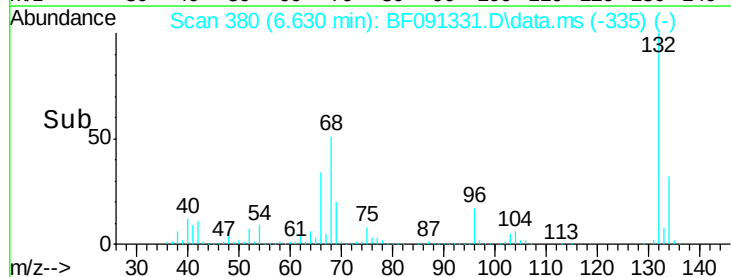
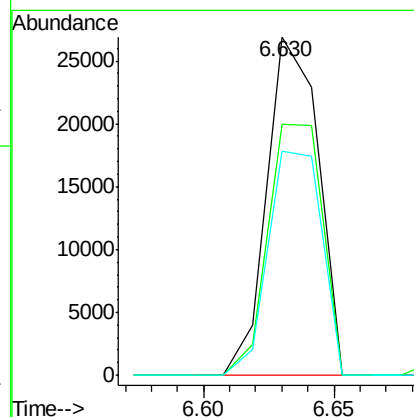
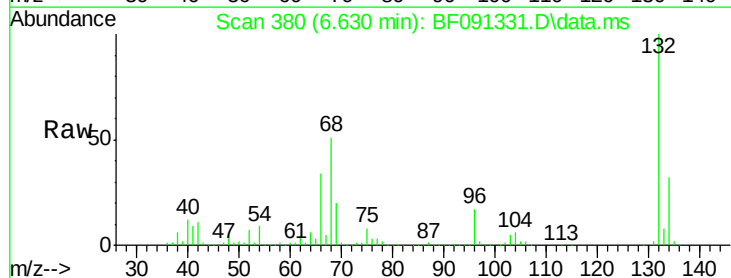
Tgt Ion: 77 Resp: 36893

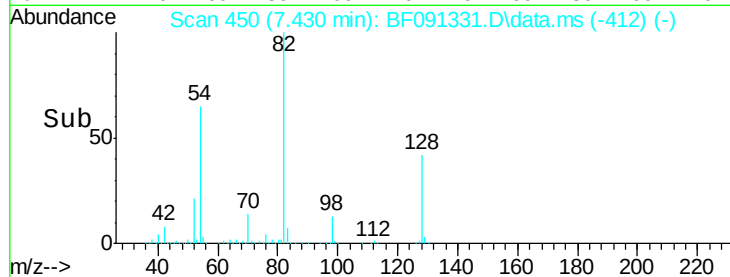
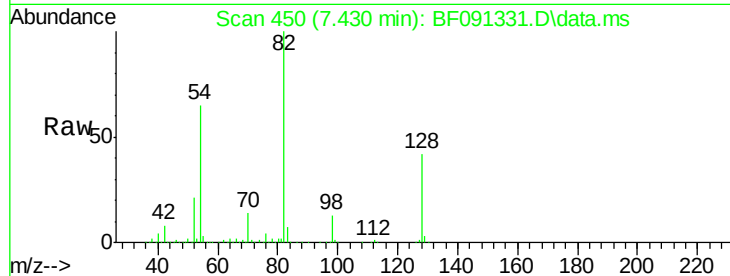
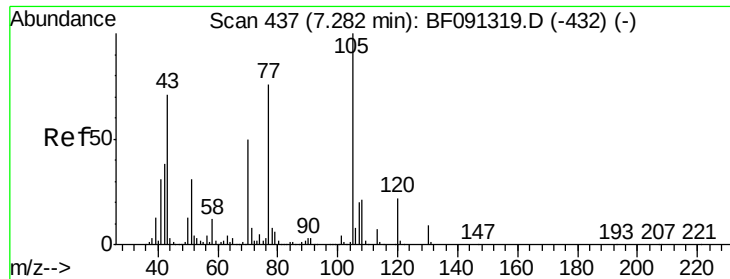
Ion Ratio Lower Upper

77 100

105 74.4 66.4 106.4

106 66.2 60.9 100.9

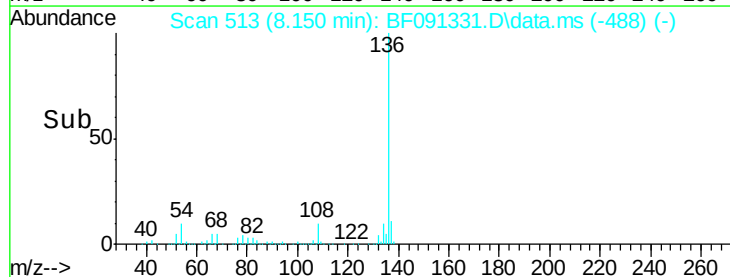
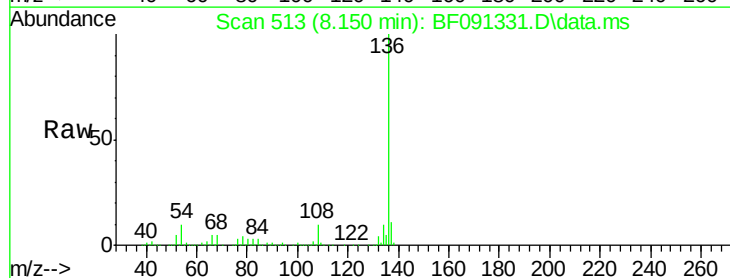
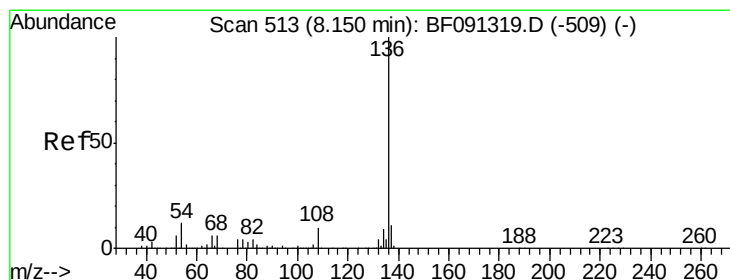
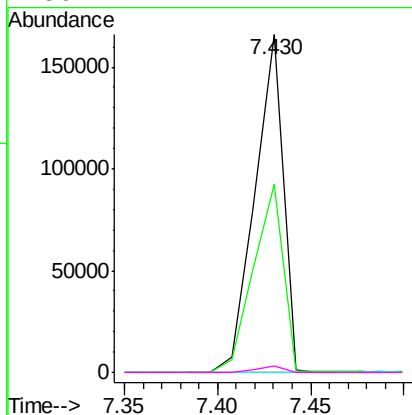




#19
n-Nitroso-di-n-propylamine
Concen: 18.74 ng
RT: 7.430 min Scan# 45
Delta R.T. 0.132 min
Lab File: BF091331.D
Acq: 29 Nov 2016 17:13

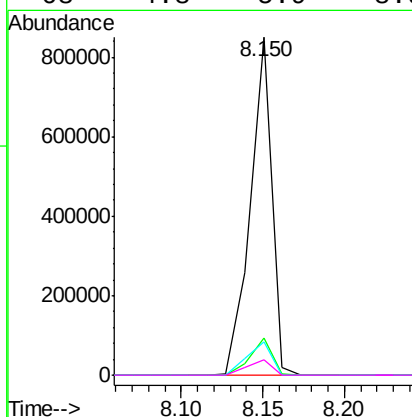
Instrument :
BNA_F
ClientSampleId :

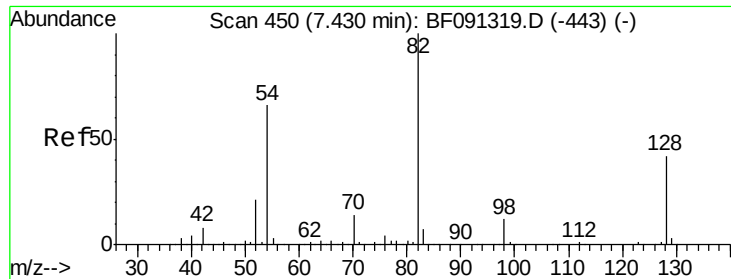
Tot Ion: 70 Resp: 173870
Ion Ratio Lower Upper
70 100
42 55.7 64.8 97.2#
101 0.0 6.2 9.4#
130 2.1 11.7 17.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.150 min Scan# 513
Delta R.T. -0.017 min
Lab File: BF091331.D
Acq: 29 Nov 2016 17:13

Tgt Ion: 136 Resp: 776222
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 9.7 9.1 13.7
68 4.8 5.9 8.9#

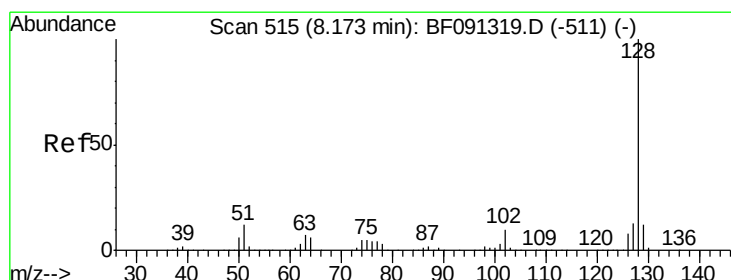
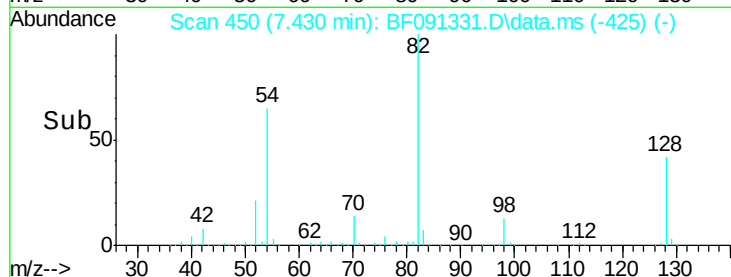
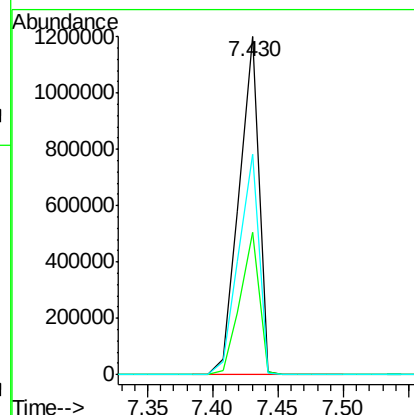
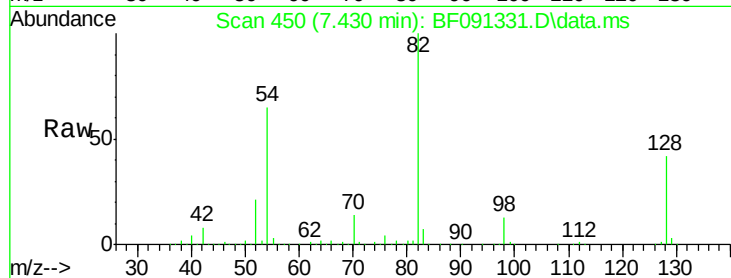




#23
Nitrobenzene-d5
Concen: 91.36 ng
RT: 7.430 min Scan# 45
Delta R.T. -0.017 min
Lab File: BF091331.D
Acq: 29 Nov 2016 17:13

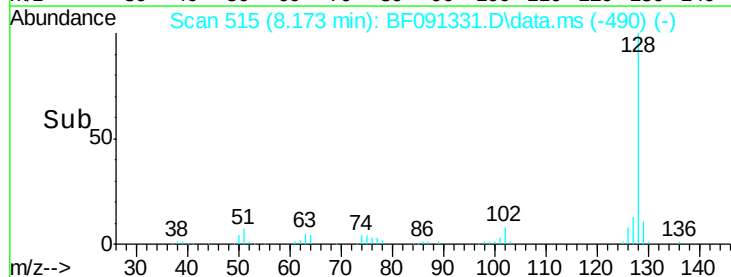
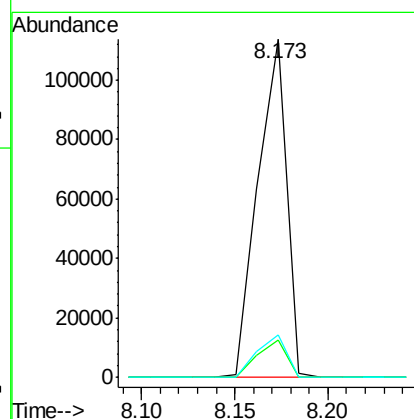
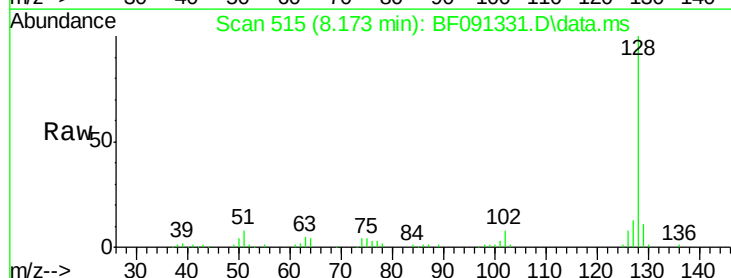
Instrument :
BNA_F
ClientSampleId :

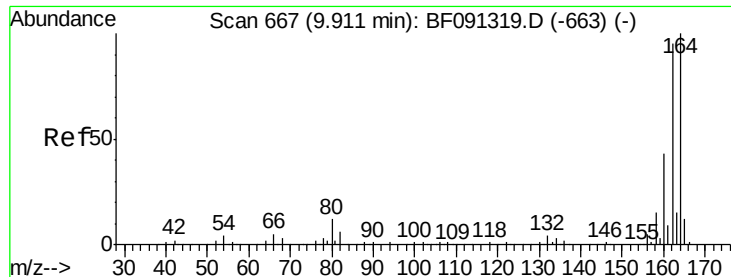
Tot Ion: 82 Resp: 1265435
Ion Ratio Lower Upper
82 100
128 42.2 31.8 47.6
54 65.2 49.1 73.7



#31
Naphthalene
Concen: 3.33 ng
RT: 8.173 min Scan# 515
Delta R.T. -0.017 min
Lab File: BF091331.D
Acq: 29 Nov 2016 17:13

Tgt Ion: 128 Resp: 122915
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 12.7 11.0 16.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.899 min Scan# 66

Delta R.T. -0.017 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

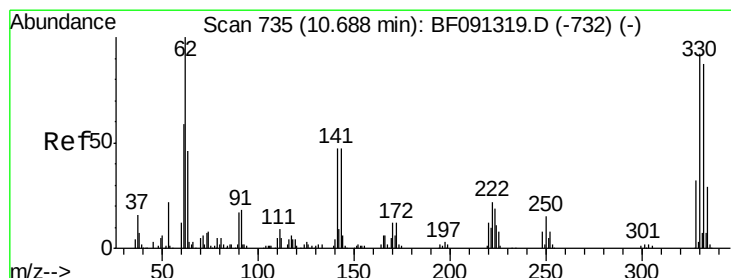
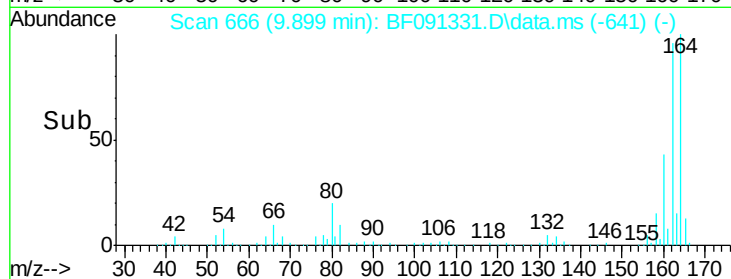
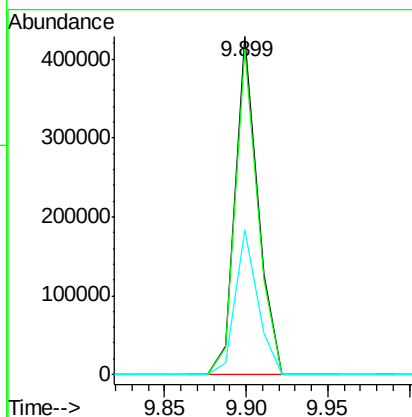
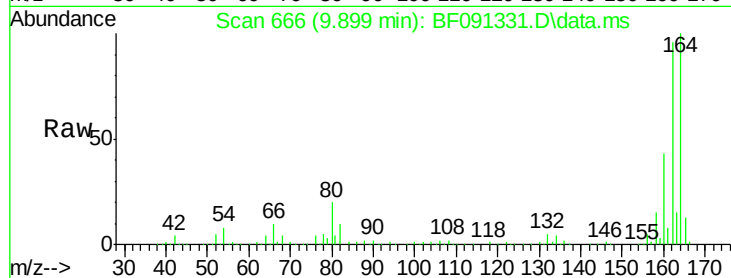
Tot Ion:164 Resp: 406405

Ion Ratio Lower Upper

164 100

162 96.4 82.6 124.0

160 43.0 36.7 55.1



#41

2,4,6-Tribromophenol

Concen: 135.72 ng

RT: 10.688 min Scan# 735

Delta R.T. -0.017 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

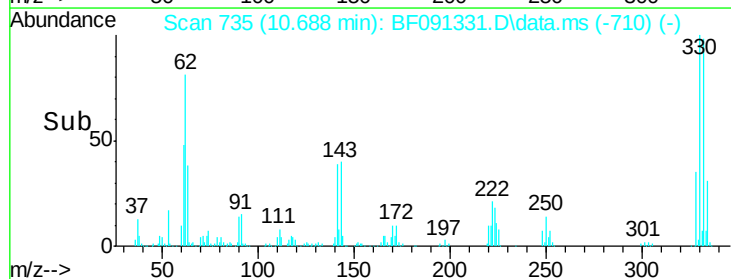
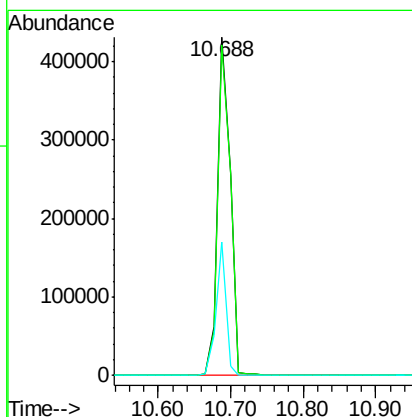
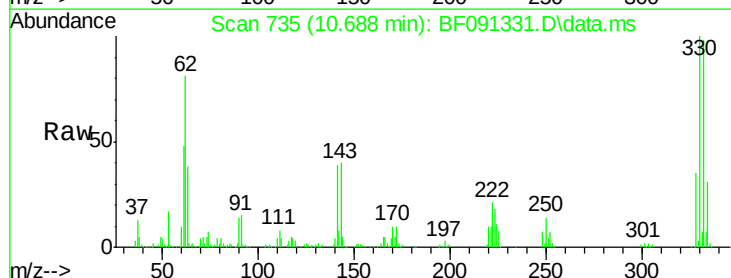
Tgt Ion:330 Resp: 522187

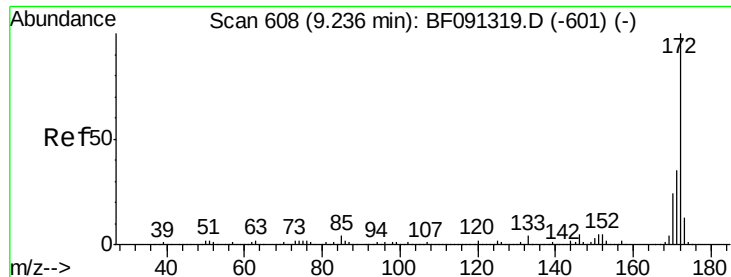
Ion Ratio Lower Upper

330 100

332 98.2 76.2 114.4

141 30.8 33.6 50.4#

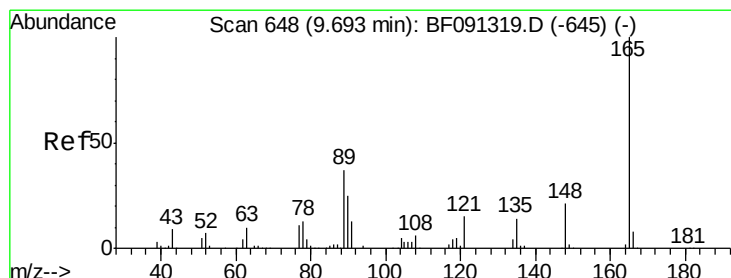
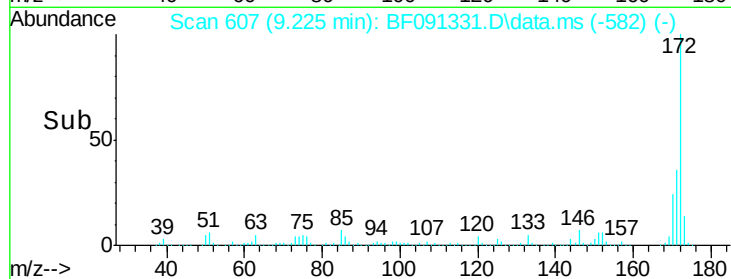
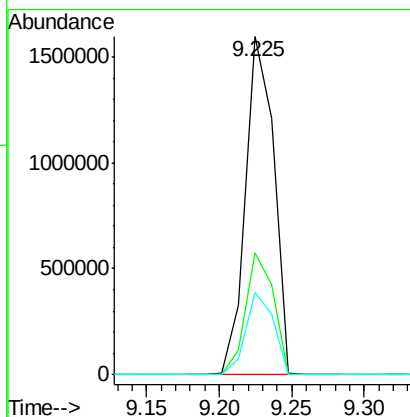
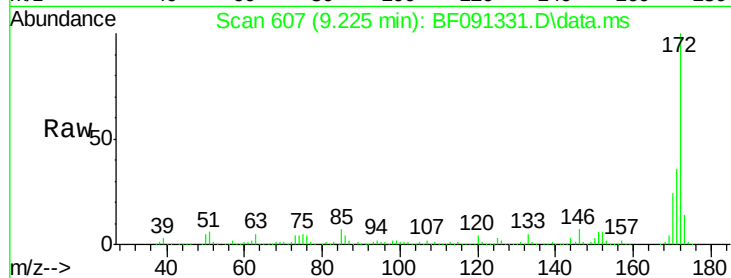




#44
 2-Fluorobiphenyl
 Concen: 96.29 ng
 RT: 9.225 min Scan# 607
 Delta R.T. -0.016 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

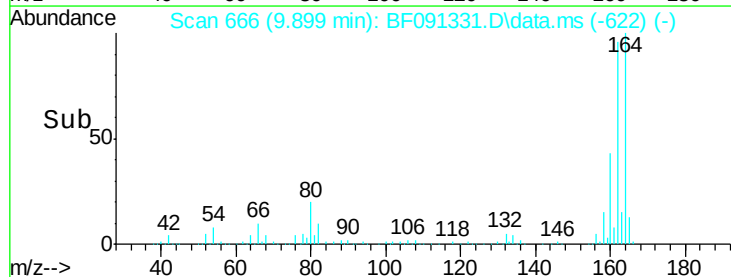
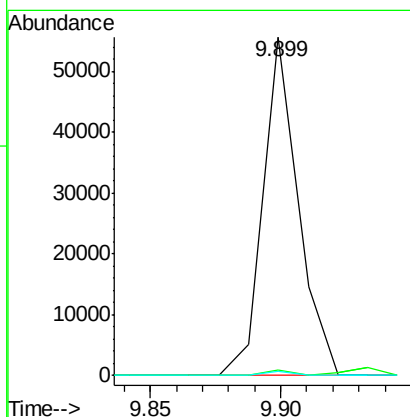
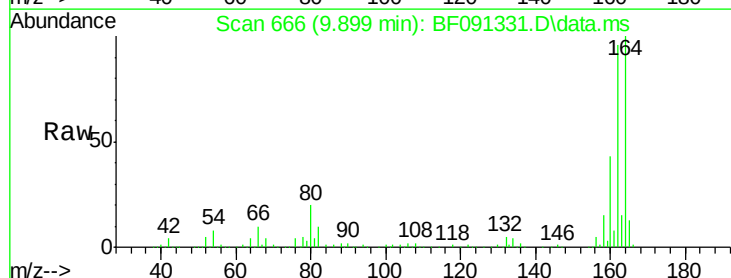
Instrument :
 BNA_F
 ClientSampleId :

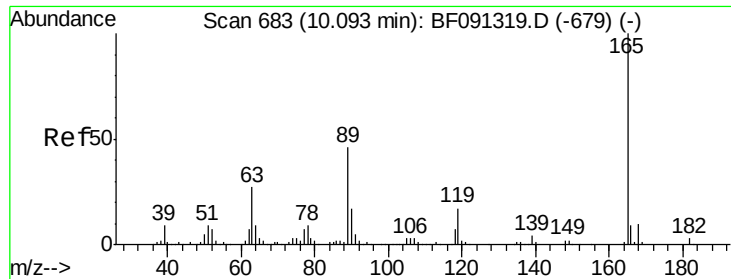
Tot Ion:172 Resp: 2161222
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.2 19.7 29.5



#50
 2,6-Dinitrotoluene
 Concen: 9.37 ng
 RT: 9.899 min Scan# 666
 Delta R.T. 0.200 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

Tgt Ion:165 Resp: 51541
 Ion Ratio Lower Upper
 165 100
 63 1.5 59.4 89.0#
 89 1.3 50.8 76.2#

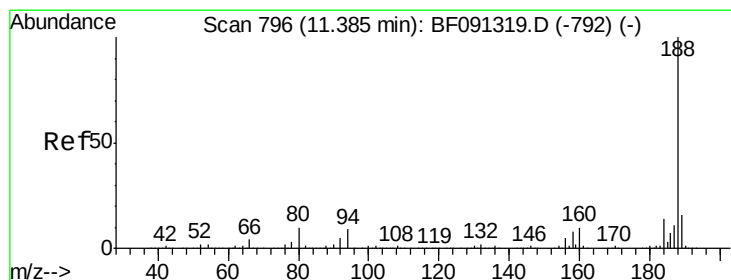
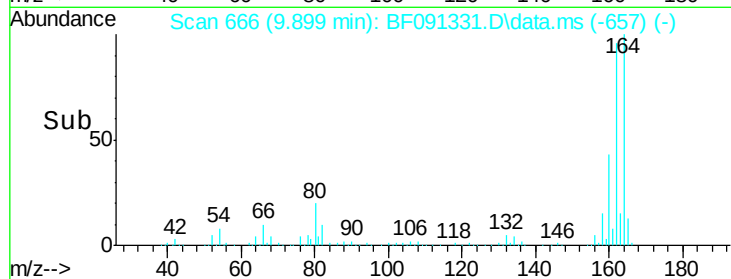
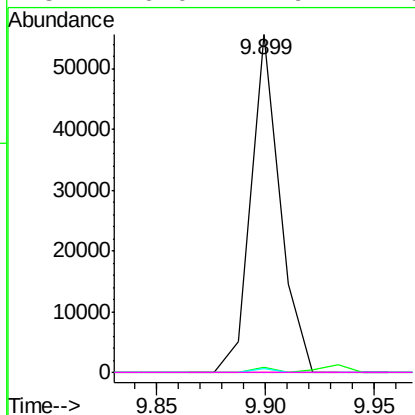
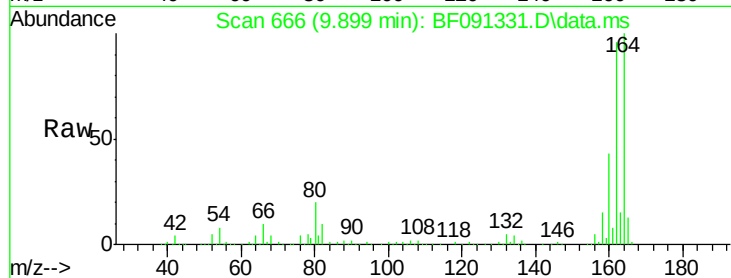




#56
 2,4-Dinitrotoluene
 Concen: 7.22 ng
 RT: 9.899 min Scan# 66
 Delta R.T. -0.200 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

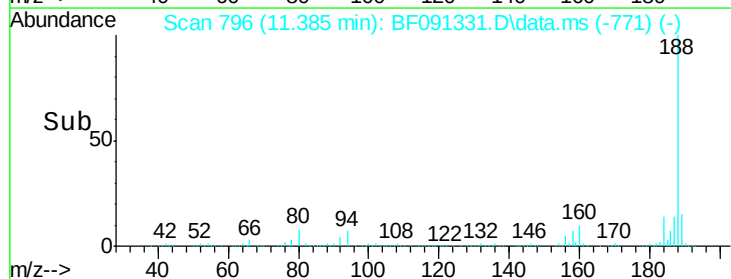
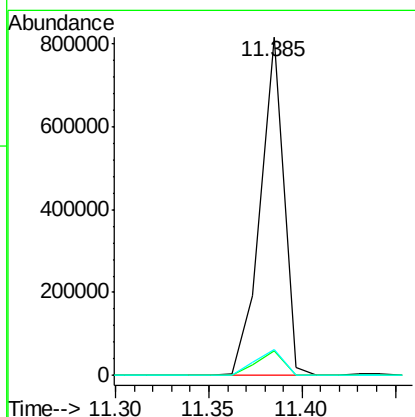
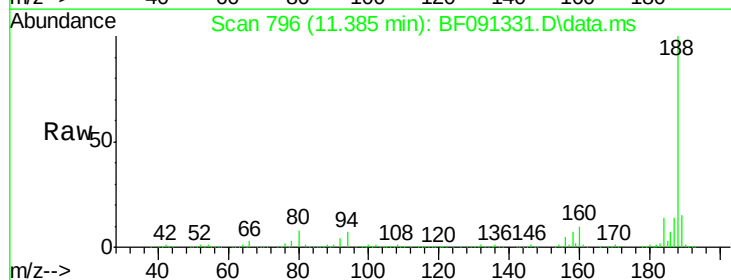
Instrument :
 BNA_F
 ClientSampleId :

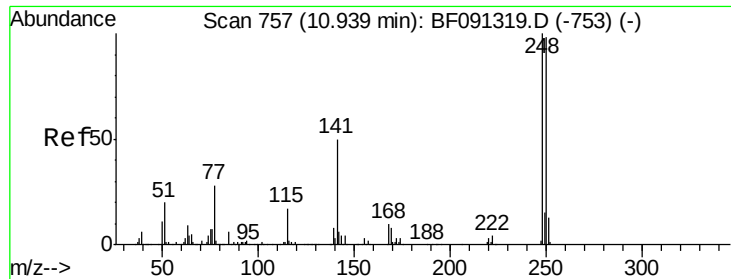
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	29.0	43.4#
89	1.3	43.1	64.7#
182	0.0	1.9	2.9#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.385 min Scan# 796
 Delta R.T. -0.017 min
 Lab File: BF091331.D
 Acq: 29 Nov 2016 17:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	9.2	13.8#
80	7.5	10.5	15.7#





#66

4-Bromophenyl-phenylether

Concen: 4.04 ng

RT: 10.688 min Scan# 73

Delta R.T. -0.268 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Instrument :

BNA_F

ClientSampleId :

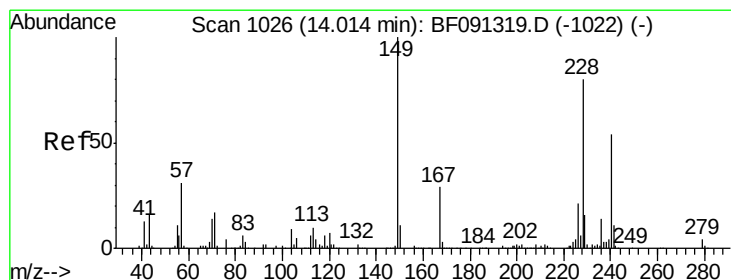
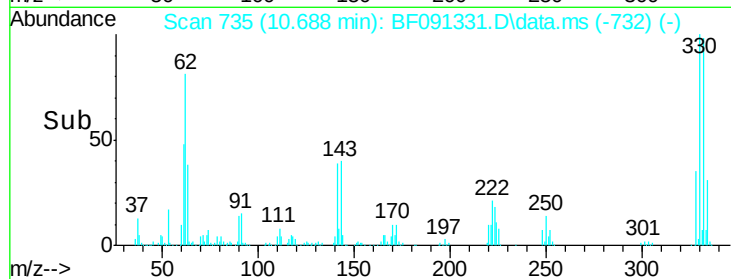
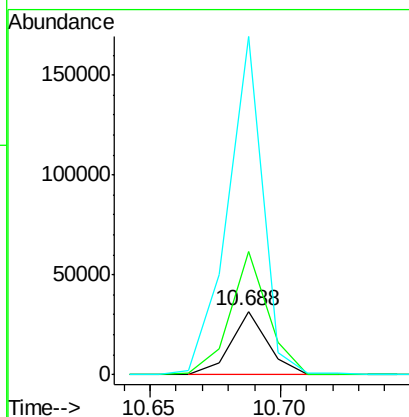
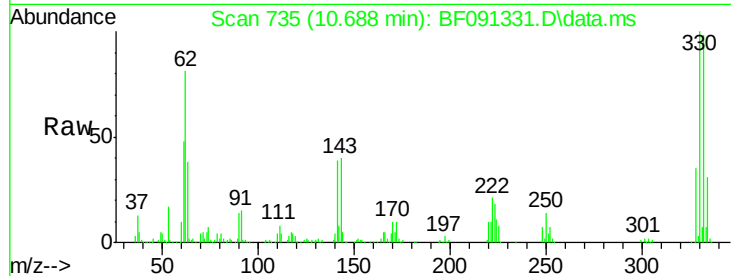
Tot Ion:248 Resp: 30777

Ion Ratio Lower Upper

248 100

250 196.5 78.2 117.4#

141 537.9 71.9 107.9#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.014 min Scan# 1026

Delta R.T. -0.028 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

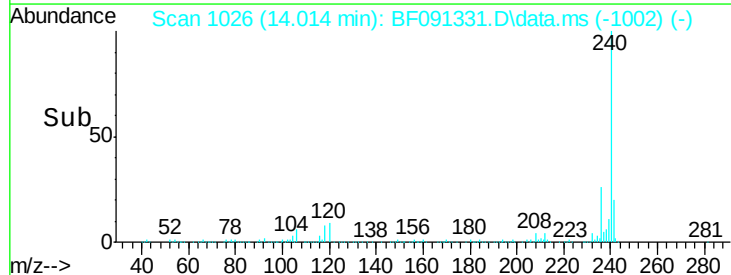
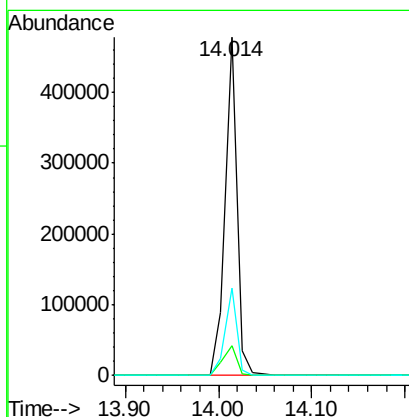
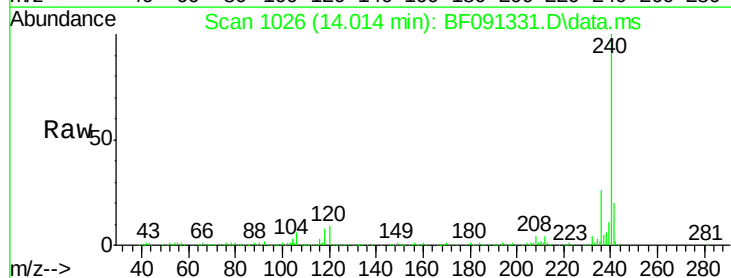
Tgt Ion:240 Resp: 418262

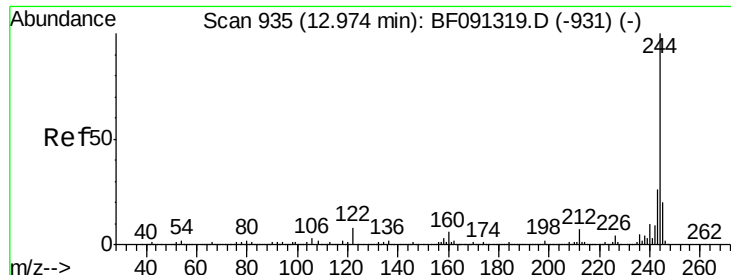
Ion Ratio Lower Upper

240 100

120 8.9 12.1 18.1#

236 25.7 21.0 31.6





#78

Terphenyl-d14

Concen: 96.74 ng

RT: 12.974 min Scan# 931

Delta R.T. -0.017 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

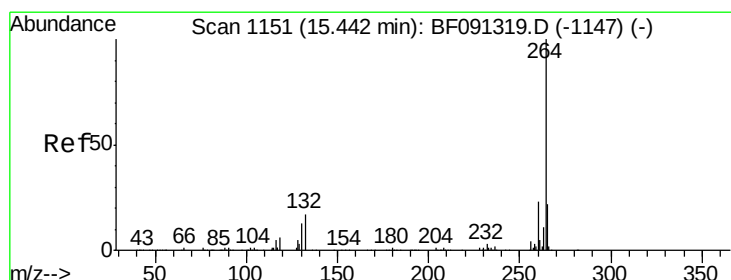
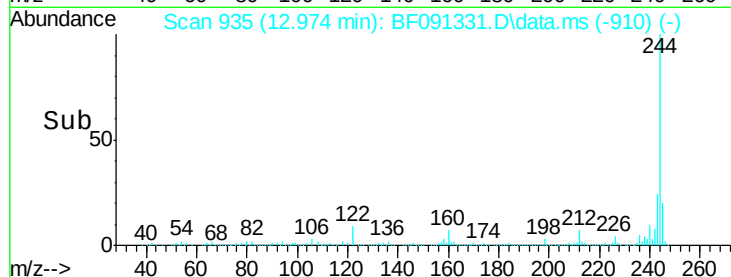
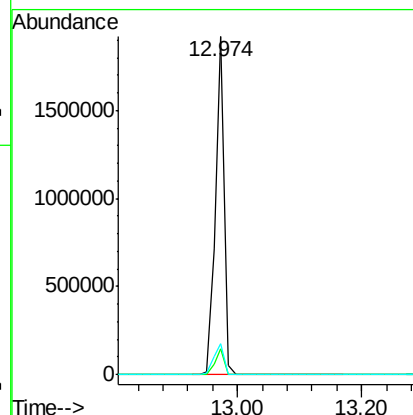
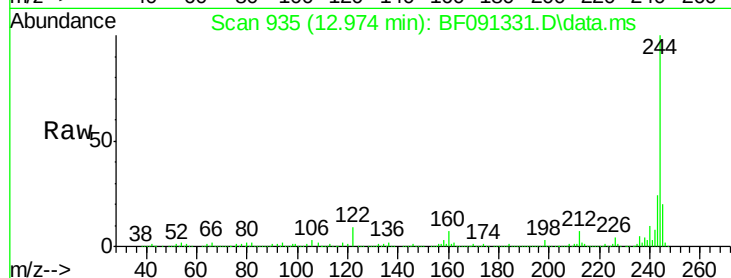
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1861640

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.5	9.7
122	9.1	9.5	14.3



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.442 min Scan# 1151

Delta R.T. -0.028 min

Lab File: BF091331.D

Acq: 29 Nov 2016 17:13

Tgt Ion:264 Resp: 360661

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.5	17.0	25.6

