

Data Path : Z:\HPCHEM1\BNA F\Data\BF102516\Not Reviewed Data\
 Data File : BF090829.D
 Acq On : 26 Oct 2016 1:11
 Operator : UM/SJ
 Sample : H5396-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P1-S1

Quant Time: Oct 26 08:46:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:36:31 2016
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

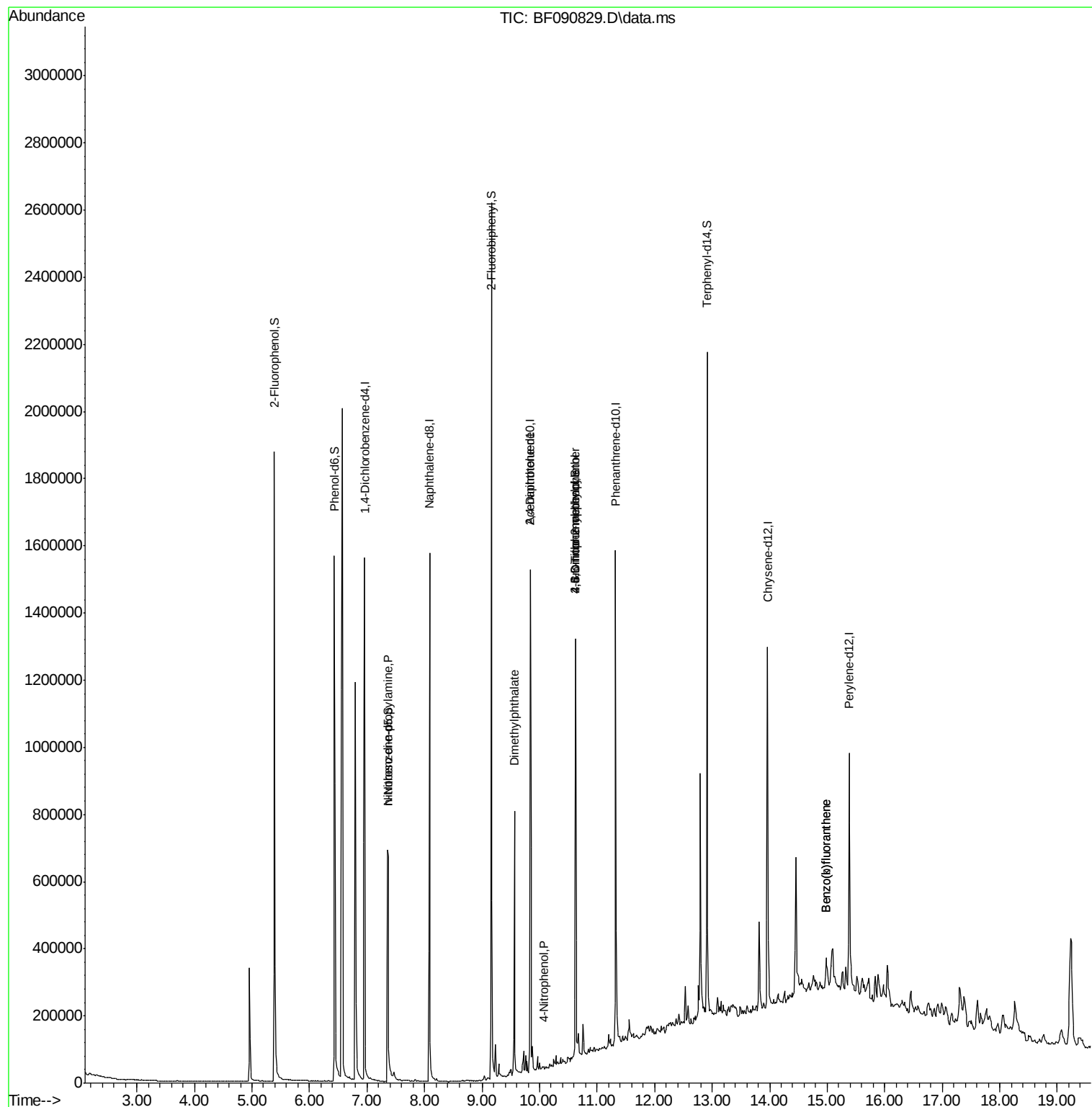
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.956	152	313069	20.00	ng	0.09
21) Naphthalene-d8	8.087	136	795656	20.00	ng	-0.06
38) Acenaphthene-d10	9.836	164	375279	20.00	ng	-0.07
63) Phenanthrene-d10	11.322	188	576645	20.00	ng	-0.07
75) Chrysene-d12	13.962	240	387570	20.00	ng	-0.06
86) Perylene-d12	15.379	264	372860	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.390	112	611834	31.52	ng	-0.07
7) Phenol-d6	6.430	99	815735	31.02	ng	-0.07
23) Nitrobenzene-d5	7.356	82	442191	30.48	ng	-0.07
41) 2,4,6-Tribromophenol	10.625	330	174855	58.87	ng	-0.07
44) 2-Fluorobiphenyl	9.162	172	837928	34.66	ng	-0.07
78) Terphenyl-d14	12.911	244	594640	35.16	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.356	70	57984	2.96	ng	Qvalue # 52
49) Dimethylphthalate	9.562	163	332417	14.10	ng	# 97
55) 4-Nitrophenol	10.076	139	207	5.99	ng	# 1
56) 2,4-Dinitrotoluene	9.836	165	50056	8.08	ng	# 33
64) 4,6-Dinitro-2-methylph...	10.625	198	283	4.25	ng	# 1
66) 4-Bromophenyl-phenylether	10.625	248	11204	2.00	ng	# 1
87) Benzo(b)fluoranthene	14.979	252	53022	2.31	ng	# 84
88) Benzo(k)fluoranthene	14.979	252	53022	2.30	ng	# 84

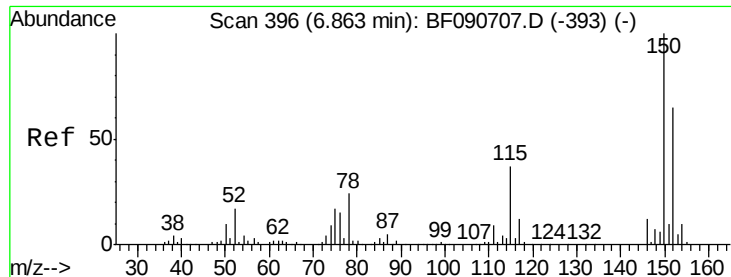
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.956 min Scan# 42

Delta R.T. 0.093 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

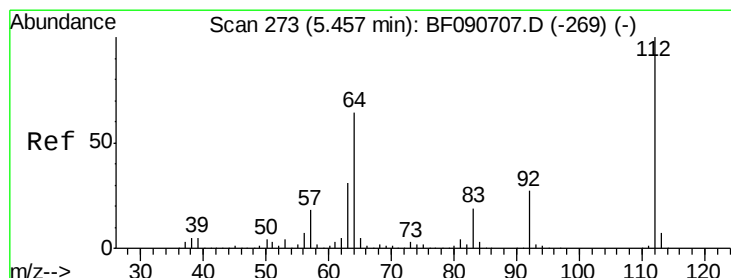
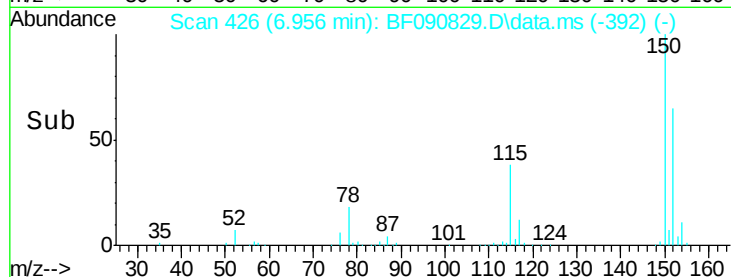
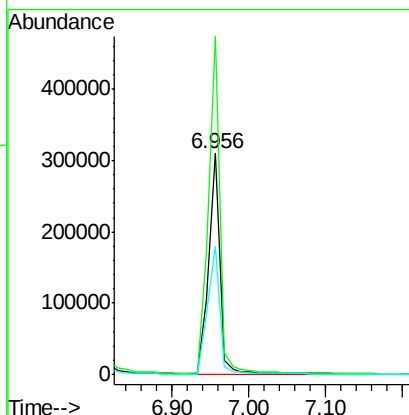
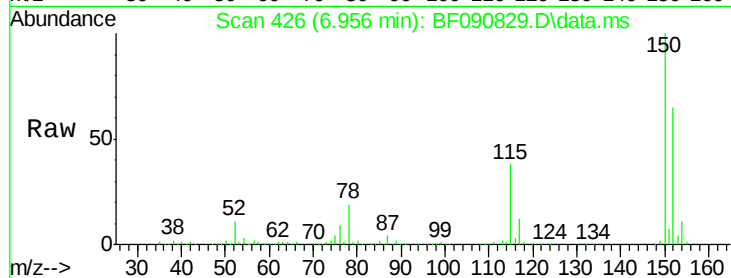
Tot Ion:152 Resp: 313069

Ion Ratio Lower Upper

152 100

150 152.9 124.7 187.1

115 58.0 39.0 58.4



#5

2-Fluorophenol

Concen: 31.52 ng

RT: 5.390 min Scan# 289

Delta R.T. -0.067 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

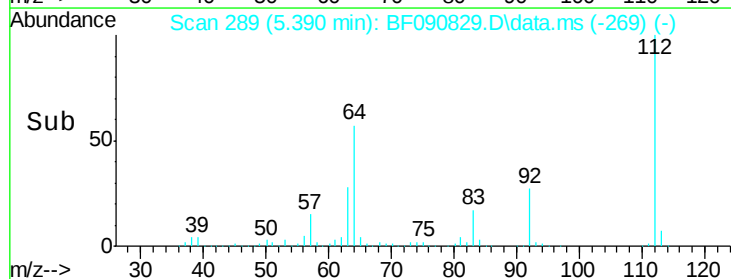
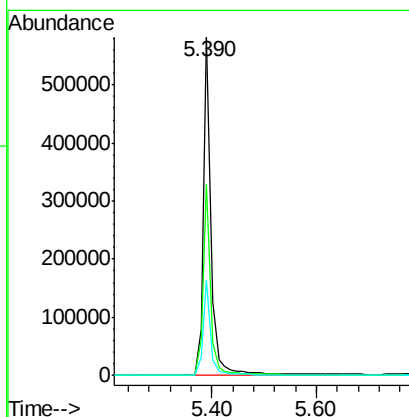
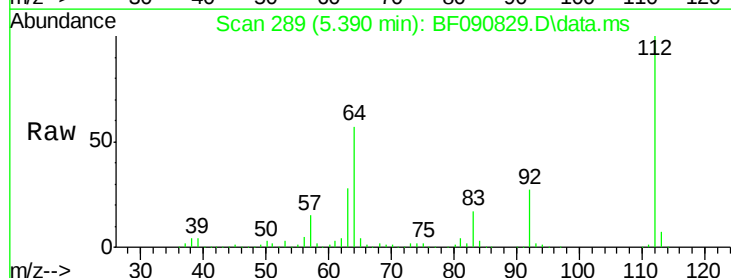
Tgt Ion:112 Resp: 611834

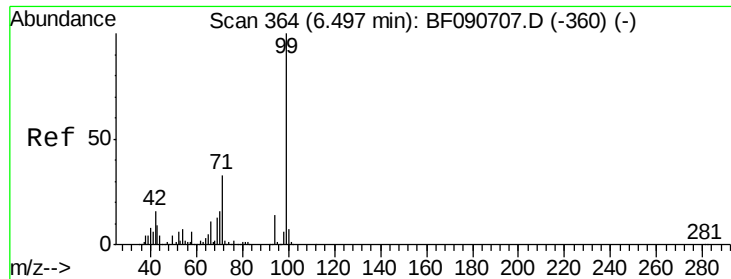
Ion Ratio Lower Upper

112 100

64 56.5 39.7 59.5

63 28.0 17.4 26.0#





#7

Phenol-d6

Concen: 31.02 ng

RT: 6.430 min Scan# 38

Delta R.T. -0.067 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

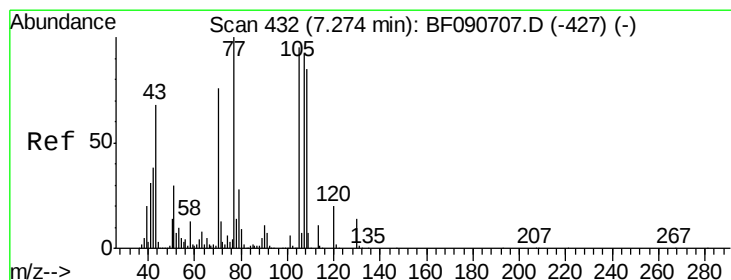
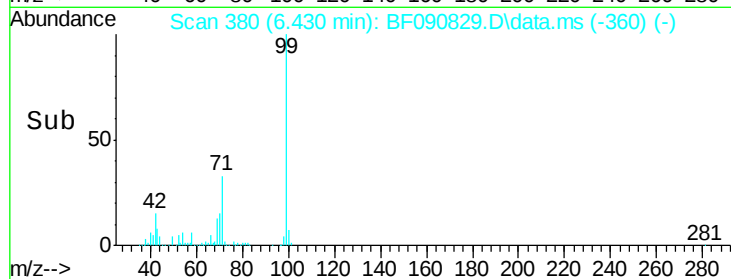
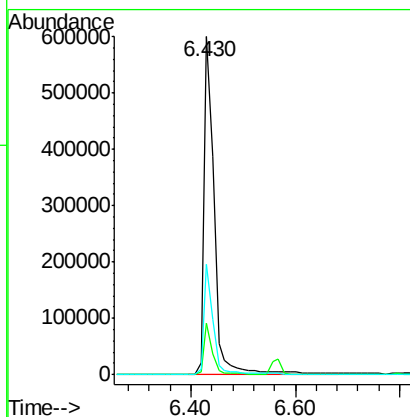
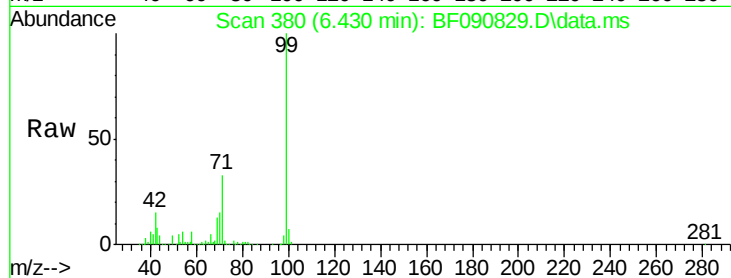
Tot Ion: 99 Resp: 815735

Ion Ratio Lower Upper

99 100

42 15.3 13.7 20.5

71 32.8 14.2 21.2#



#19

n-Nitroso-di-n-propylamine

Concen: 2.96 ng

RT: 7.356 min Scan# 461

Delta R.T. 0.082 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Tgt Ion: 70 Resp: 57984

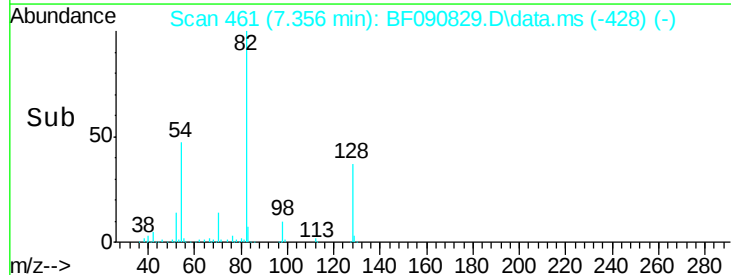
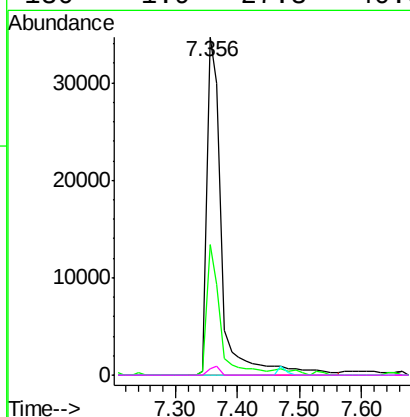
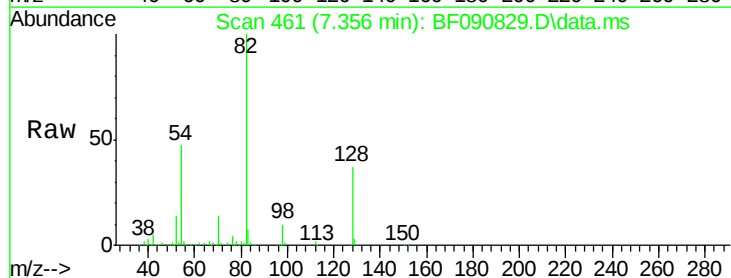
Ion Ratio Lower Upper

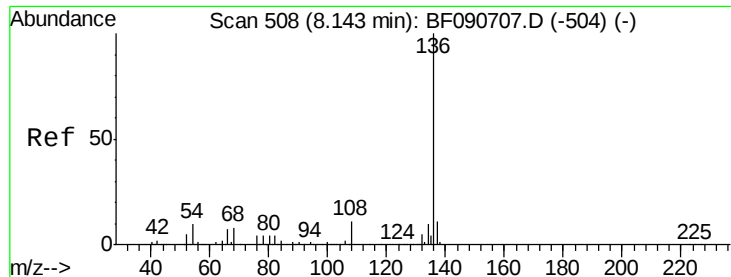
70 100

42 38.7 63.8 95.6#

101 0.0 9.2 13.8#

130 1.9 27.3 40.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.087 min Scan# 52

Delta R.T. -0.056 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

Tot Ion:136 Resp: 795656

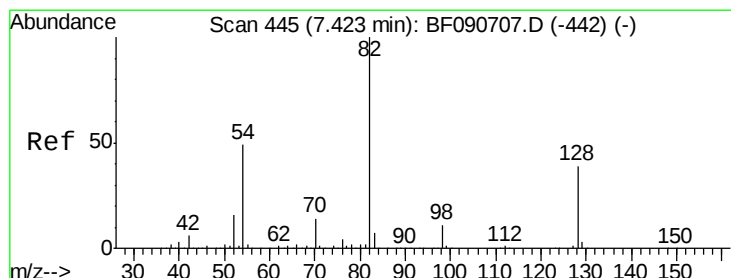
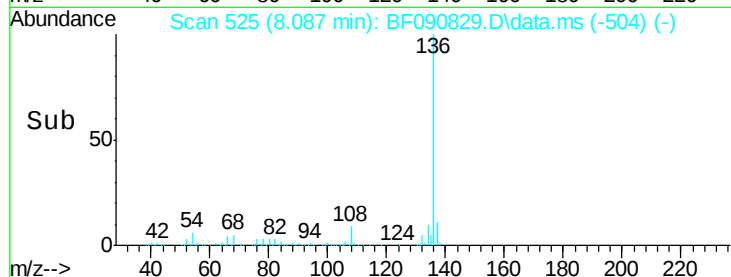
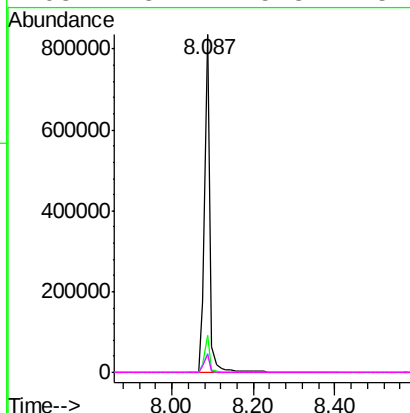
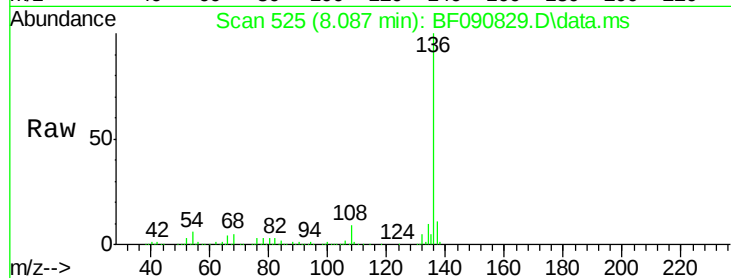
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 5.7 8.2 12.2#

68 5.4 5.8 8.6#



#23

Nitrobenzene-d5

Concen: 30.48 ng

RT: 7.356 min Scan# 461

Delta R.T. -0.067 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

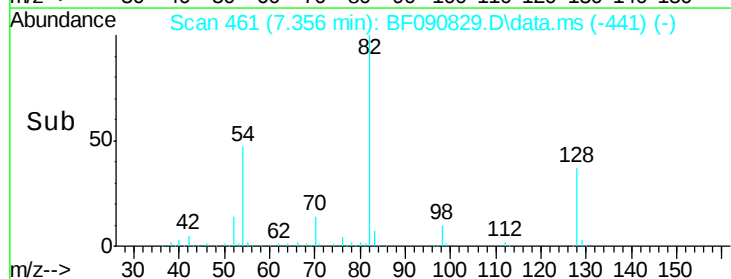
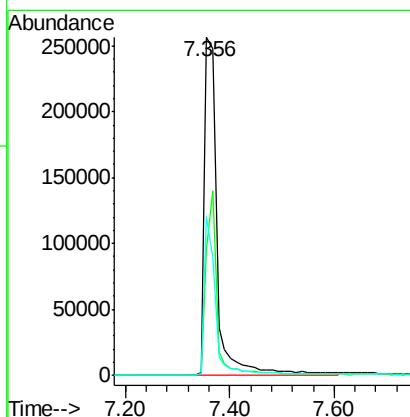
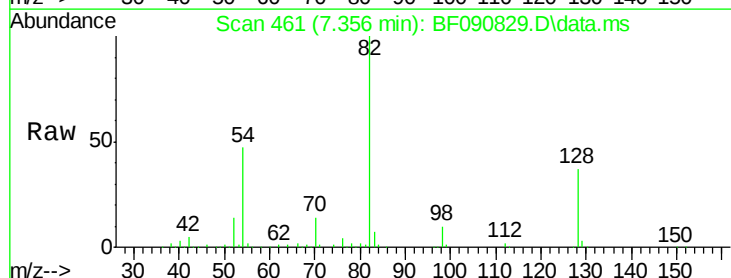
Tgt Ion: 82 Resp: 442191

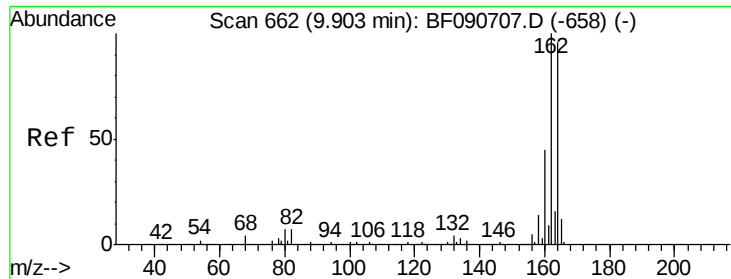
Ion Ratio Lower Upper

82 100

128 37.3 51.0 76.6#

54 47.1 47.5 71.3#

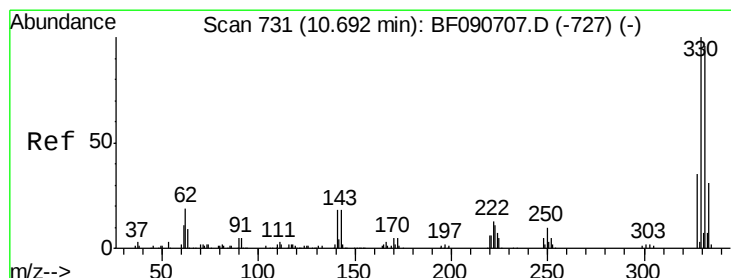
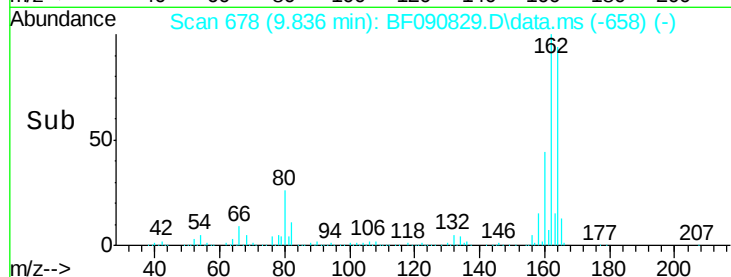
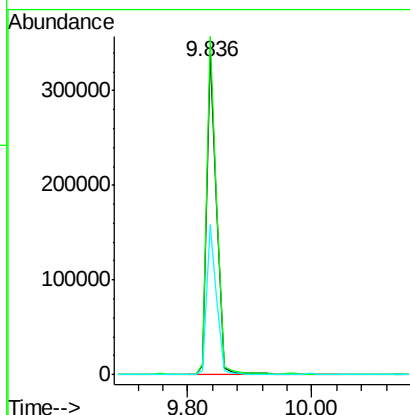
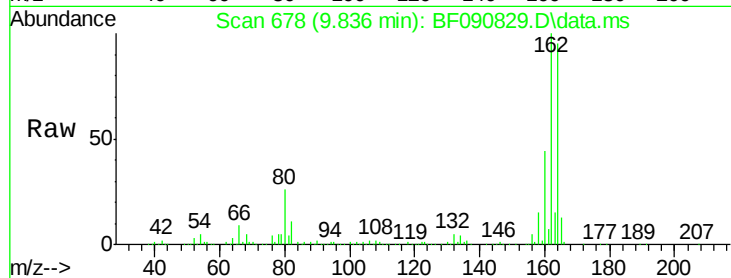




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.836 min Scan# 67
 Delta R.T. -0.067 min
 Lab File: BF090829.D
 Acq: 26 Oct 2016 1:11

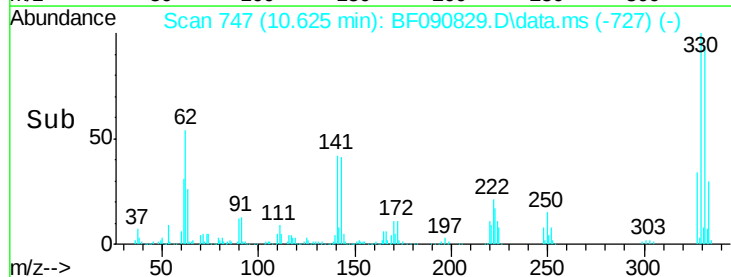
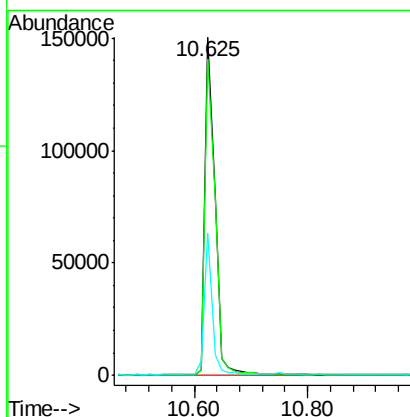
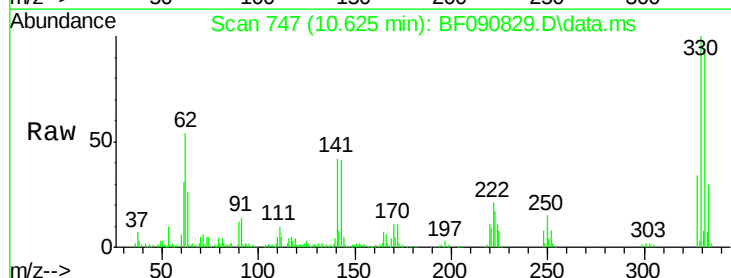
Instrument :
 BNA_F
 ClientSampleId :
 P1-S1

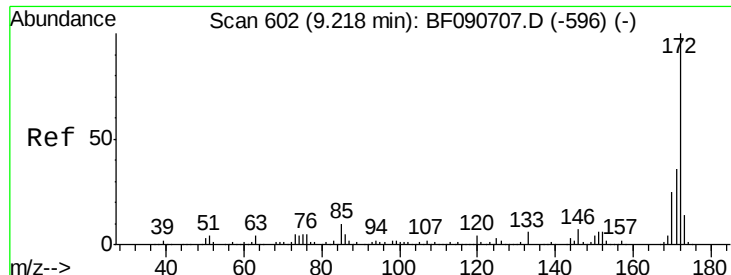
Tot Ion	Ratio	Lower	Upper
164	100		
162	105.8	75.2	112.8
160	47.0	31.5	47.3



#41
 2,4,6-Tribromophenol
 Concen: 58.87 ng
 RT: 10.625 min Scan# 747
 Delta R.T. -0.066 min
 Lab File: BF090829.D
 Acq: 26 Oct 2016 1:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	114.8
141	32.6	29.7	44.5

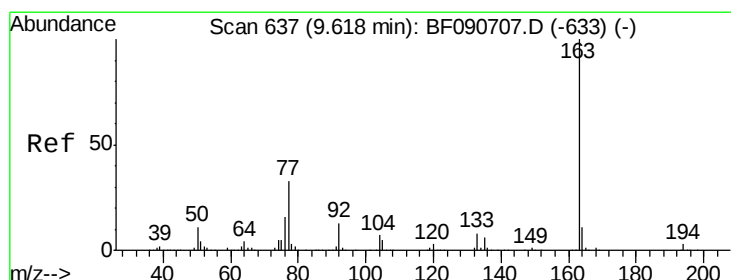
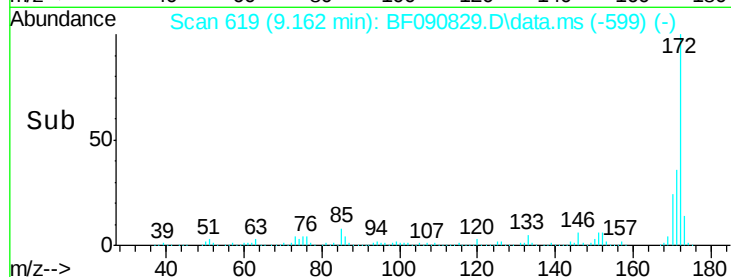
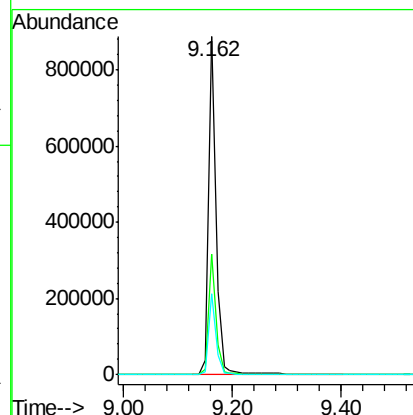
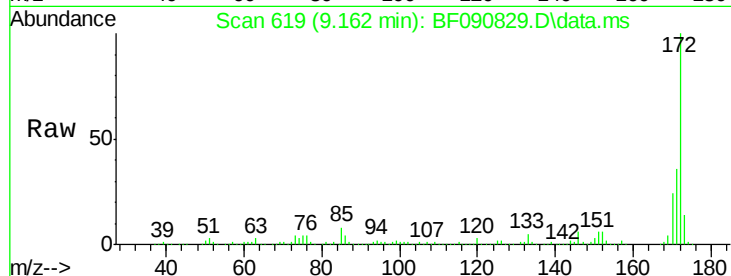




#44
2-Fluorobiphenyl
Concen: 34.66 ng
RT: 9.162 min Scan# 61
Delta R.T. -0.066 min
Lab File: BF090829.D
Acq: 26 Oct 2016 1:11

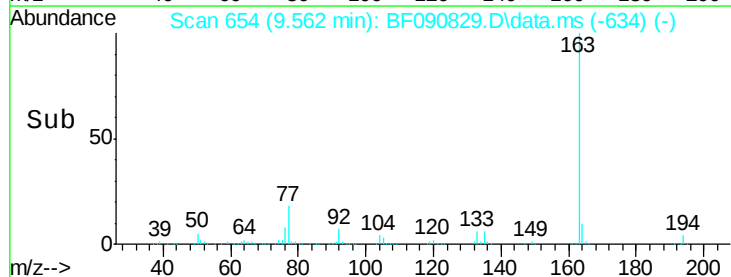
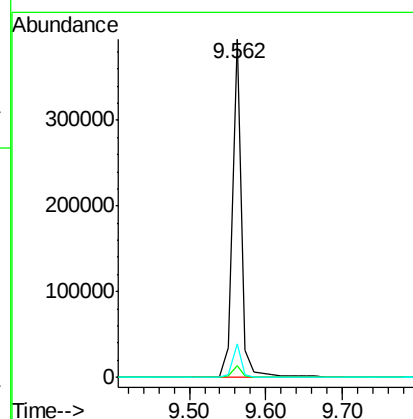
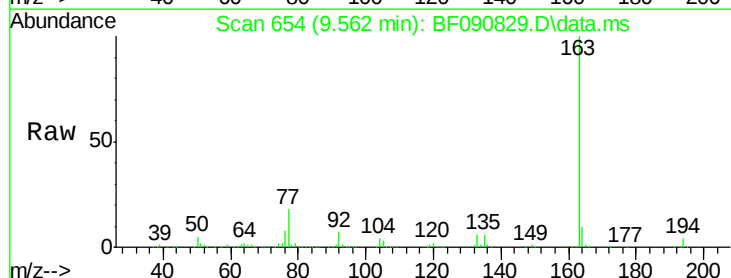
Instrument :
BNA_F
ClientSampleId :
P1-S1

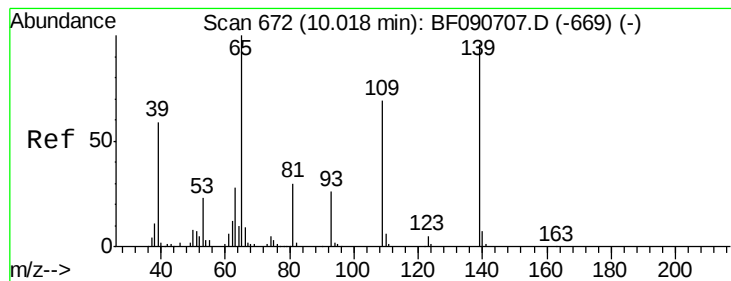
Tot Ion:172 Resp: 837928
Ion Ratio Lower Upper
172 100
171 35.8 26.1 39.1
170 23.8 17.4 26.2



#49
Dimethylphthalate
Concen: 14.10 ng
RT: 9.562 min Scan# 654
Delta R.T. -0.067 min
Lab File: BF090829.D
Acq: 26 Oct 2016 1:11

Tgt Ion:163 Resp: 332417
Ion Ratio Lower Upper
163 100
194 3.6 4.4 6.6#
164 9.9 8.3 12.5





#55

4-Nitrophenol

Concen: 5.99 ng

RT: 10.076 min Scan# 69

Delta R.T. 0.059 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

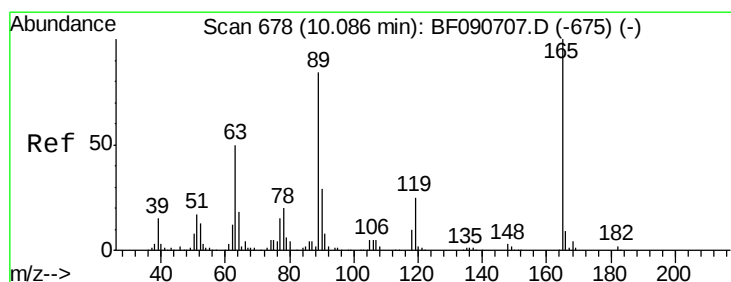
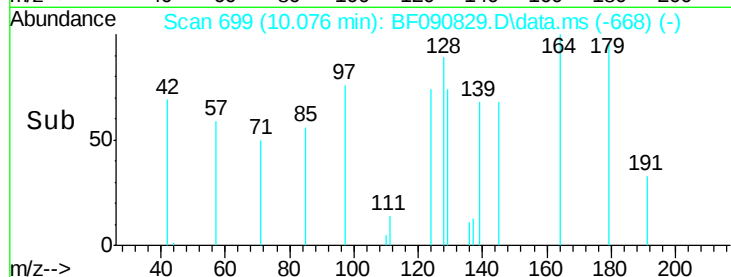
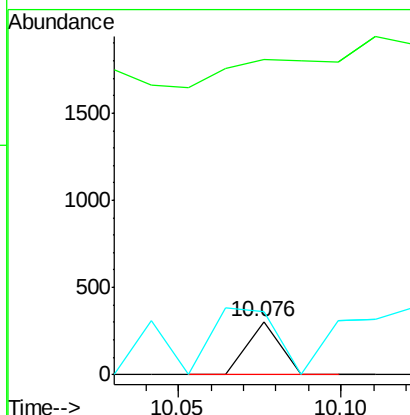
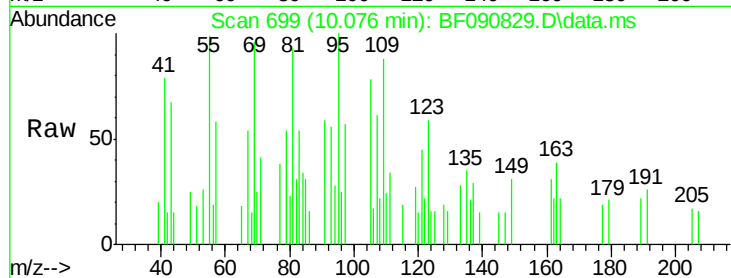
Tot Ion:139 Resp: 207

Ion Ratio Lower Upper

139 100

109 599.0 12.7 52.7#

65 118.9 45.9 85.9#



#56

2,4-Dinitrotoluene

Concen: 8.08 ng

RT: 9.836 min Scan# 678

Delta R.T. -0.250 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Tgt Ion:165 Resp: 50056

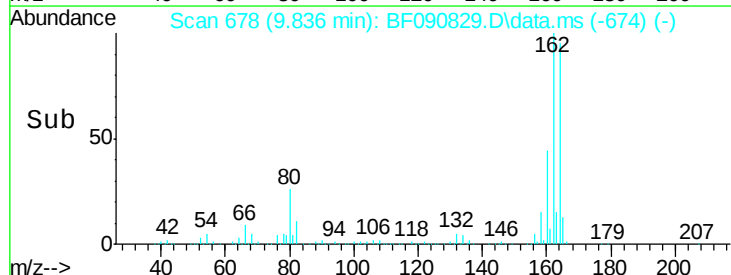
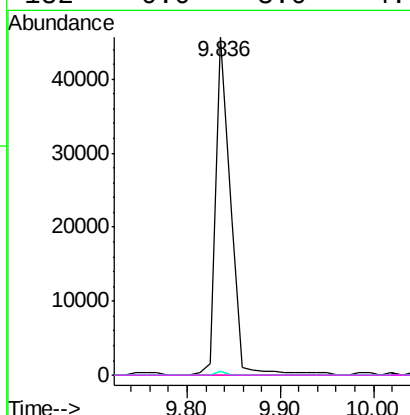
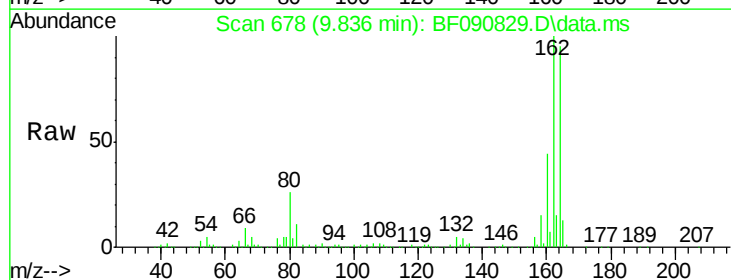
Ion Ratio Lower Upper

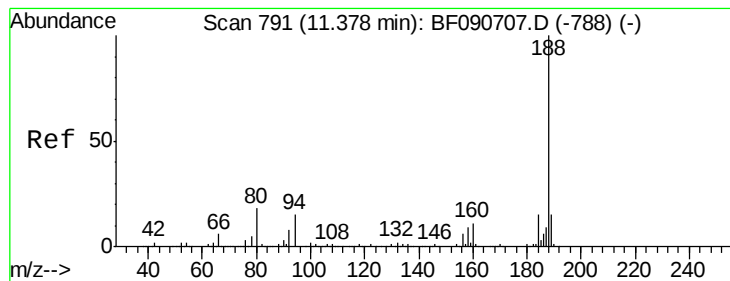
165 100

63 1.0 29.8 44.6#

89 1.2 44.5 66.7#

182 0.0 3.0 4.4#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.322 min Scan# 80

Delta R.T. -0.067 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

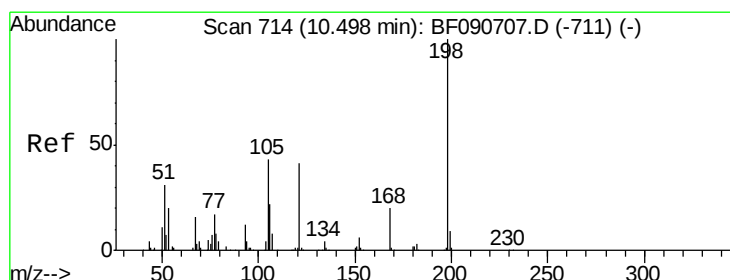
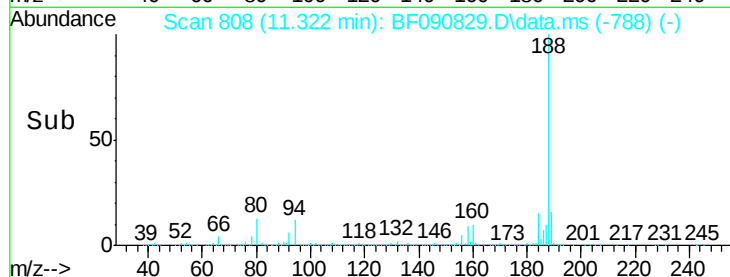
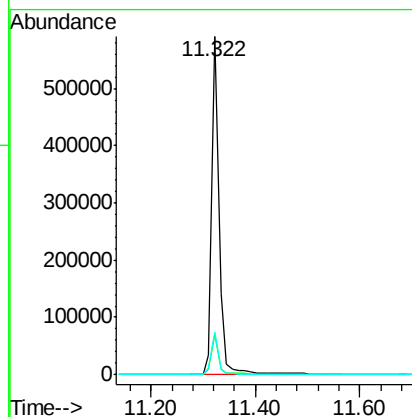
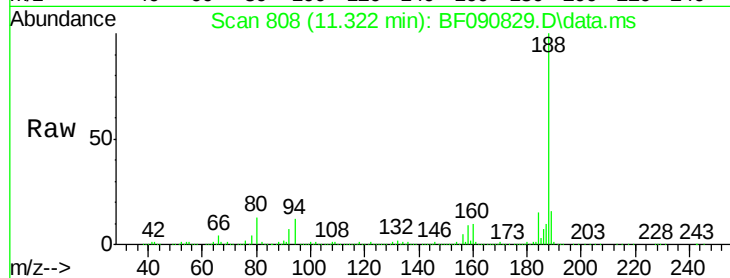
Tot Ion:188 Resp: 576645

Ion Ratio Lower Upper

188 100

94 11.8 11.1 16.7

80 12.7 11.0 16.4



#64

4,6-Dinitro-2-methylphenol

Concen: 4.25 ng

RT: 10.625 min Scan# 747

Delta R.T. 0.128 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

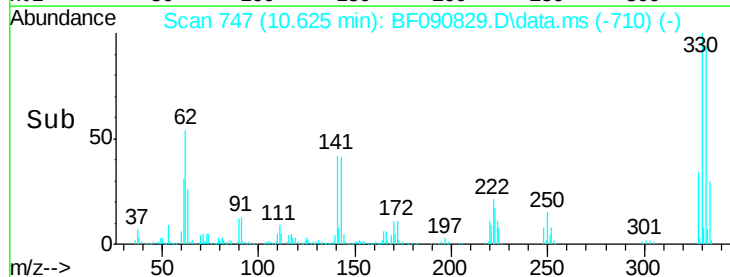
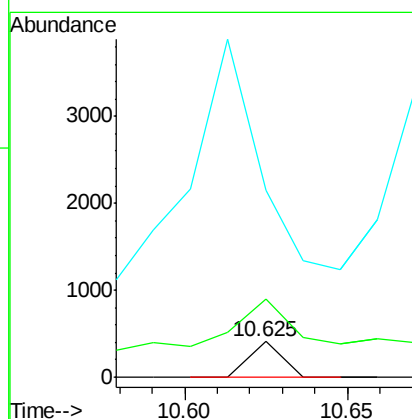
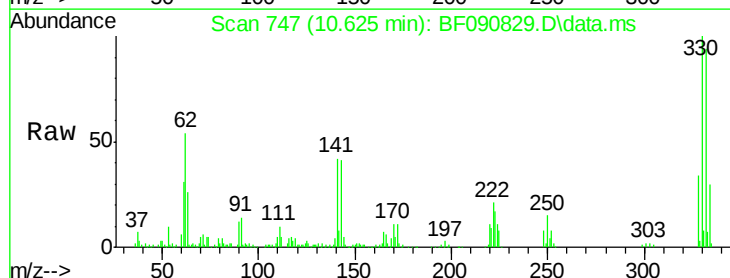
Tgt Ion:198 Resp: 283

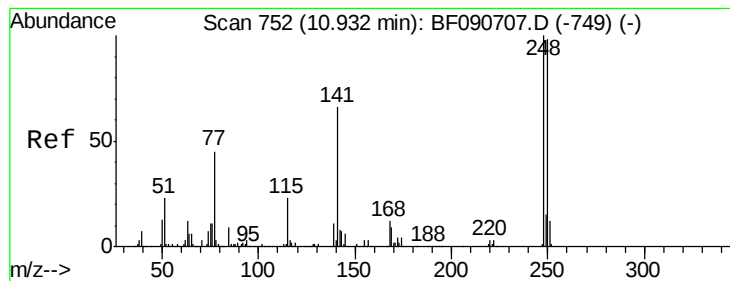
Ion Ratio Lower Upper

198 100

51 217.5 39.6 79.6#

105 521.1 28.5 68.5#





#66

4-Bromophenyl-phenylether

Concen: 2.00 ng

RT: 10.625 min Scan# 74

Delta R.T. -0.307 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

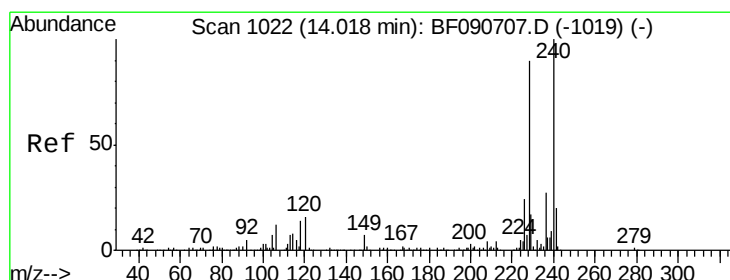
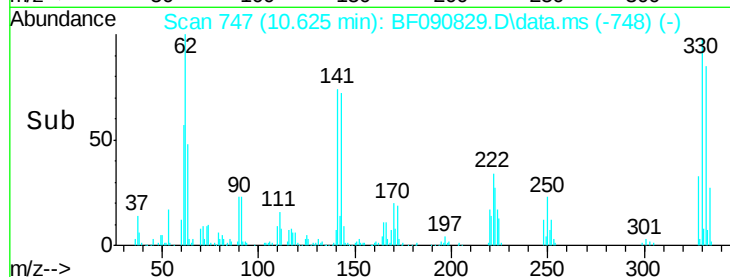
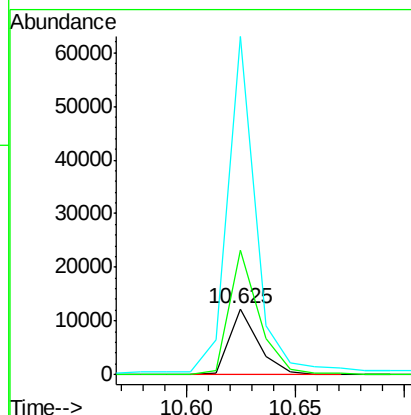
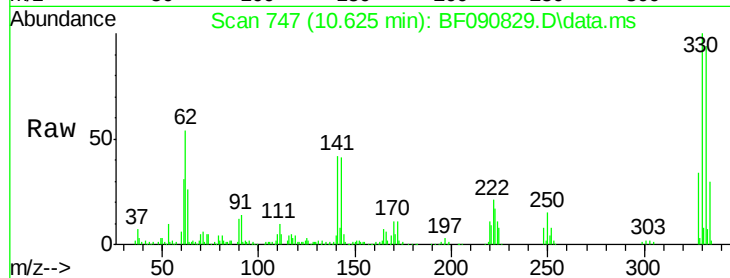
Tot Ion:248 Resp: 11204

Ion Ratio Lower Upper

248 100

250 190.6 78.5 117.7#

141 516.4 59.0 88.6#



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.962 min Scan# 1039

Delta R.T. -0.056 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

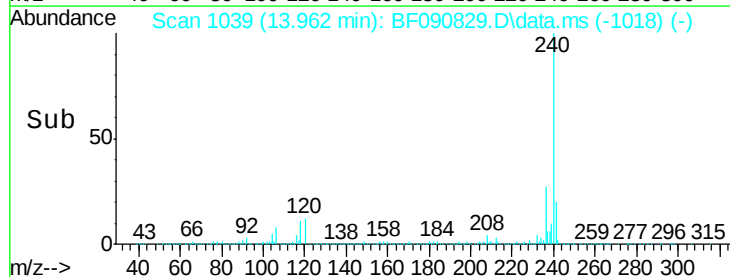
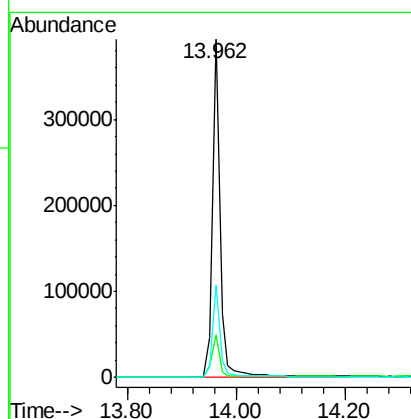
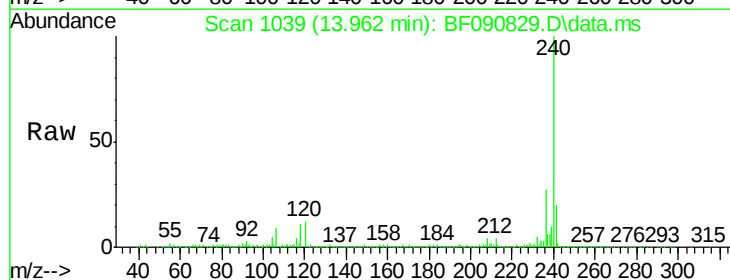
Tgt Ion:240 Resp: 387570

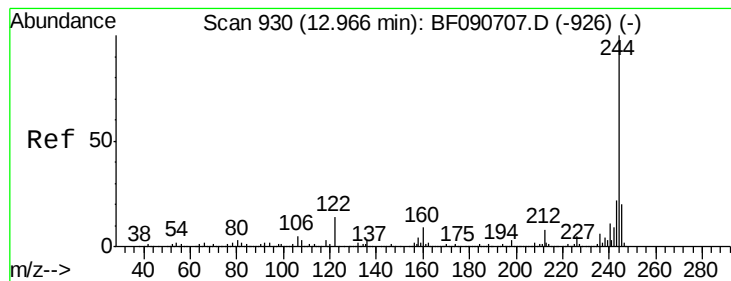
Ion Ratio Lower Upper

240 100

120 12.4 16.2 24.2#

236 27.2 18.4 27.6





#78

Terphenyl-d14

Concen: 35.16 ng

RT: 12.911 min Scan# 94

Delta R.T. -0.055 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

Instrument :

BNA_F

ClientSampleId :

P1-S1

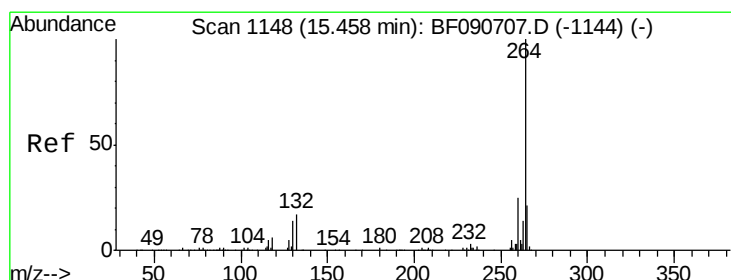
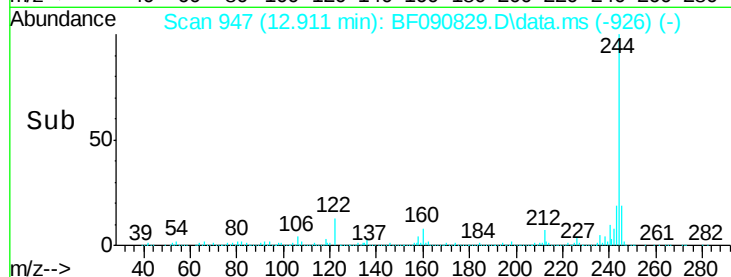
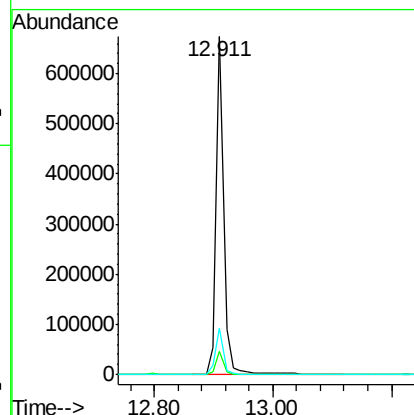
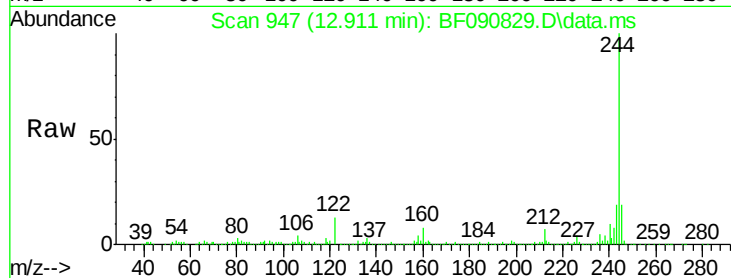
Tot Ion:244 Resp: 594640

Ion Ratio Lower Upper

244 100

212 7.0 4.3 6.5#

122 13.5 17.4 26.2#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.379 min Scan# 1163

Delta R.T. -0.079 min

Lab File: BF090829.D

Acq: 26 Oct 2016 1:11

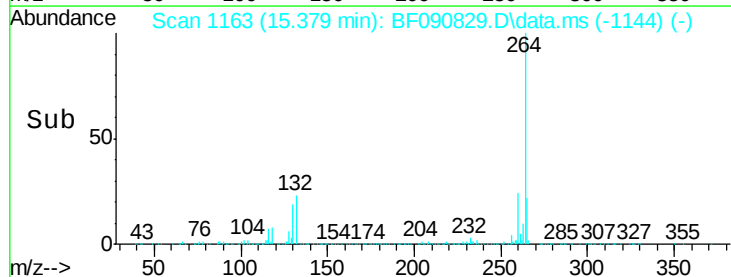
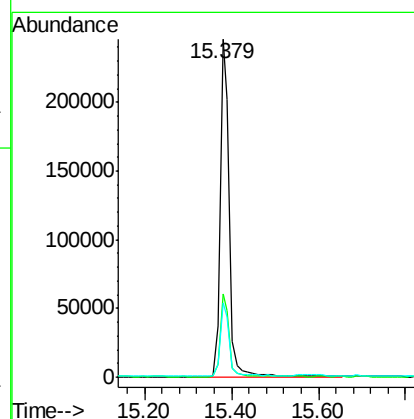
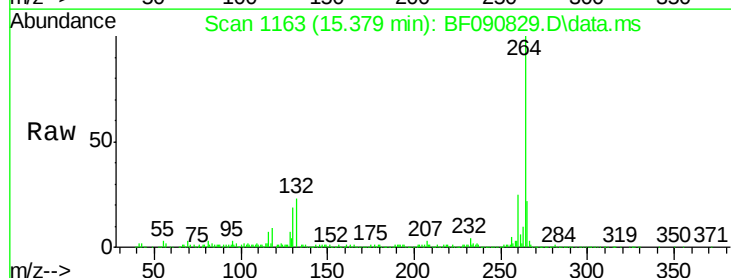
Tgt Ion:264 Resp: 372860

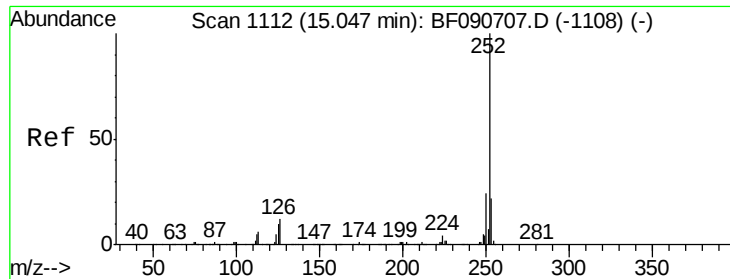
Ion Ratio Lower Upper

264 100

260 24.5 16.7 25.1

265 22.1 17.2 25.8

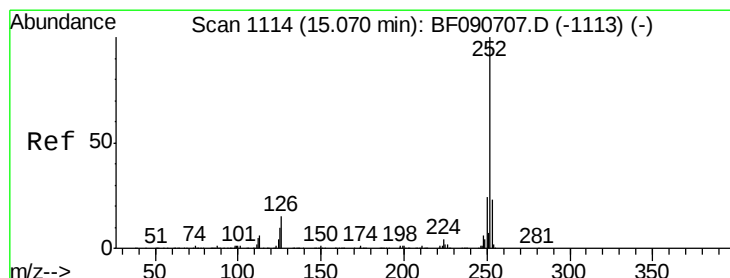
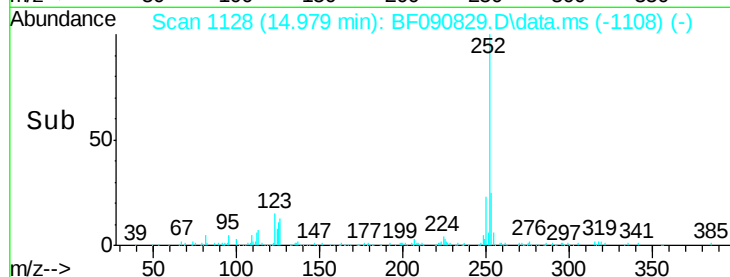
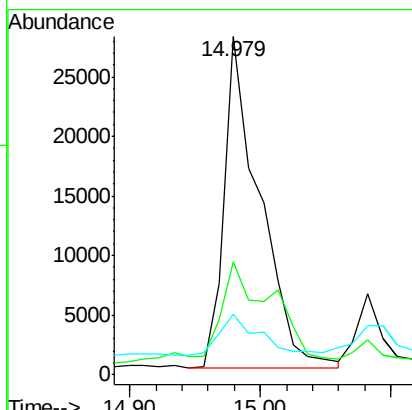
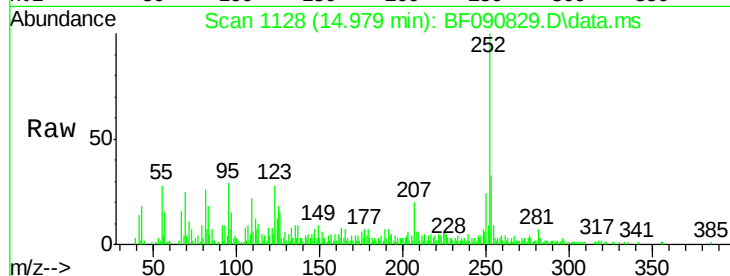




#87
Benzo(b)fluoranthene
Concen: 2.31 ng
RT: 14.979 min Scan# 1112
Delta R.T. -0.067 min
Lab File: BF090829.D
Acq: 26 Oct 2016 1:11

Instrument :
BNA_F
ClientSampleId :
P1-S1

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.5	26.3#
125	17.7	17.1	25.7



#88
Benzo(k)fluoranthene
Concen: 2.30 ng
RT: 14.979 min Scan# 1128
Delta R.T. -0.090 min
Lab File: BF090829.D
Acq: 26 Oct 2016 1:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.0	25.4#
125	17.7	16.0	24.0

