

Data Path : Z:\HPCHEM1\BNA F\Data\BF101016\
 Data File : BF090490.D
 Acq On : 10 Oct 2016 20:08
 Operator : UM/SJ
 Sample : H5140-02DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

Quant Time: Oct 11 11:04:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

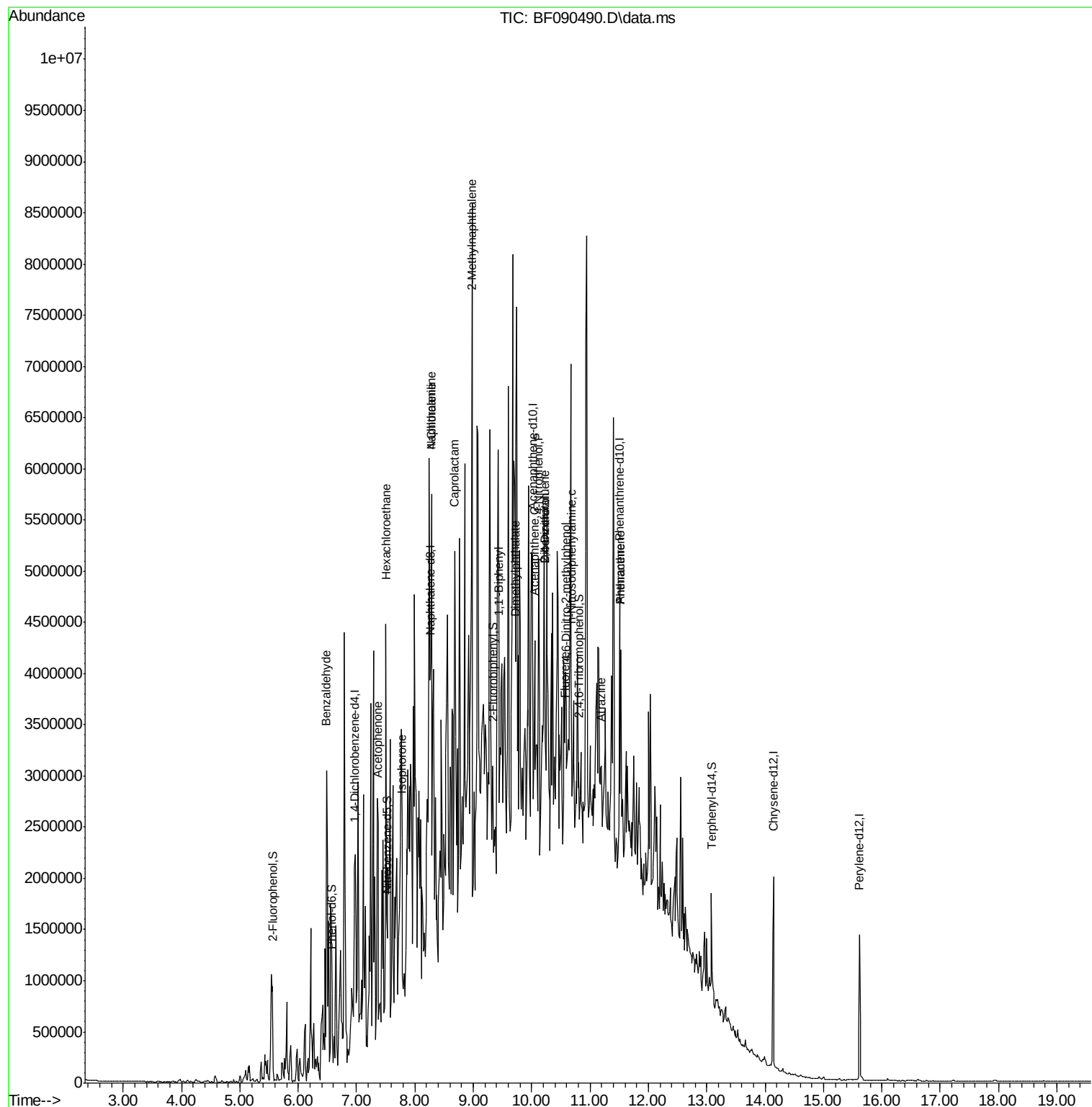
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.966	152	256115	20.00	ng	-0.03	
21) Naphthalene-d8	8.257	136	1002406	20.00	ng	-0.03	
38) Acenaphthene-d10	10.018	164	564243	20.00	ng	-0.03	
63) Phenanthrene-d10	11.503	188	912711	20.00	ng	-0.05	
75) Chrysene-d12	14.144	240	812029	20.00	ng	-0.06	
86) Perylene-d12	15.618	264	614838	20.00	ng	-0.08	
System Monitoring Compounds							
5) 2-Fluorophenol	5.560	112	176689	10.30	ng	-0.04	
7) Phenol-d6	6.577	99	232479	10.34	ng	-0.05	
23) Nitrobenzene-d5	7.526	82	196295	9.53	ng	-0.05	
41) 2,4,6-Tribromophenol	10.806	330	49942	10.89	ng	-0.05	
44) 2-Fluorobiphenyl	9.332	172	276354	8.16	ng	-0.05	
78) Terphenyl-d14	13.081	244	244256	6.76	ng	-0.06	
Target Compounds							Qvalue
9) Benzaldehyde	6.486	77	121538	10.70	ng	#	1
18) Hexachloroethane	7.503	117	210922	27.98	ng	#	1
22) Acetophenone	7.366	105	464492	19.56	ng	#	50
25) Isophorone	7.777	82	111959	2.97	ng	#	1
31) Naphthalene	8.280	128	1688464	34.91	ng		98
33) 4-Chloroaniline	8.280	127	296671	14.84	ng	#	36
35) Caprolactam	8.680	113	118495	27.07	ng	#	58
37) 2-Methylnaphthalene	8.977	142	2388585	81.60	ng		98
45) 1,1'-Biphenyl	9.435	154	405260	9.69	ng		94
49) Dimethylphthalate	9.720	163	107213	2.97	ng	#	90
51) Acenaphthene	10.052	154	65289	2.05	ng	#	1
54) Dibenzofuran	10.223	168	147944	3.60	ng	#	12
55) 4-Nitrophenol	10.120	139	74395	9.07	ng	#	52
56) 2,4-Dinitrotoluene	10.223	165	44642	4.18	ng	#	67
57) Fluorene	10.566	166	253000	7.32	ng	#	91
64) 4,6-Dinitro-2-methylph...	10.589	198	4083	6.02	ng	#	1
65) n-Nitrosodiphenylamine	10.681	169	378094	12.36	ng	#	49
68) Atrazine	11.195	200	22177	2.94	ng	#	40
70) Phenanthrene	11.526	178	747214	15.99	ng		97
71) Anthracene	11.526	178	747214	15.66	ng		97

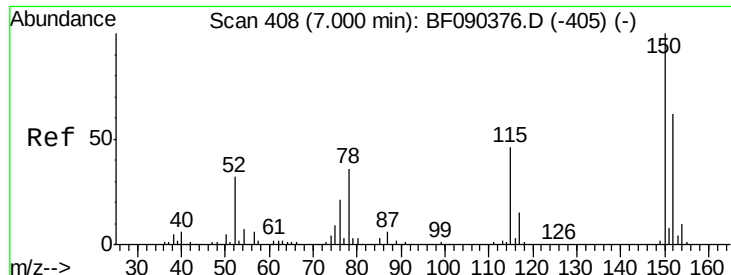
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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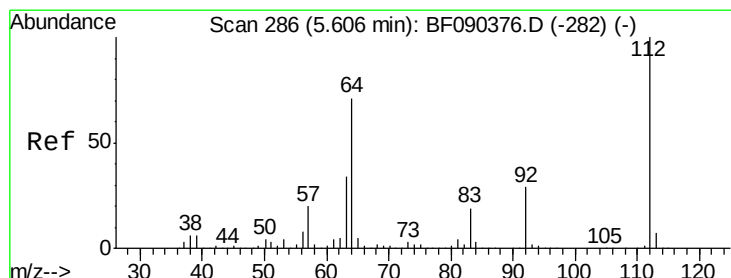
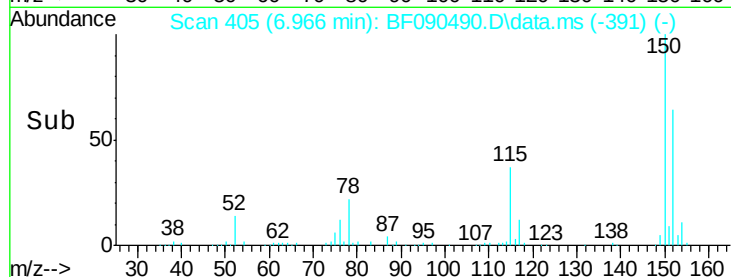
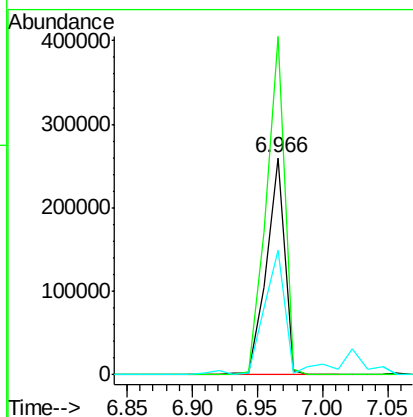
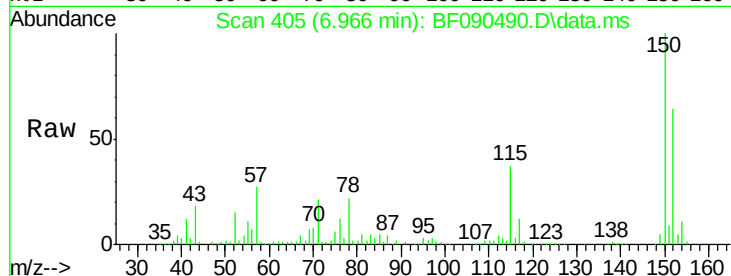




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.966 min Scan# 40
 Delta R.T. -0.034 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

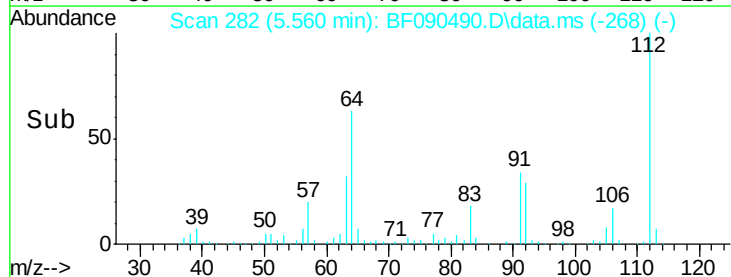
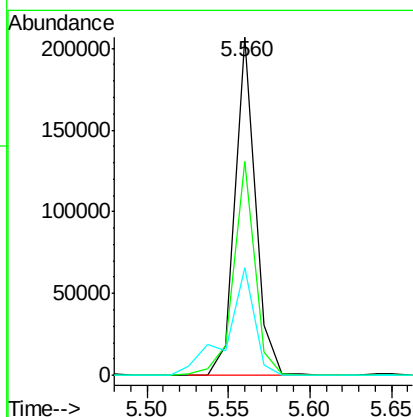
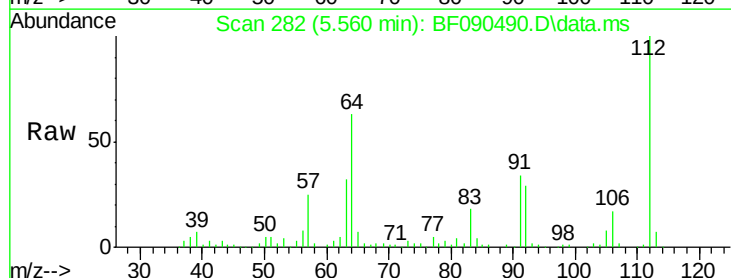
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

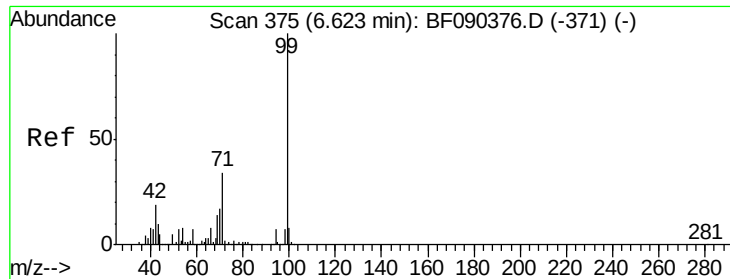
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	57.6	46.2	69.4



#5
 2-Fluorophenol
 Concen: 10.30 ng
 RT: 5.560 min Scan# 282
 Delta R.T. -0.045 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	57.9	86.9
63	31.8	29.6	44.4





#7

Phenol-d6

Concen: 10.34 ng

RT: 6.577 min Scan# 37

Delta R.T. -0.046 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

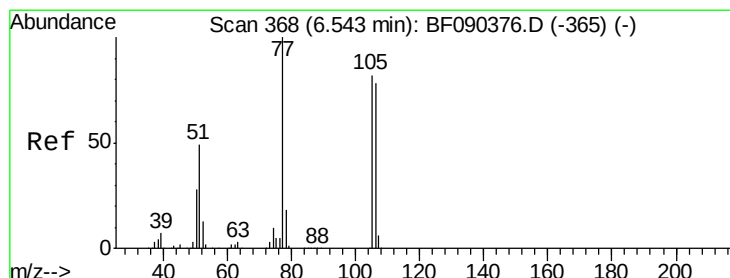
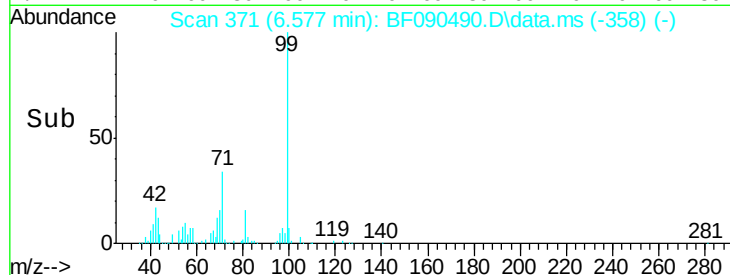
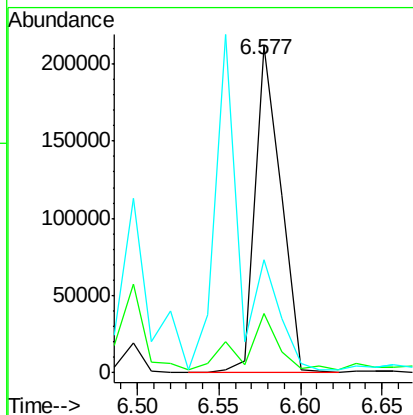
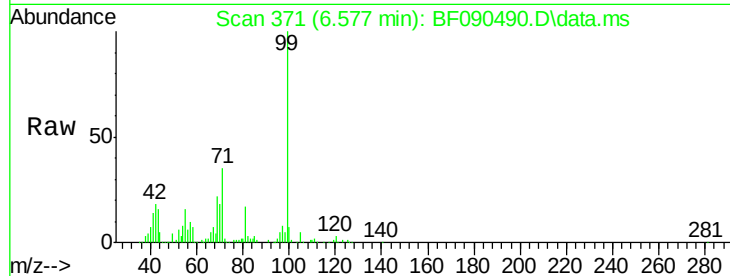
Tot Ion: 99 Resp: 232479

Ion Ratio Lower Upper

99 100

42 18.2 20.0 30.0#

71 34.6 27.9 41.9



#9

Benzaldehyde

Concen: 10.70 ng

RT: 6.486 min Scan# 363

Delta R.T. -0.057 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

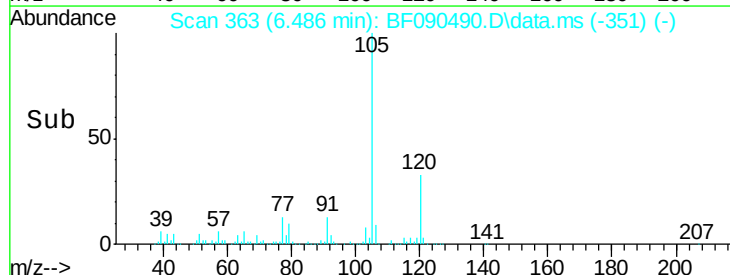
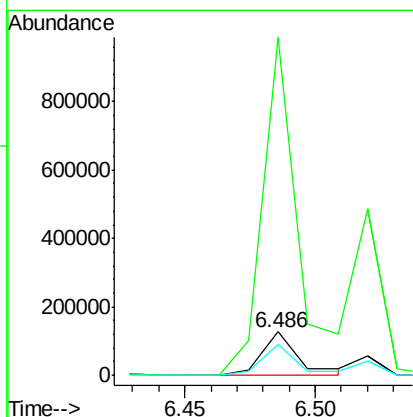
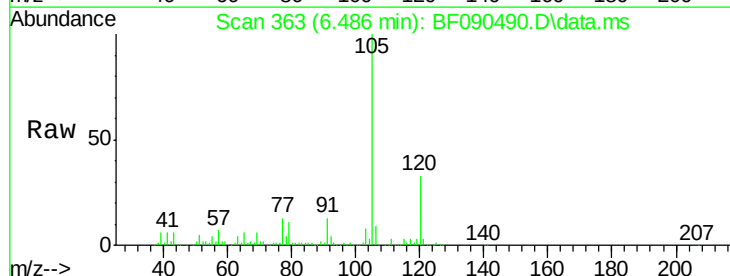
Tgt Ion: 77 Resp: 121538

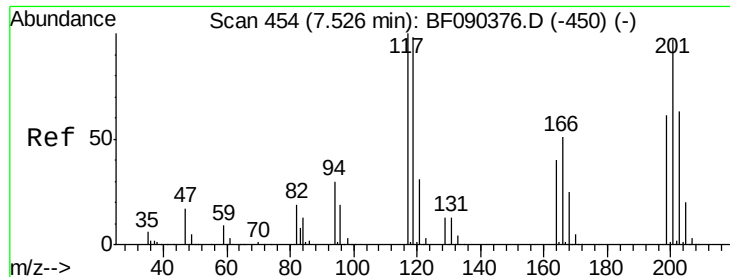
Ion Ratio Lower Upper

77 100

105 776.8 73.1 113.1#

106 70.8 70.2 110.2





#18

Hexachloroethane

Concen: 27.98 ng

RT: 7.503 min Scan# 45

Delta R.T. -0.023 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

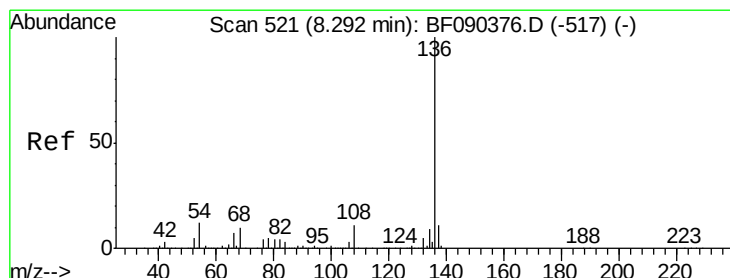
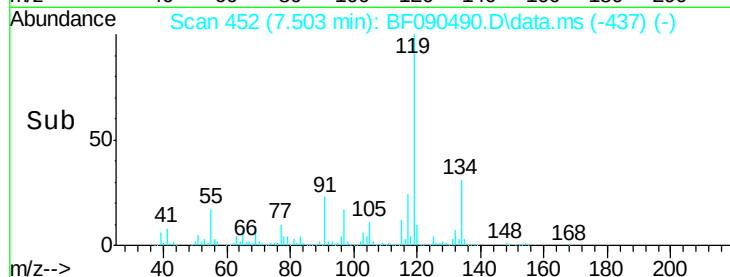
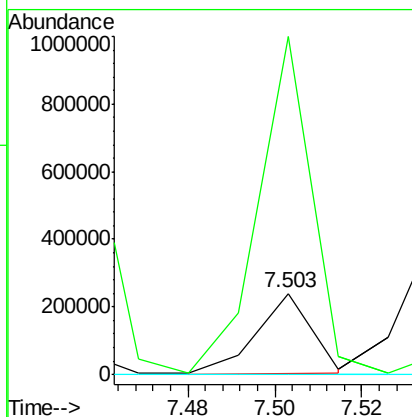
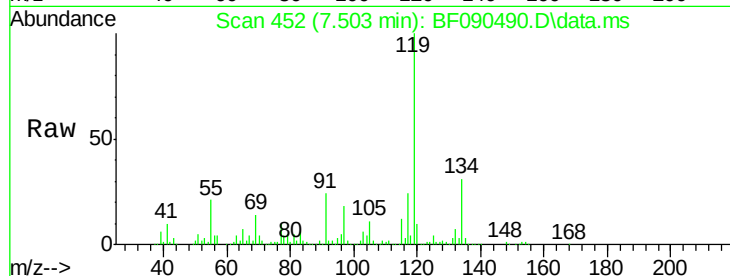
Tot Ion:117 Resp: 210922

Ion Ratio Lower Upper

117 100

119 415.2 75.9 113.9#

201 0.0 66.5 99.7#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.257 min Scan# 518

Delta R.T. -0.034 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Tgt Ion:136 Resp: 1002406

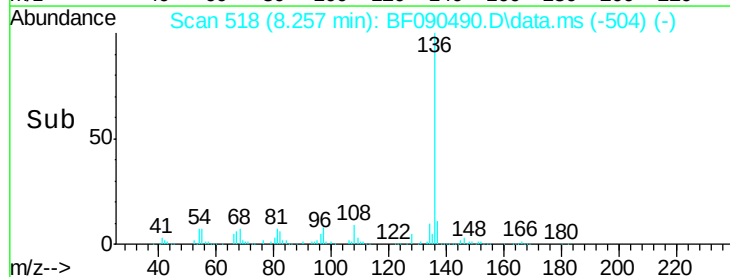
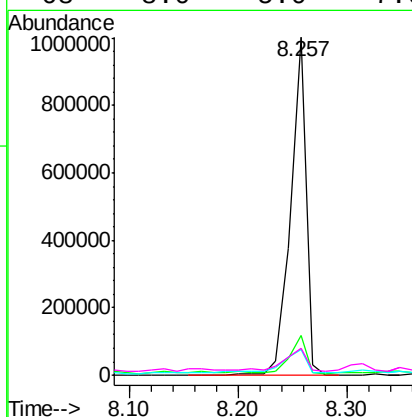
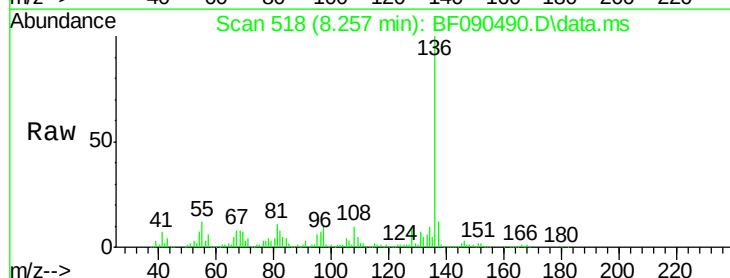
Ion Ratio Lower Upper

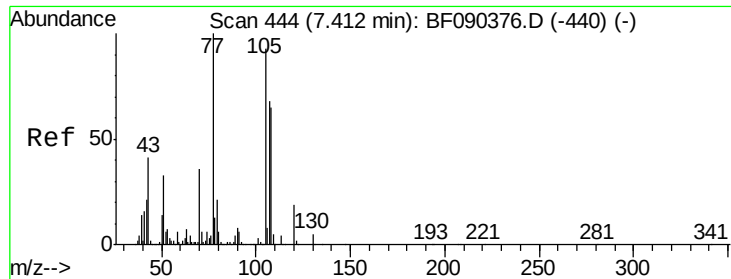
136 100

137 11.7 9.0 13.6

54 7.4 6.6 10.0

68 8.0 5.0 7.6#





#22

Acetophenone

Concen: 19.56 ng

RT: 7.366 min Scan# 44

Delta R.T. -0.046 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

Tot Ion:105 Resp: 464492

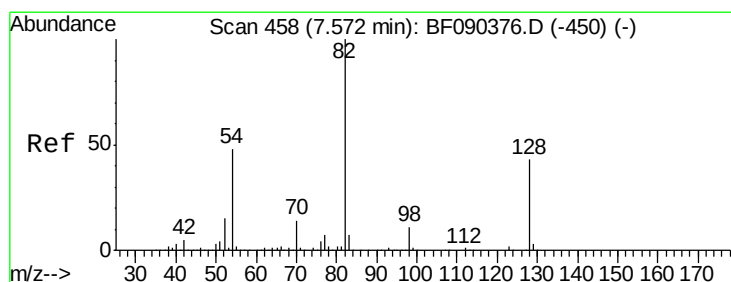
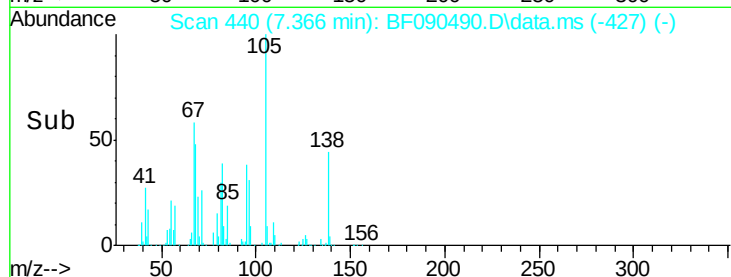
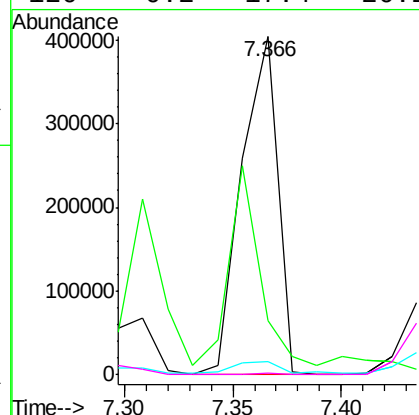
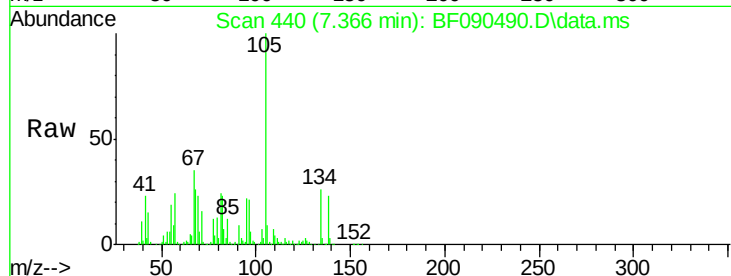
Ion Ratio Lower Upper

105 100

71 15.8 3.8 5.6#

51 3.7 28.2 42.4#

120 0.2 17.4 26.2#



#23

Nitrobenzene-d5

Concen: 9.53 ng

RT: 7.526 min Scan# 454

Delta R.T. -0.046 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

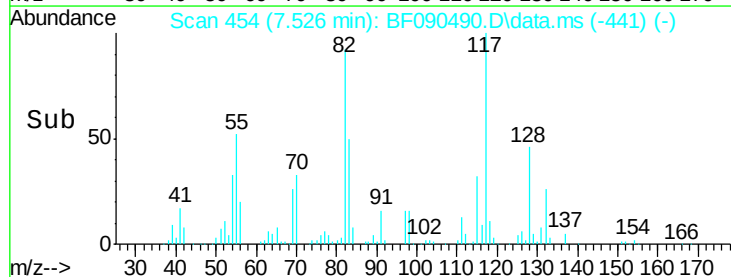
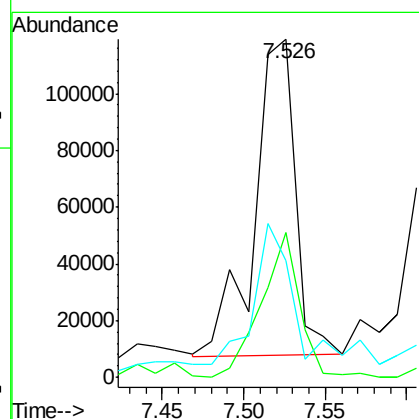
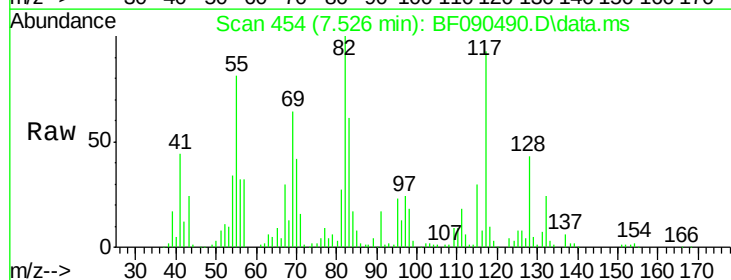
Tgt Ion: 82 Resp: 196295

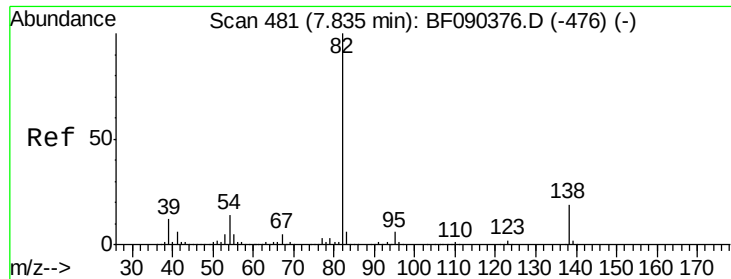
Ion Ratio Lower Upper

82 100

128 43.0 40.0 60.0

54 34.5 42.6 64.0#





#25

Isophorone

Concen: 2.97 ng

RT: 7.777 min Scan# 47

Delta R.T. -0.057 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

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ClientSampleId :

T-6DL

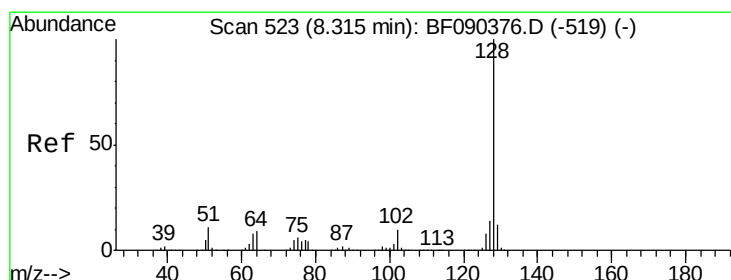
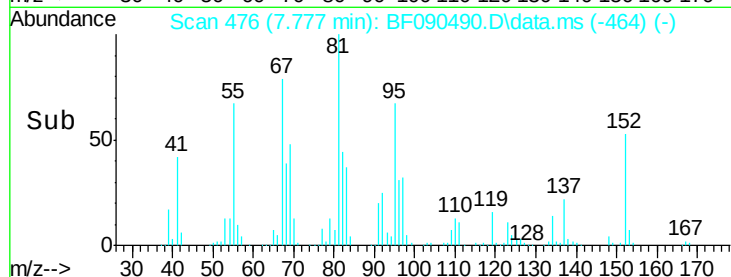
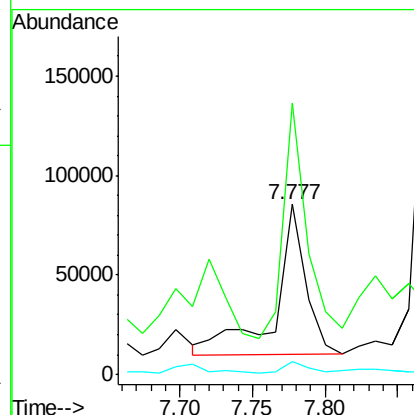
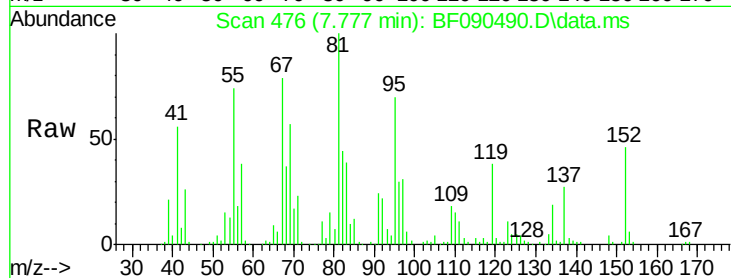
Tot Ion: 82 Resp: 111959

Ion Ratio Lower Upper

82 100

95 159.6 5.2 7.8#

138 7.8 13.0 19.4#



#31

Naphthalene

Concen: 34.91 ng

RT: 8.280 min Scan# 520

Delta R.T. -0.034 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

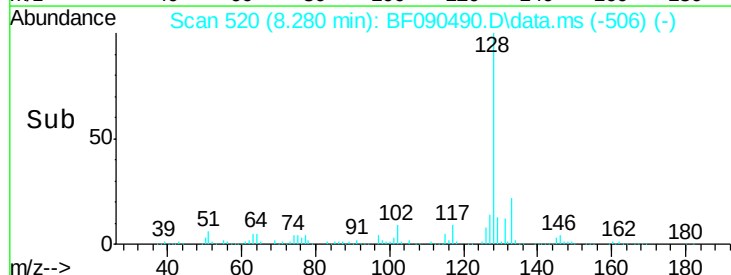
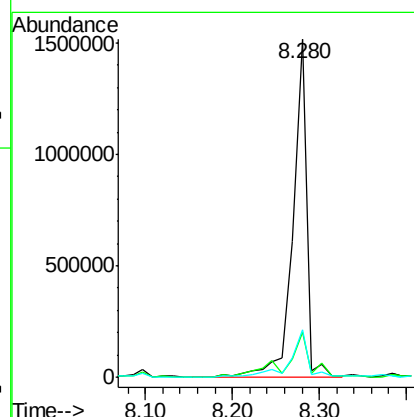
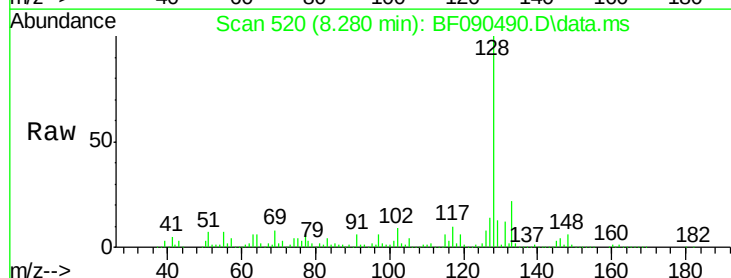
Tgt Ion:128 Resp: 1688464

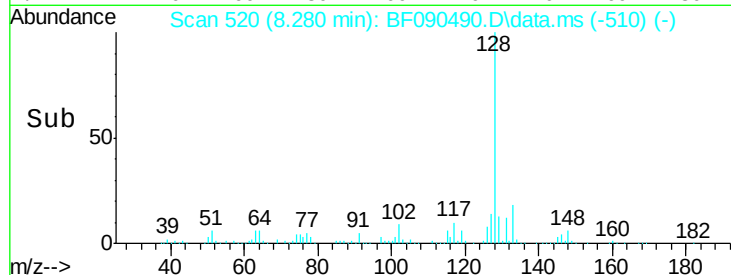
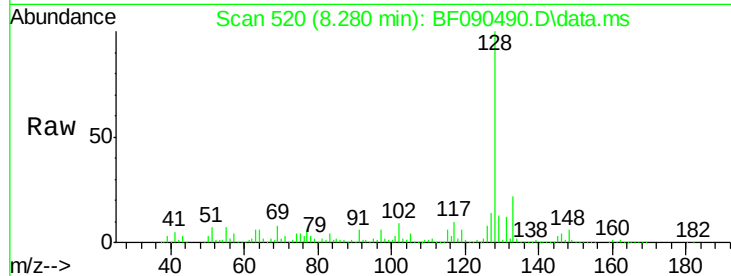
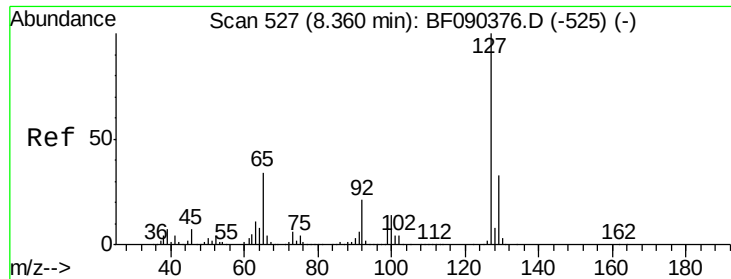
Ion Ratio Lower Upper

128 100

129 13.1 9.7 14.5

127 14.1 11.7 17.5

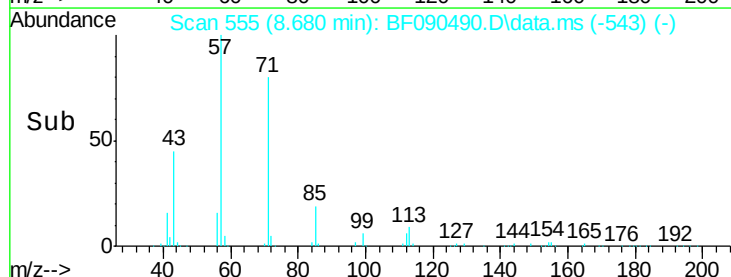
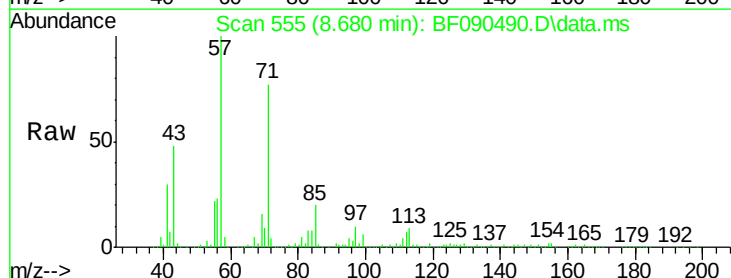
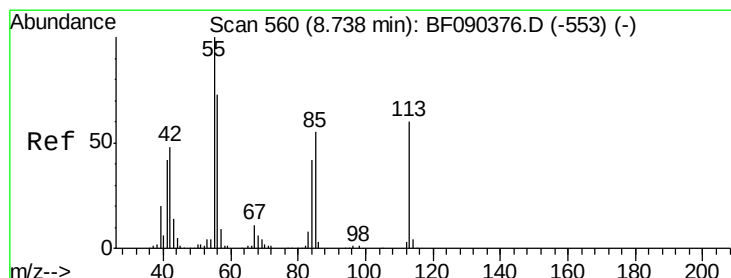
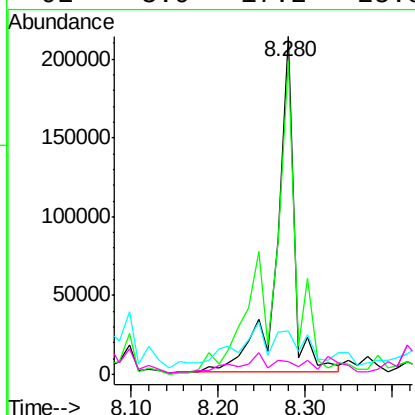




#33
4-Chloroaniline
Concen: 14.84 ng
RT: 8.280 min Scan# 52
Delta R.T. -0.080 min
Lab File: BF090490.D
Acq: 10 Oct 2016 20:08

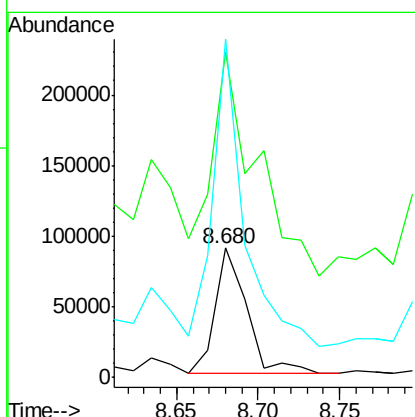
Instrument :
BNA_F
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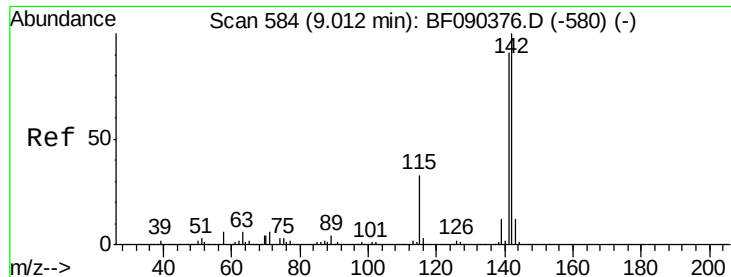
Tot Ion	Ratio	Lower	Upper
127	100		
129	92.9	26.2	39.4#
65	12.9	32.5	48.7#
92	3.9	17.2	25.8#



#35
Caprolactam
Concen: 27.07 ng
RT: 8.680 min Scan# 555
Delta R.T. -0.057 min
Lab File: BF090490.D
Acq: 10 Oct 2016 20:08

Tgt Ion	Ratio	Lower	Upper
113	100		
55	251.3	203.3	243.3#
56	261.6	140.5	180.5#

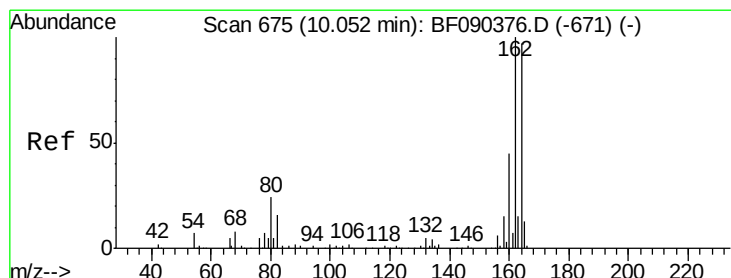
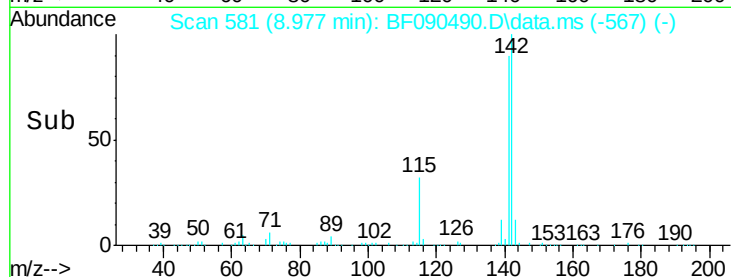
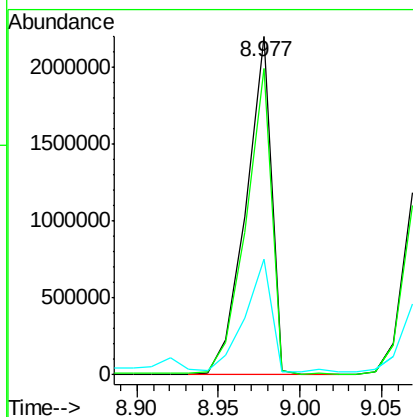
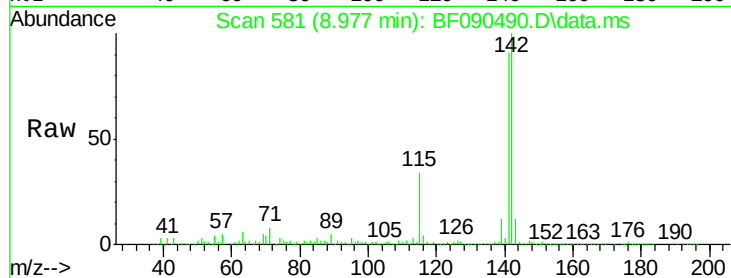




#37
2-Methylnaphthalene
Concen: 81.60 ng
RT: 8.977 min Scan# 58
Delta R.T. -0.034 min
Lab File: BF090490.D
Acq: 10 Oct 2016 20:08

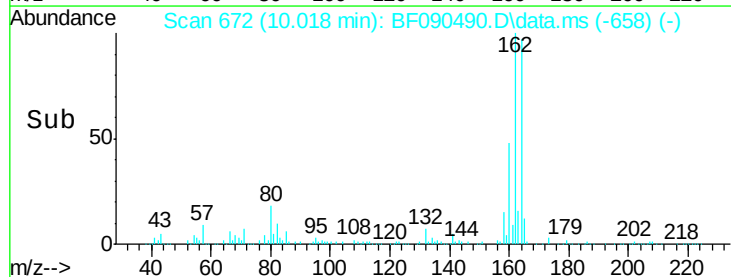
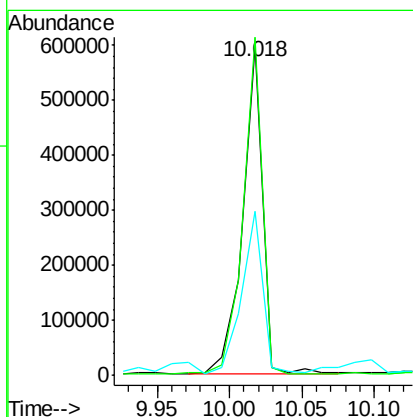
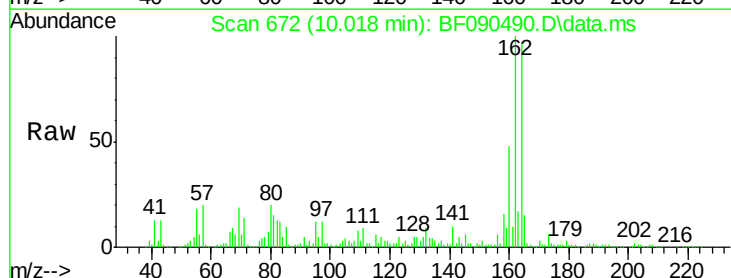
Instrument :
BNA_F
ClientSampleId :
T-6DL

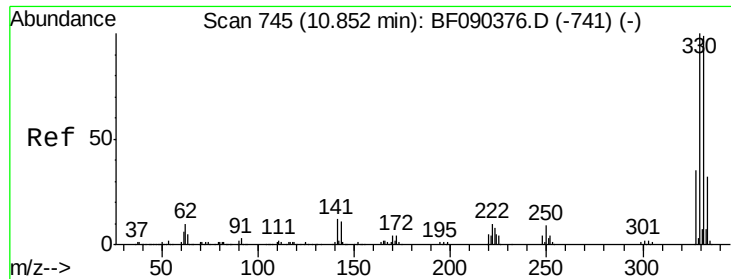
Tot Ion:142 Resp: 2388585
Ion Ratio Lower Upper
142 100
141 90.6 71.8 107.8
115 34.0 28.8 43.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.018 min Scan# 672
Delta R.T. -0.034 min
Lab File: BF090490.D
Acq: 10 Oct 2016 20:08

Tgt Ion:164 Resp: 564243
Ion Ratio Lower Upper
164 100
162 102.6 80.1 120.1
160 49.7 36.3 54.5

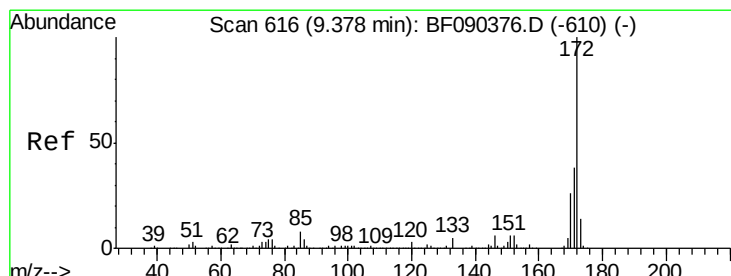
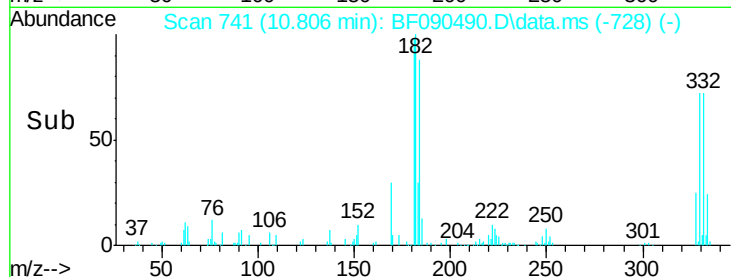
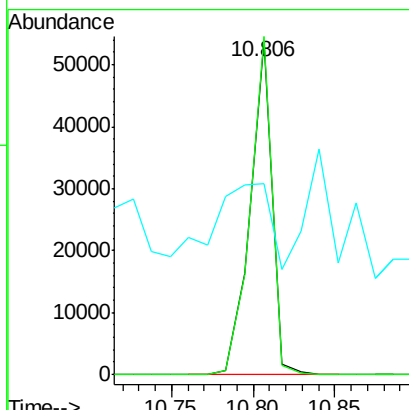
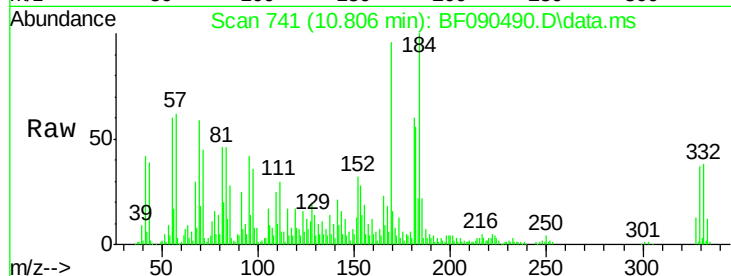




#41
 2,4,6-Tribromophenol
 Concen: 10.89 ng
 RT: 10.806 min Scan# 74
 Delta R.T. -0.046 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

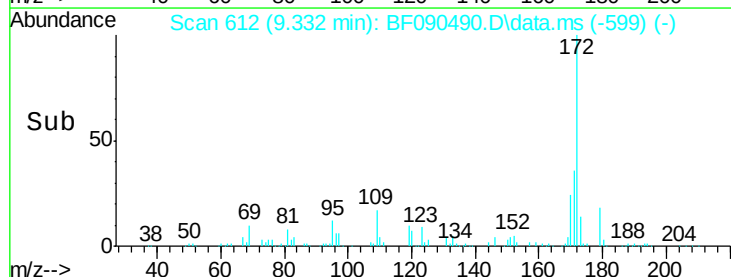
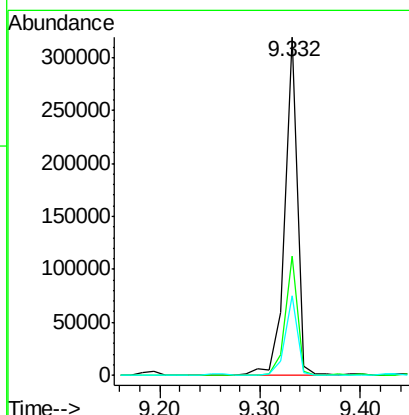
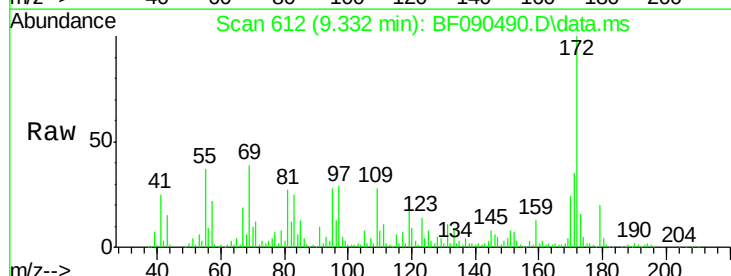
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

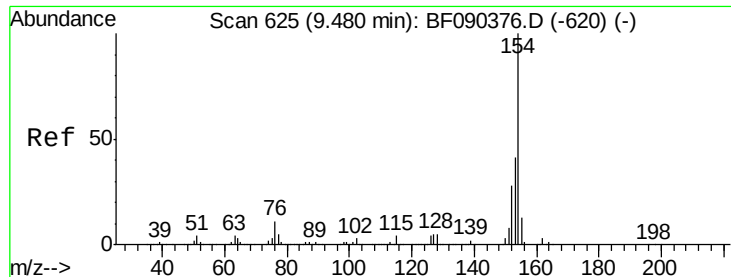
Tot Ion:330 Resp: 49942
 Ion Ratio Lower Upper
 330 100
 332 100.4 75.4 113.0
 141 67.1 26.9 40.3#



#44
 2-Fluorobiphenyl
 Concen: 8.16 ng
 RT: 9.332 min Scan# 612
 Delta R.T. -0.046 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

Tgt Ion:172 Resp: 276354
 Ion Ratio Lower Upper
 172 100
 171 35.4 31.8 47.8
 170 23.6 21.7 32.5





#45

1,1'-Biphenyl

Concen: 9.69 ng

RT: 9.435 min Scan# 62

Delta R.T. -0.046 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

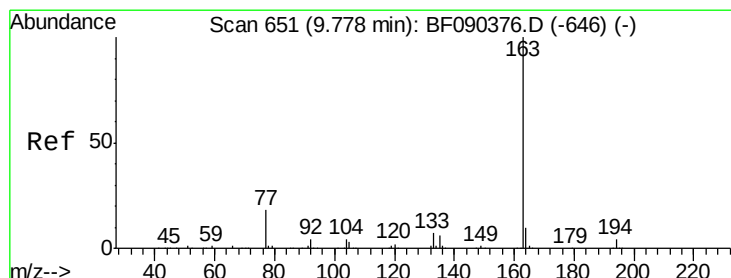
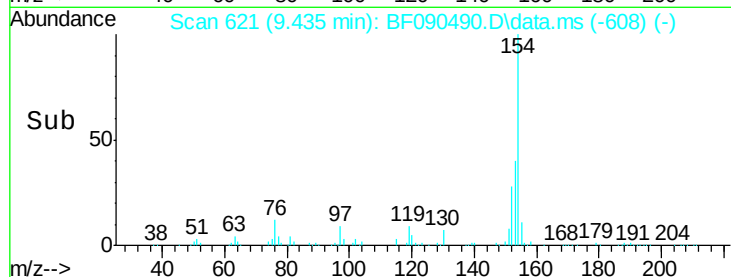
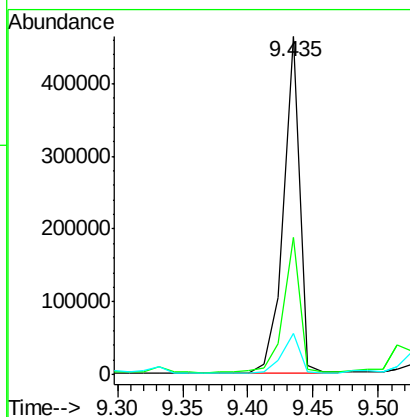
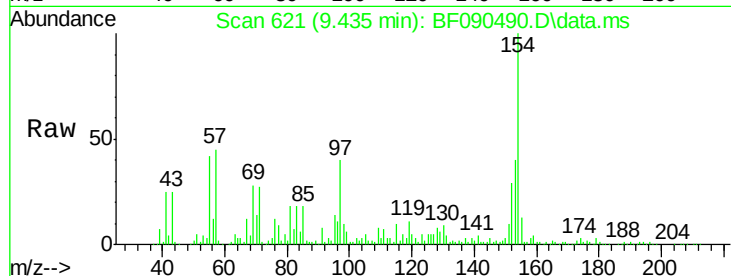
Tot Ion:154 Resp: 405260

Ion Ratio Lower Upper

154 100

153 40.5 23.8 63.8

76 12.1 0.0 35.8



#49

Dimethylphthalate

Concen: 2.97 ng

RT: 9.720 min Scan# 646

Delta R.T. -0.057 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

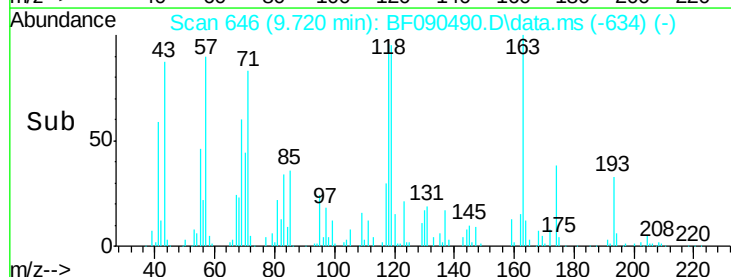
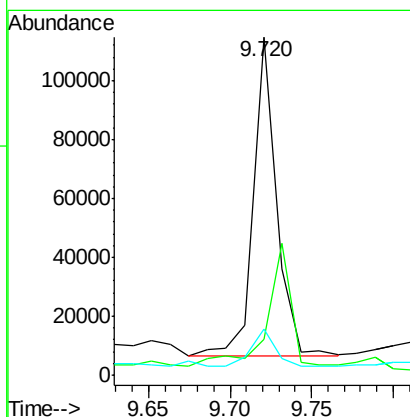
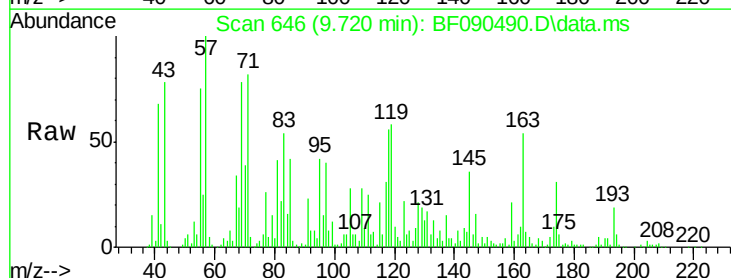
Tgt Ion:163 Resp: 107213

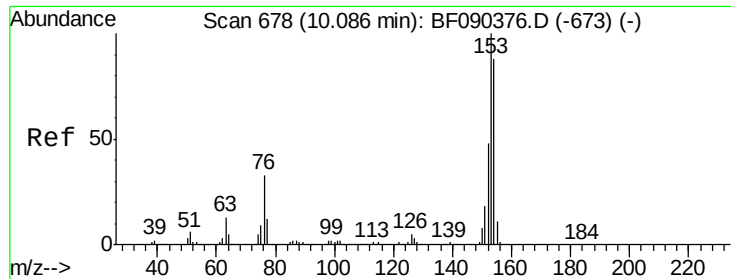
Ion Ratio Lower Upper

163 100

194 10.5 2.8 4.2#

164 13.6 9.0 13.4#





#51

Acenaphthene

Concen: 2.05 ng

RT: 10.052 min Scan# 67

Delta R.T. -0.034 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

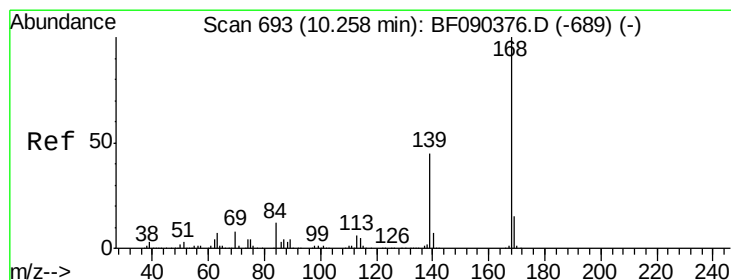
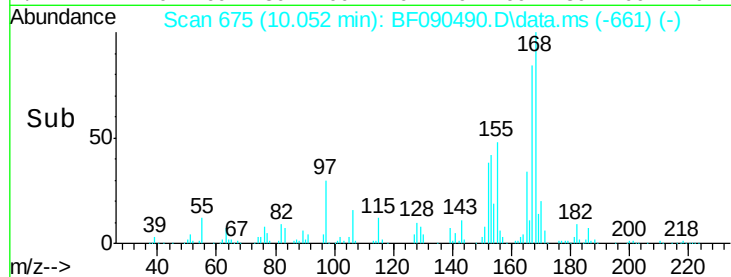
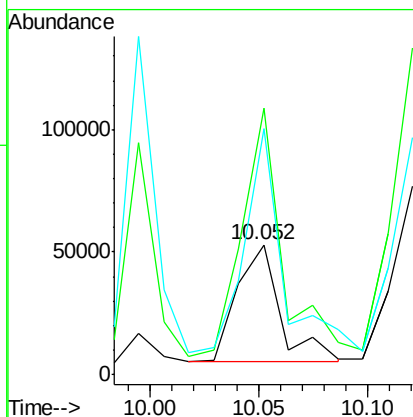
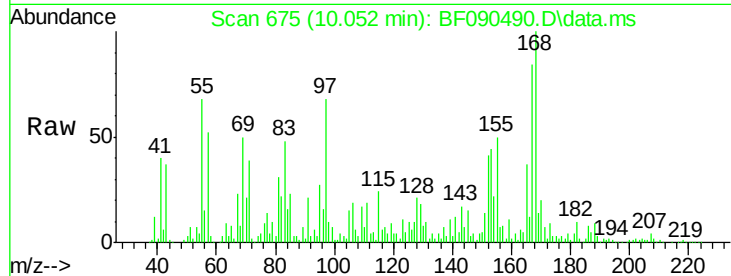
Tot Ion:154 Resp: 65289

Ion Ratio Lower Upper

154 100

153 205.6 88.6 133.0#

152 189.9 42.6 64.0#



#54

Dibenzofuran

Concen: 3.60 ng

RT: 10.223 min Scan# 690

Delta R.T. -0.034 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

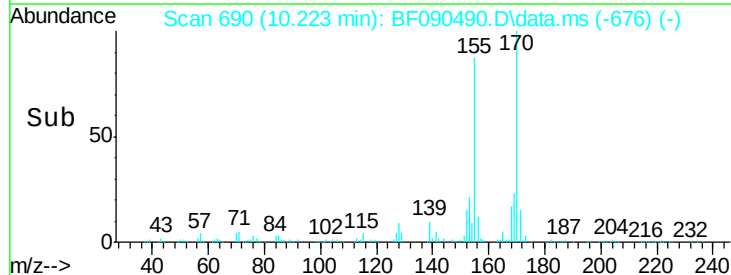
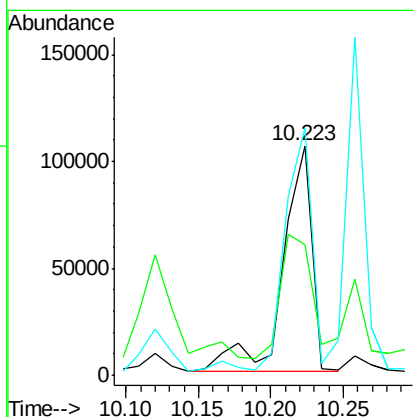
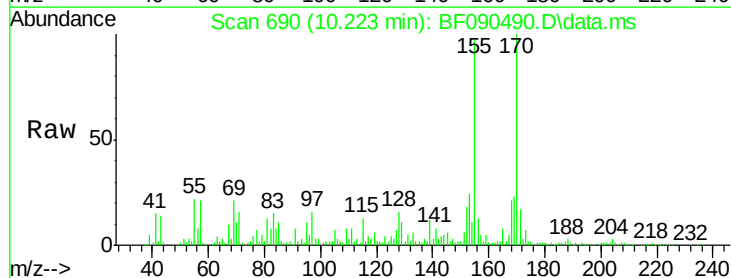
Tgt Ion:168 Resp: 147944

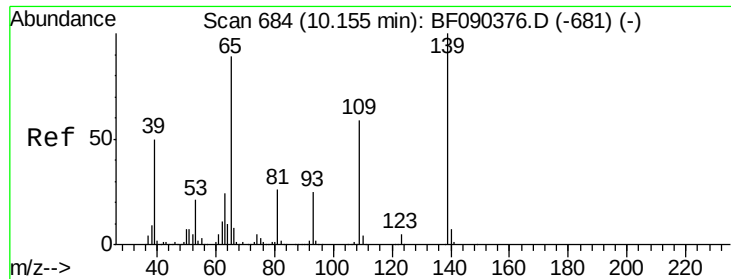
Ion Ratio Lower Upper

168 100

139 57.1 29.6 44.4#

169 107.5 11.3 16.9#

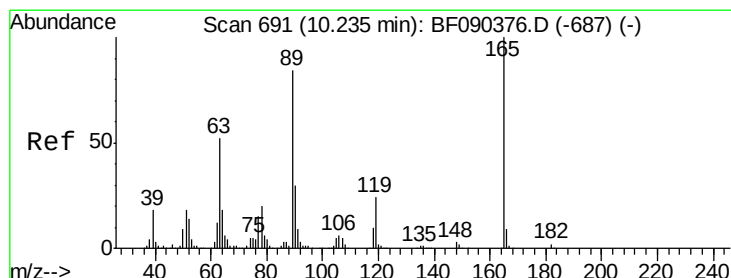
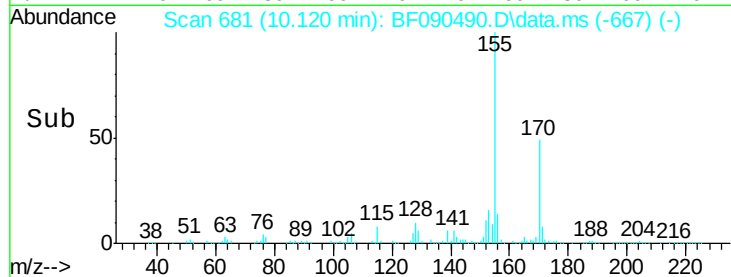
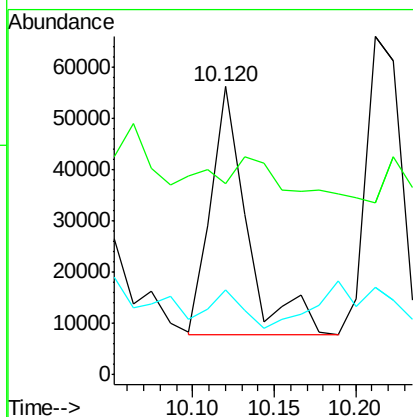
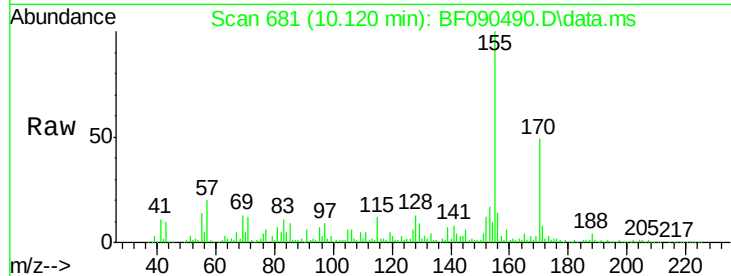




#55
4-Nitrophenol
Concen: 9.07 ng
RT: 10.120 min Scan# 68
Delta R.T. -0.034 min
Lab File: BF090490.D
Acq: 10 Oct 2016 20:08

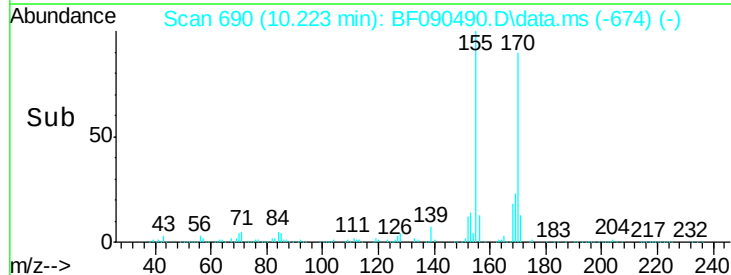
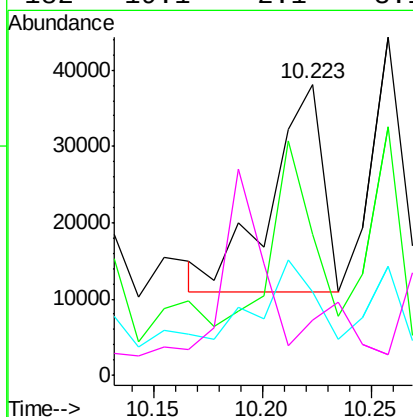
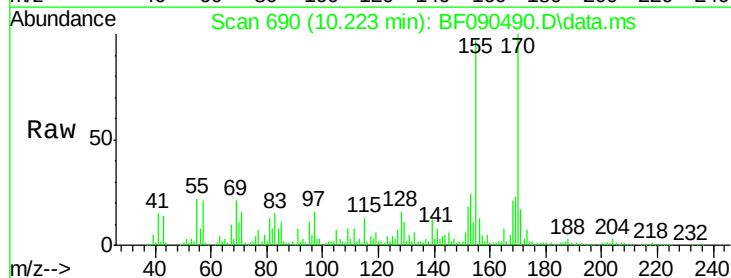
Instrument :
BNA_F
ClientSampleId :
T-6DL

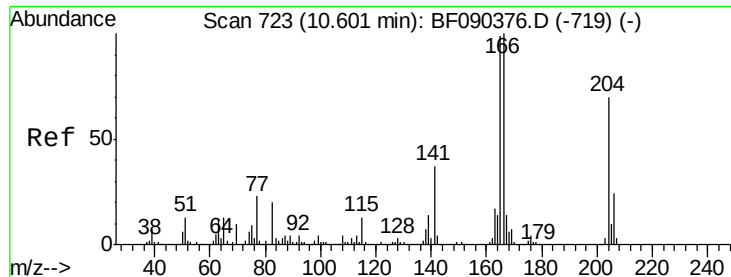
Tot Ion:139 Resp: 74395
Ion Ratio Lower Upper
139 100
109 66.3 43.6 83.6
65 29.6 87.5 127.5#



#56
2,4-Dinitrotoluene
Concen: 4.18 ng
RT: 10.223 min Scan# 690
Delta R.T. -0.012 min
Lab File: BF090490.D
Acq: 10 Oct 2016 20:08

Tgt Ion:165 Resp: 44642
Ion Ratio Lower Upper
165 100
63 48.3 17.8 26.6#
89 28.7 33.2 49.8#
182 19.1 2.1 3.1#

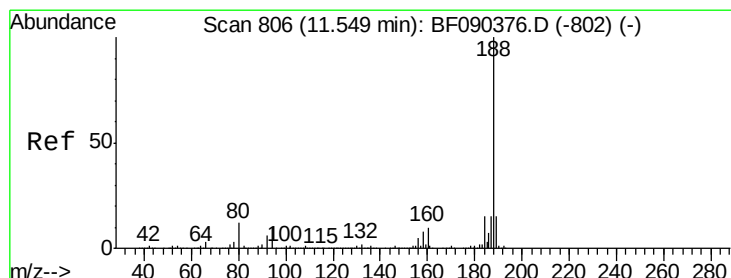
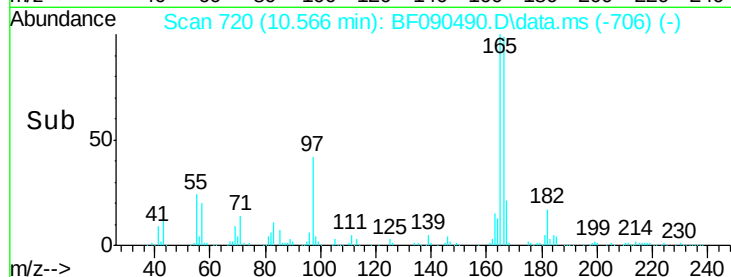
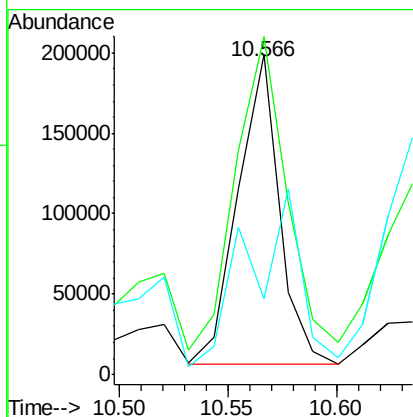
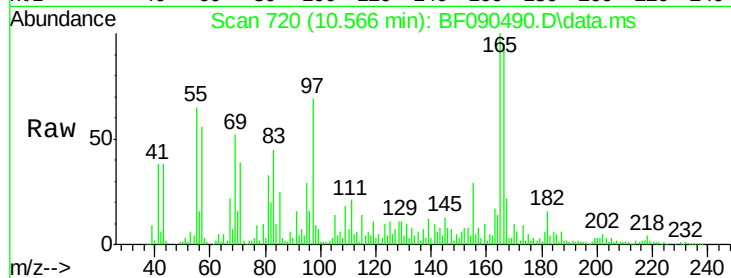




#57
Fluorene
 Concen: 7.32 ng
 RT: 10.566 min Scan# 72
 Delta R.T. -0.034 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

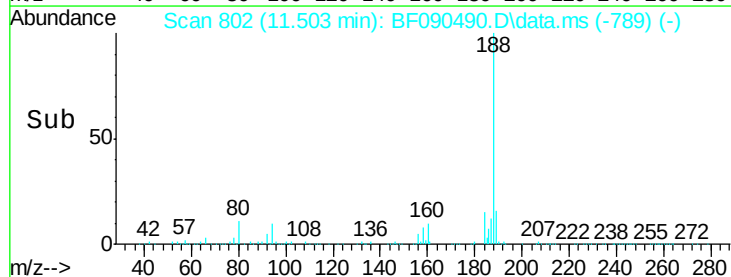
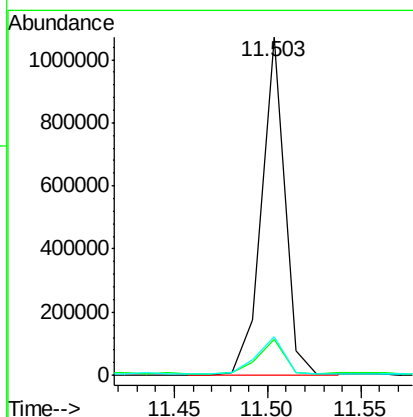
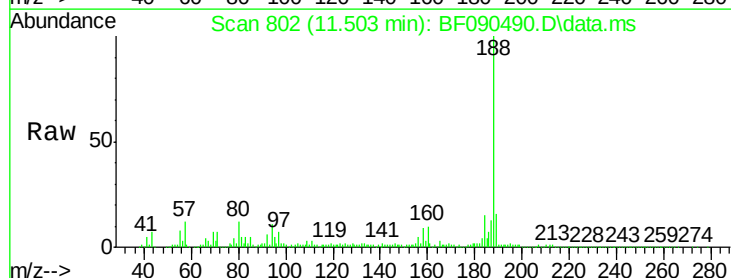
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

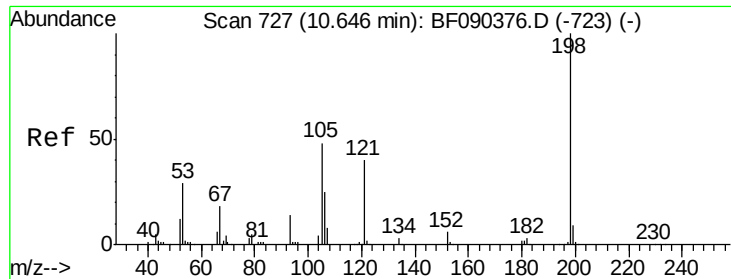
Tot Ion:166 Resp: 253000
 Ion Ratio Lower Upper
 166 100
 165 105.7 79.2 118.8
 167 23.6 11.1 16.7#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.503 min Scan# 802
 Delta R.T. -0.046 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

Tgt Ion:188 Resp: 912711
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.2 12.2
 80 11.6 8.8 13.2

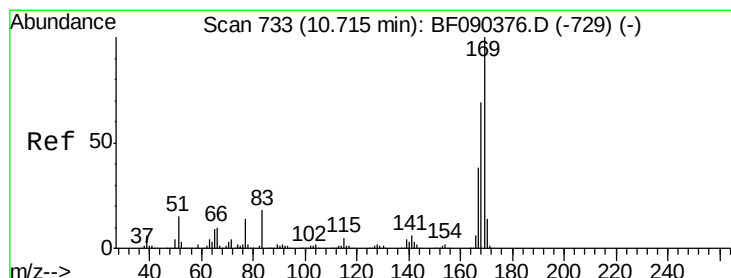
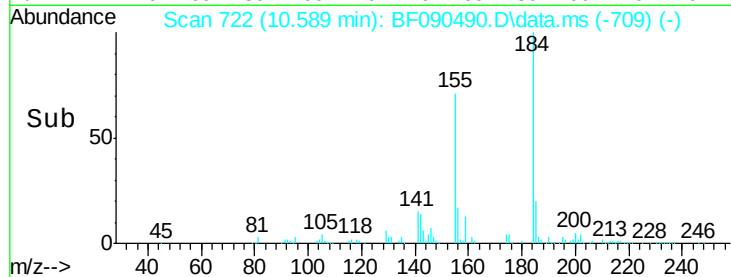
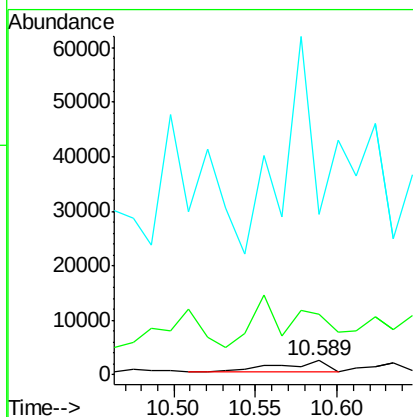
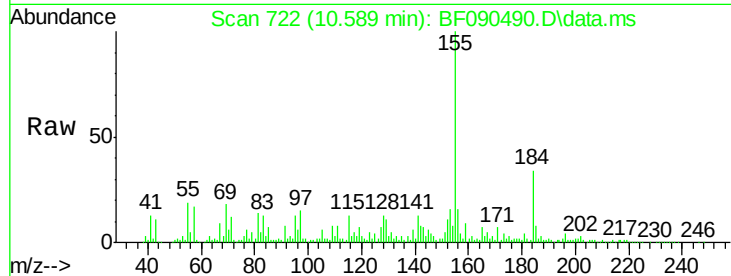




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.02 ng
 RT: 10.589 min Scan# 72
 Delta R.T. -0.057 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

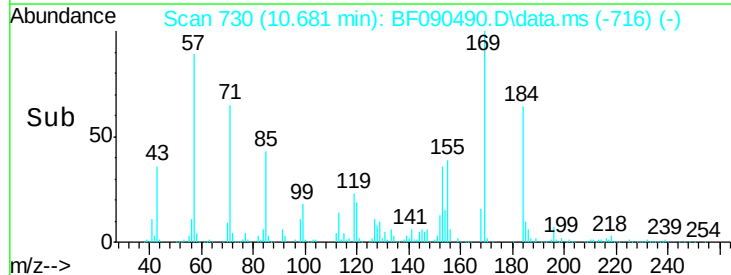
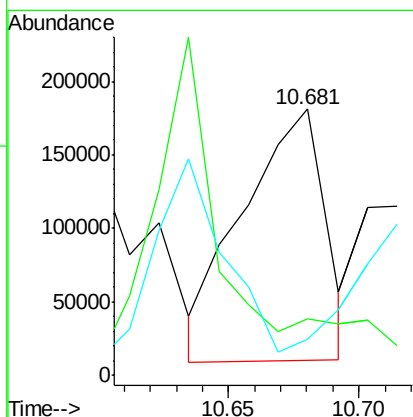
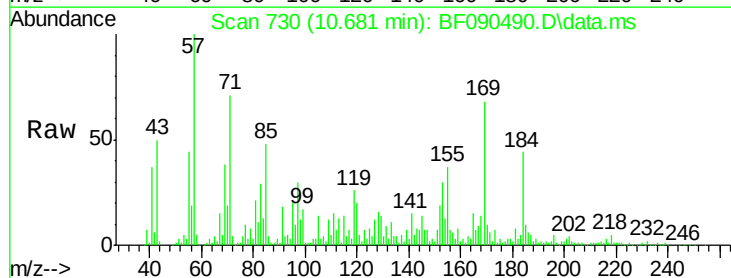
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

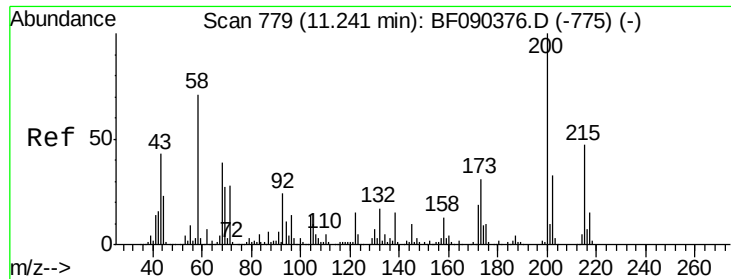
Tot Ion:198 Resp: 4083
 Ion Ratio Lower Upper
 198 100
 51 440.0 67.3 107.3#
 105 1168.8 42.6 82.6#



#65
 n-Nitrosodiphenylamine
 Concen: 12.36 ng
 RT: 10.681 min Scan# 730
 Delta R.T. -0.034 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

Tgt Ion:169 Resp: 378094
 Ion Ratio Lower Upper
 169 100
 168 21.0 53.8 80.6#
 167 13.7 29.8 44.8#





#68

Atrazine

Concen: 2.94 ng

RT: 11.195 min Scan# 77

Delta R.T. -0.046 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

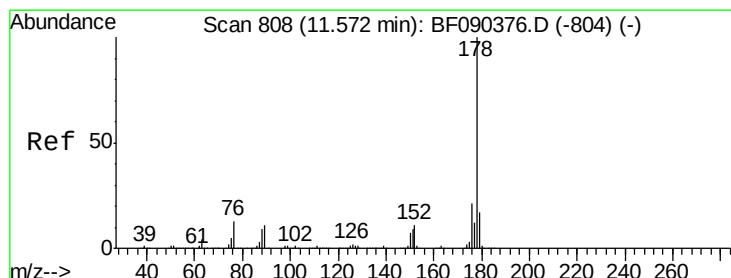
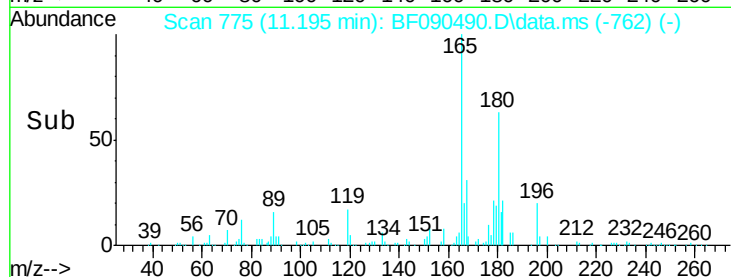
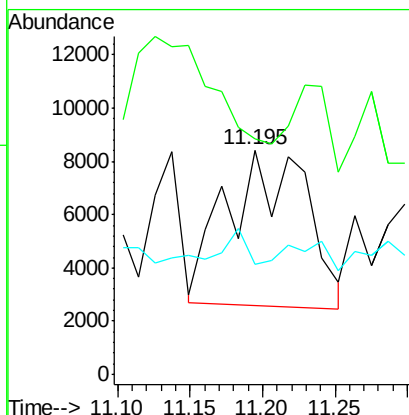
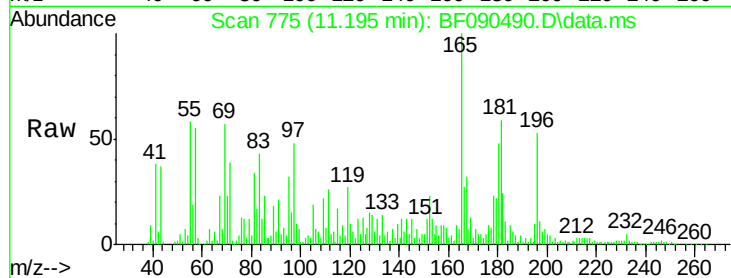
Tot Ion:200 Resp: 22177

Ion Ratio Lower Upper

200 100

173 104.9 9.0 49.0#

215 49.4 24.8 64.8



#70

Phenanthrene

Concen: 15.99 ng

RT: 11.526 min Scan# 804

Delta R.T. -0.046 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

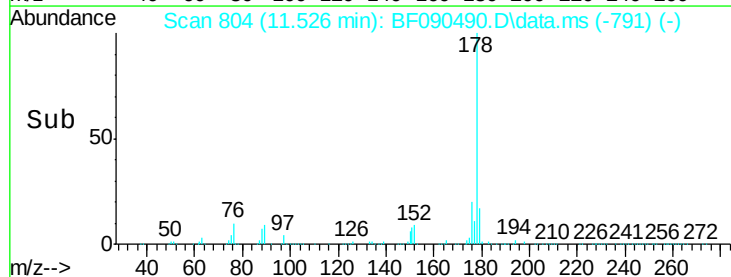
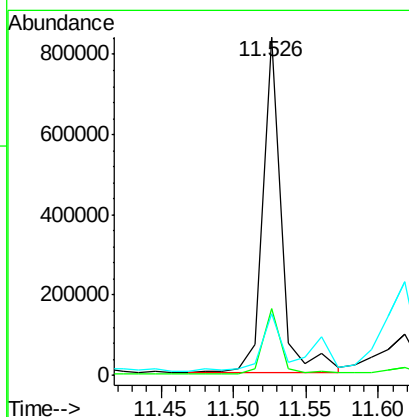
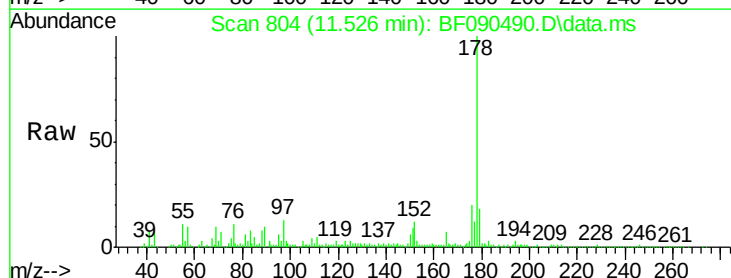
Tgt Ion:178 Resp: 747214

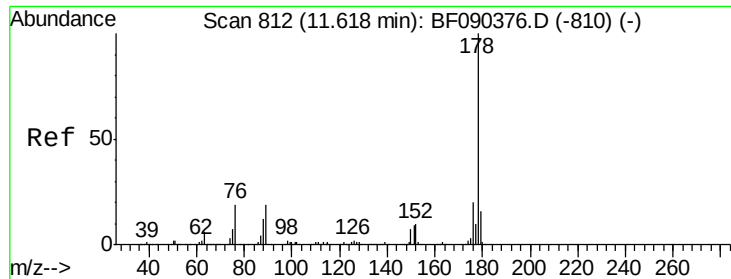
Ion Ratio Lower Upper

178 100

176 19.8 17.3 25.9

179 18.2 13.8 20.6

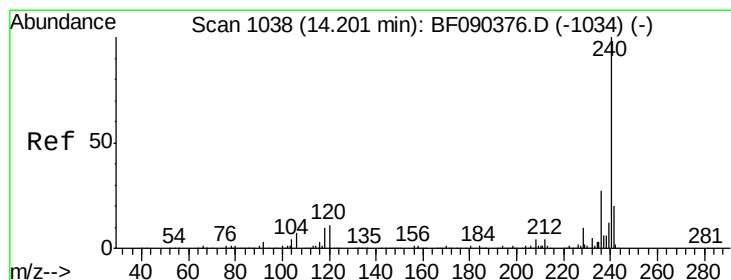
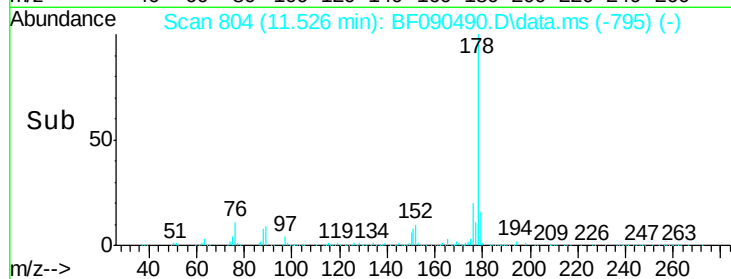
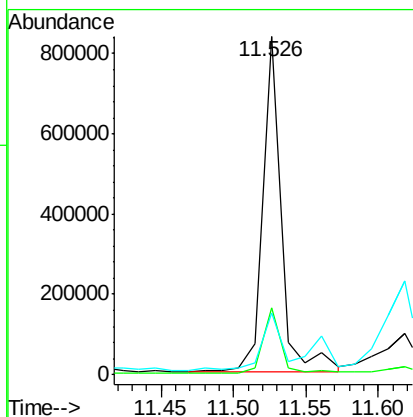
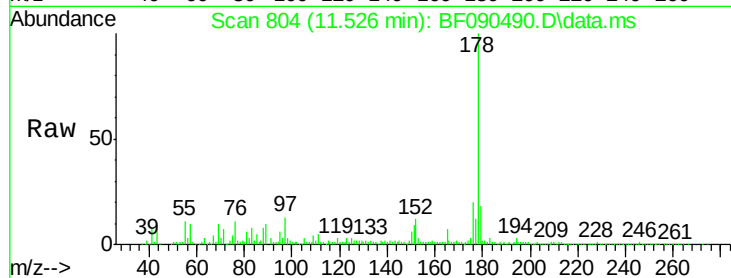




#71
 Anthracene
 Concen: 15.66 ng
 RT: 11.526 min Scan# 80
 Delta R.T. -0.092 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

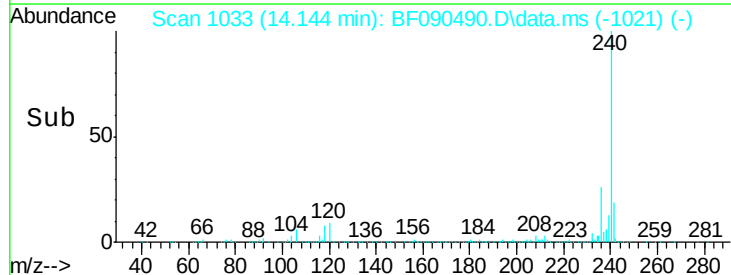
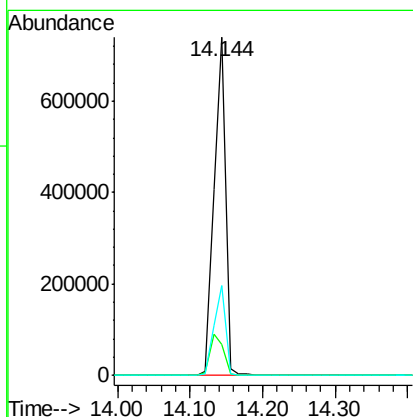
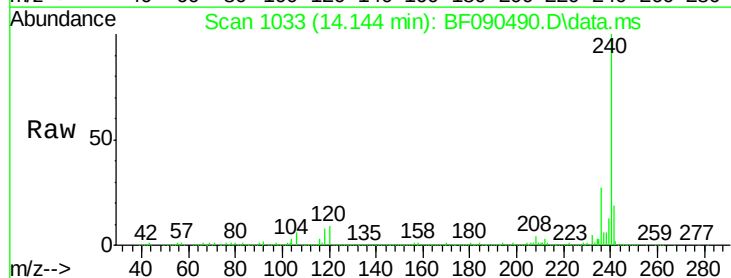
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

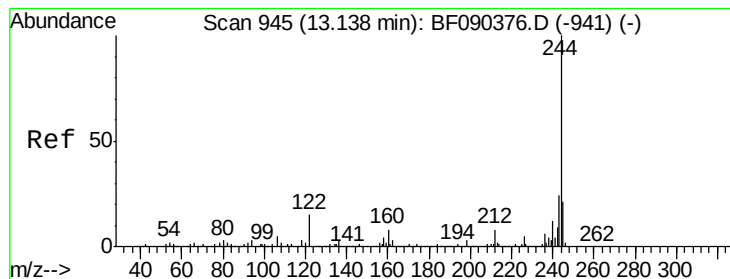
Tot Ion:178 Resp: 747214
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.8 25.2
 179 18.2 13.4 20.2



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.144 min Scan# 1033
 Delta R.T. -0.057 min
 Lab File: BF090490.D
 Acq: 10 Oct 2016 20:08

Tgt Ion:240 Resp: 812029
 Ion Ratio Lower Upper
 240 100
 120 9.2 8.6 13.0
 236 26.5 21.6 32.4





#78

Terphenyl-d14

Concen: 6.76 ng

RT: 13.081 min Scan# 94

Delta R.T. -0.057 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Instrument :

BNA_F

ClientSampleId :

T-6DL

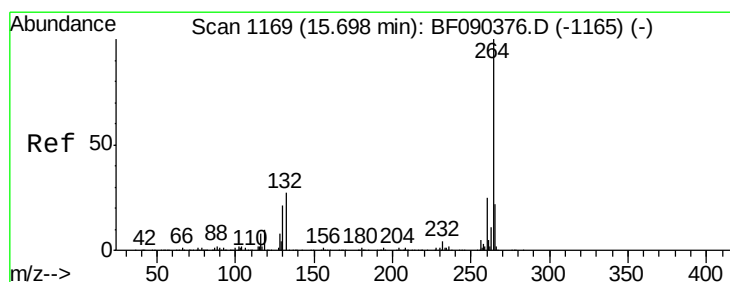
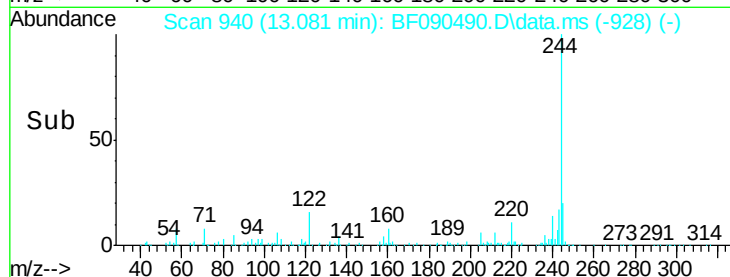
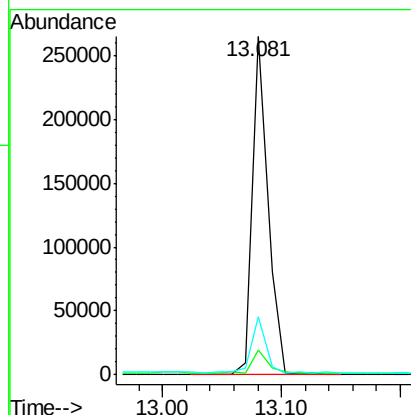
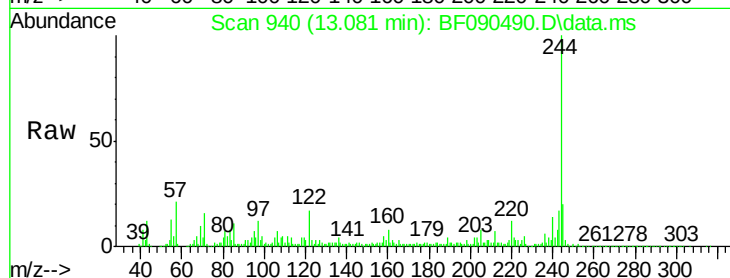
Tot Ion:244 Resp: 244256

Ion Ratio Lower Upper

244 100

212 7.3 6.8 10.2

122 17.0 13.3 19.9



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.618 min Scan# 1162

Delta R.T. -0.080 min

Lab File: BF090490.D

Acq: 10 Oct 2016 20:08

Tgt Ion:264 Resp: 614838

Ion Ratio Lower Upper

264 100

260 24.7 19.3 28.9

265 21.5 17.4 26.0

