

Data Path : Z:\HPCHEM1\BNA F\Data\BF101016\
 Data File : BF090489.D
 Acq On : 10 Oct 2016 19:41
 Operator : UM/SJ
 Sample : H5140-01DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

Quant Time: Oct 11 11:04:15 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)

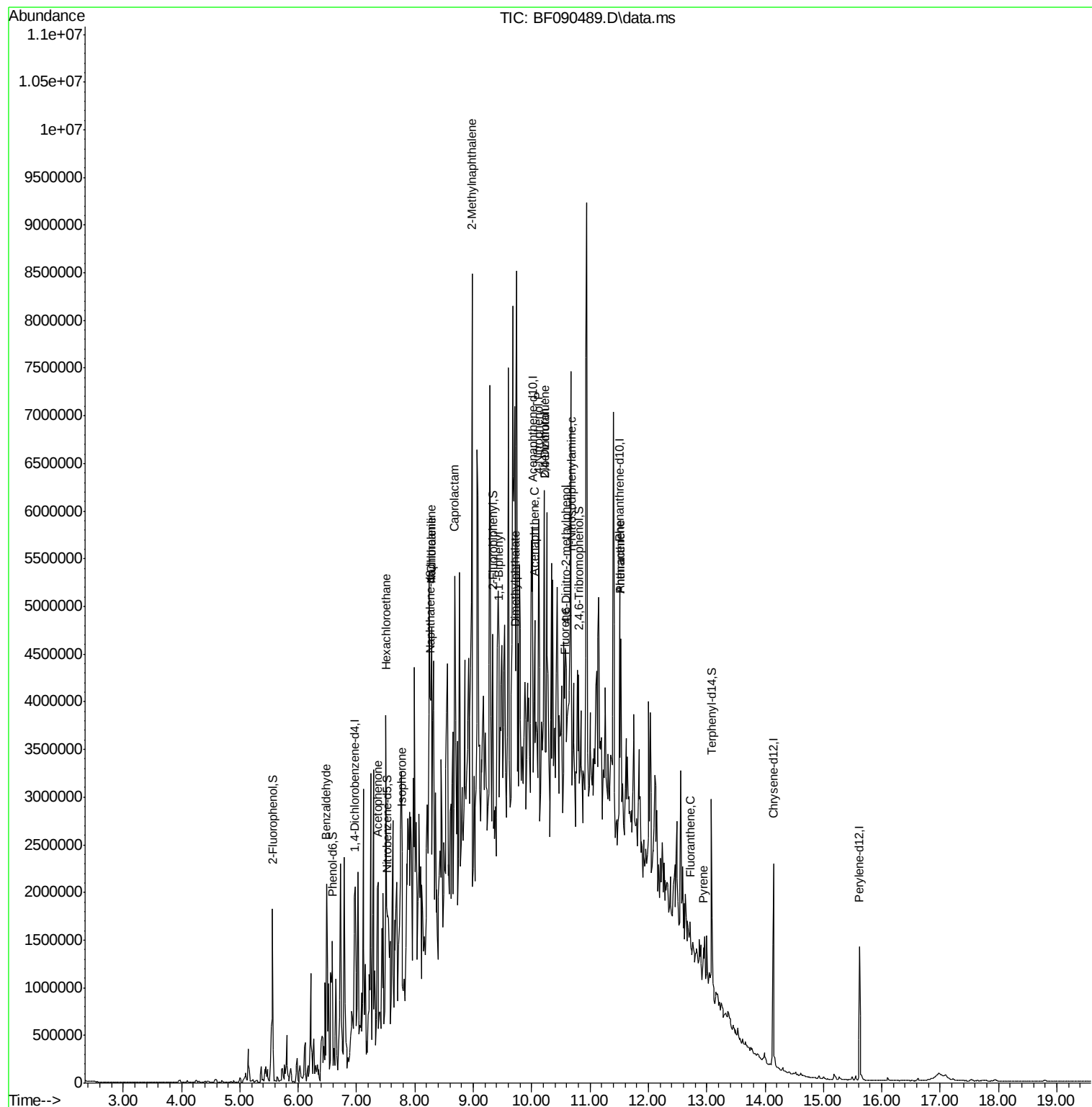
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.966	152	261146	20.00	ng	-0.03
21) Naphthalene-d8	8.258	136	1048505	20.00	ng	-0.03
38) Acenaphthene-d10	10.018	164	577476	20.00	ng	-0.03
63) Phenanthrene-d10	11.504	188	901505	20.00	ng	-0.05
75) Chrysene-d12	14.144	240	838194	20.00	ng	-0.06
86) Perylene-d12	15.618	264	609311	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.560	112	425402	24.31	ng	-0.04
7) Phenol-d6	6.589	99	632807	27.61	ng	-0.03
23) Nitrobenzene-d5	7.526	82	412318	19.13	ng	-0.05
41) 2,4,6-Tribromophenol	10.806	330	131985	28.11	ng	-0.05
44) 2-Fluorobiphenyl	9.332	172	679082	19.59	ng	-0.05
78) Terphenyl-d14	13.081	244	617838	16.57	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.486	77	83116	7.17	ng	# 1
18) Hexachloroethane	7.503	117	155705	20.26	ng	# 1
22) Acetophenone	7.366	105	375359	15.11	ng	# 52
25) Isophorone	7.777	82	119510	3.03	ng	# 1
31) Naphthalene	8.280	128	1234643	24.41	ng	98
33) 4-Chloroaniline	8.280	127	227260	10.87	ng	# 40
35) Caprolactam	8.680	113	135674	29.63	ng	# 67
37) 2-Methylnaphthalene	8.978	142	2277516	74.38	ng	98
45) 1,1'-Biphenyl	9.435	154	392415	9.17	ng	94
49) Dimethylphthalate	9.720	163	246178	6.66	ng	# 95
51) Acenaphthene	10.052	154	85262	2.62	ng	# 22
54) Dibenzofuran	10.223	168	157033	3.73	ng	# 1
55) 4-Nitrophenol	10.121	139	71950	8.57	ng	# 50
56) 2,4-Dinitrotoluene	10.223	165	68404	6.26	ng	# 66
57) Fluorene	10.566	166	261092	7.38	ng	# 91
64) 4,6-Dinitro-2-methylph...	10.589	198	4990	6.16	ng	# 1
65) n-Nitrosodiphenylamine	10.681	169	522200	17.29	ng	# 51
70) Phenanthrene	11.526	178	775595	16.80	ng	96
71) Anthracene	11.526	178	775595	16.45	ng	96
74) Fluoranthene	12.715	202	90670	2.00	ng	95
77) Pyrene	12.944	202	163713	2.93	ng	96

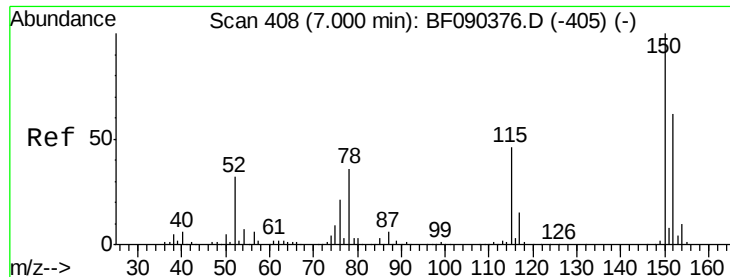
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.966 min Scan# 40

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

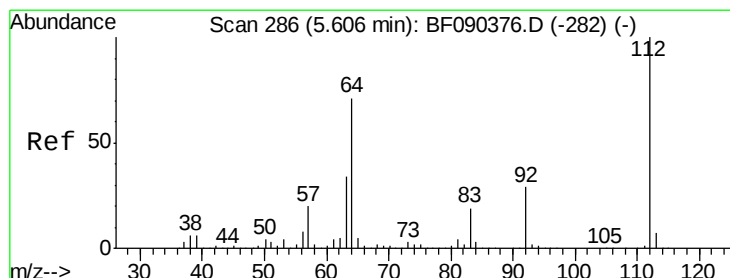
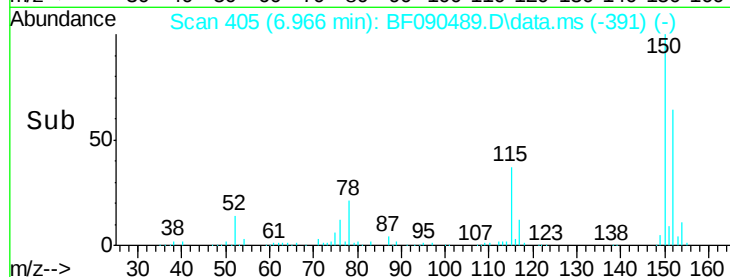
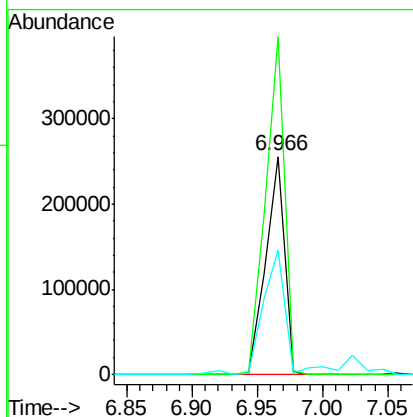
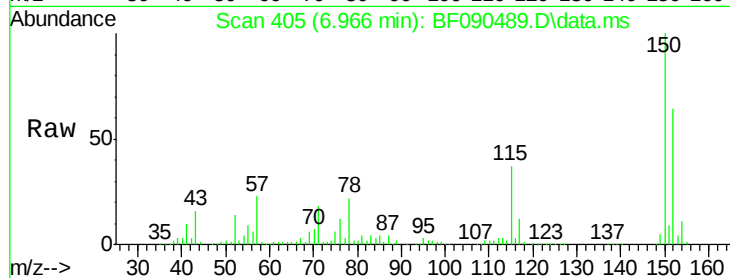
Tot Ion:152 Resp: 261146

Ion Ratio Lower Upper

152 100

150 155.1 124.6 186.8

115 56.9 46.2 69.4



#5

2-Fluorophenol

Concen: 24.31 ng

RT: 5.560 min Scan# 282

Delta R.T. -0.045 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

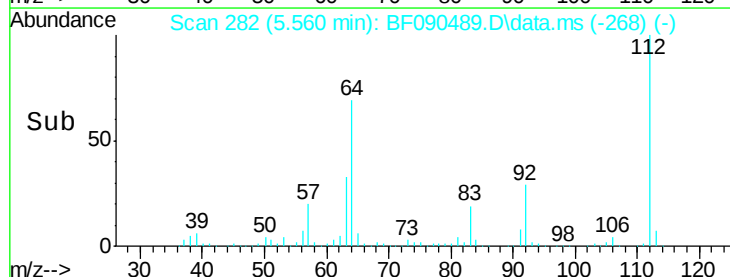
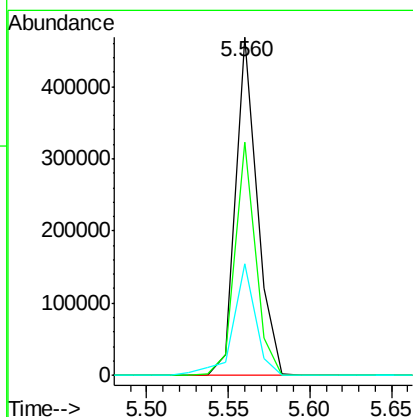
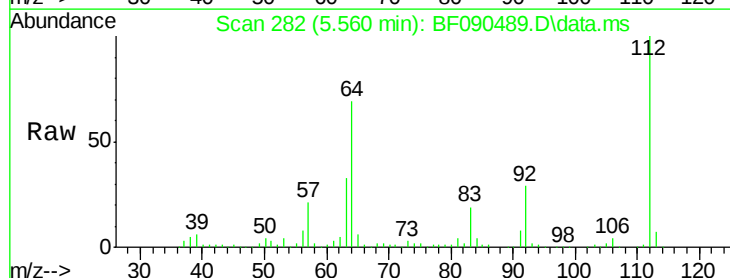
Tgt Ion:112 Resp: 425402

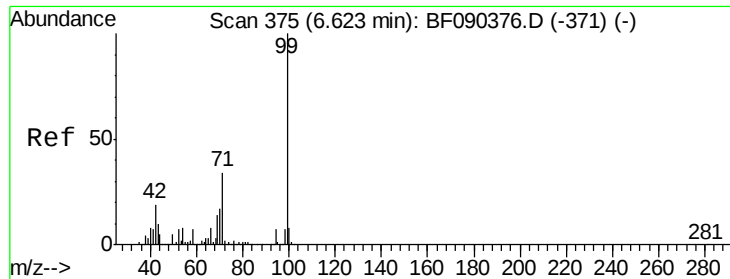
Ion Ratio Lower Upper

112 100

64 68.9 57.9 86.9

63 33.0 29.6 44.4





#7

Phenol-d6

Concen: 27.61 ng

RT: 6.589 min Scan# 37

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

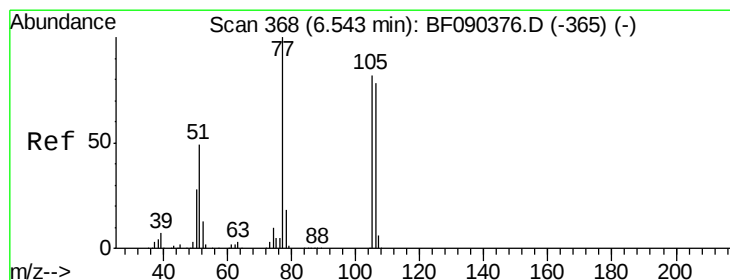
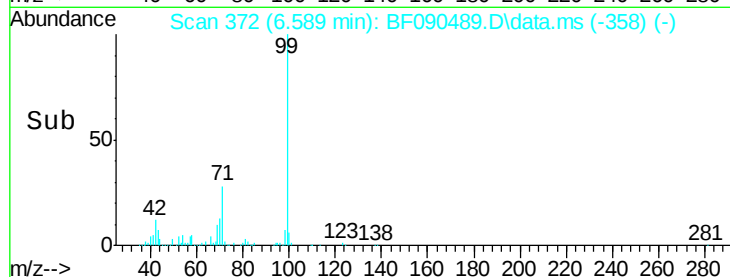
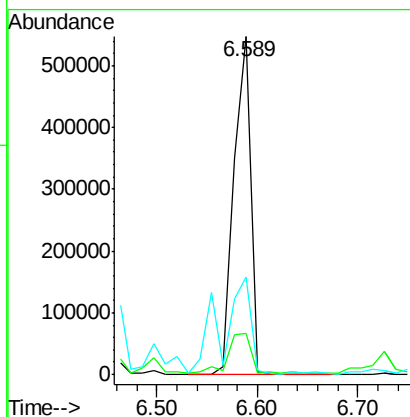
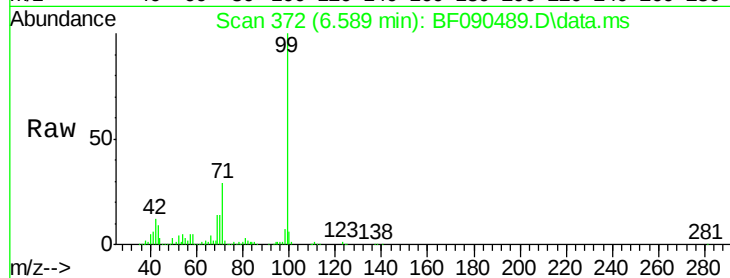
Tot Ion: 99 Resp: 632807

Ion Ratio Lower Upper

99 100

42 12.1 20.0 30.0#

71 28.7 27.9 41.9



#9

Benzaldehyde

Concen: 7.17 ng

RT: 6.486 min Scan# 363

Delta R.T. -0.057 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

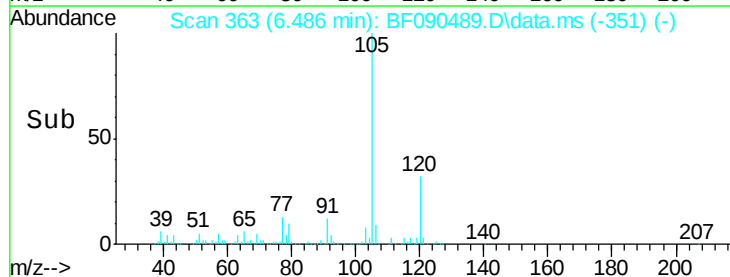
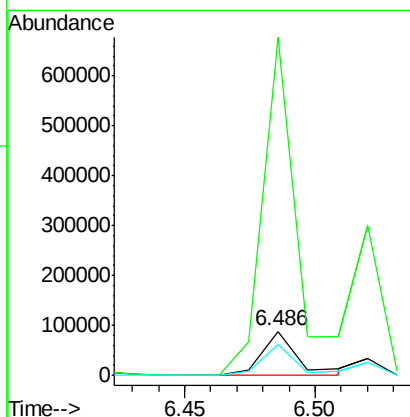
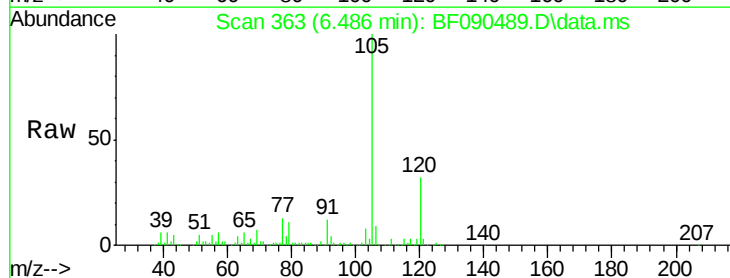
Tgt Ion: 77 Resp: 83116

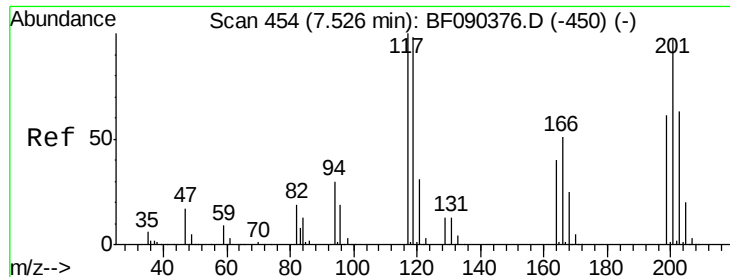
Ion Ratio Lower Upper

77 100

105 764.9 73.1 113.1#

106 70.0 70.2 110.2#





#18

Hexachloroethane

Concen: 20.26 ng

RT: 7.503 min Scan# 45

Delta R.T. -0.023 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

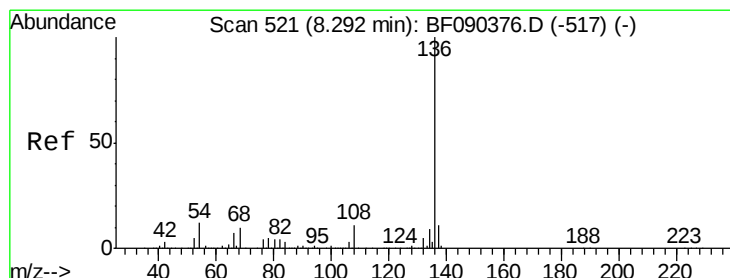
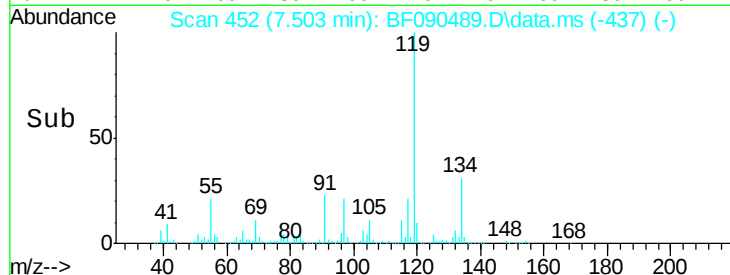
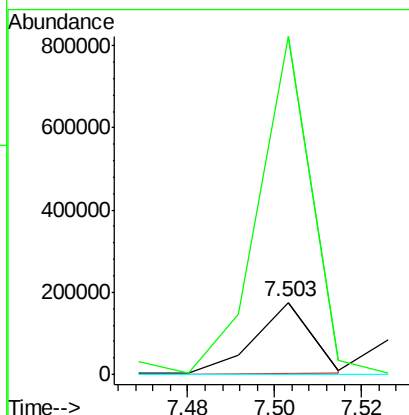
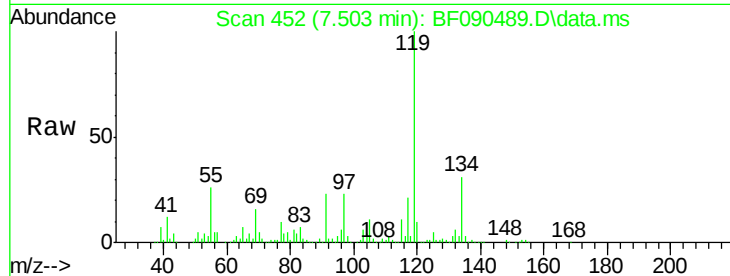
Tot Ion:117 Resp: 155705

Ion Ratio Lower Upper

117 100

119 469.7 75.9 113.9#

201 0.0 66.5 99.7#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.258 min Scan# 518

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Tgt Ion:136 Resp: 1048505

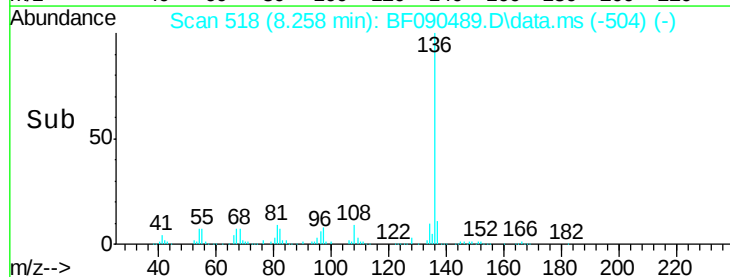
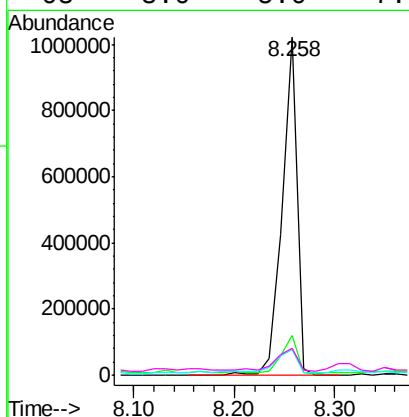
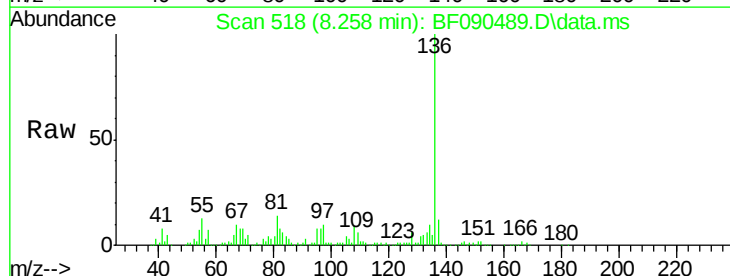
Ion Ratio Lower Upper

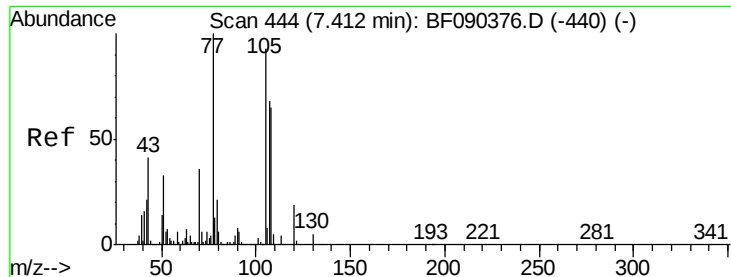
136 100

137 11.9 9.0 13.6

54 7.4 6.6 10.0

68 8.0 5.0 7.6#





#22

Acetophenone

Concen: 15.11 ng

RT: 7.366 min Scan# 44

Delta R.T. -0.046 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

Tot Ion:105 Resp: 375359

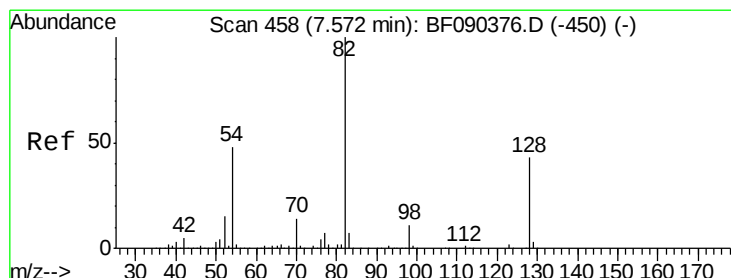
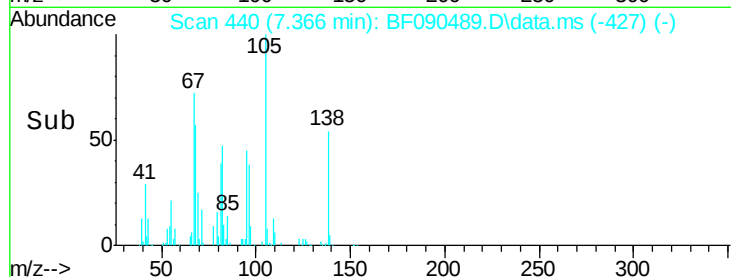
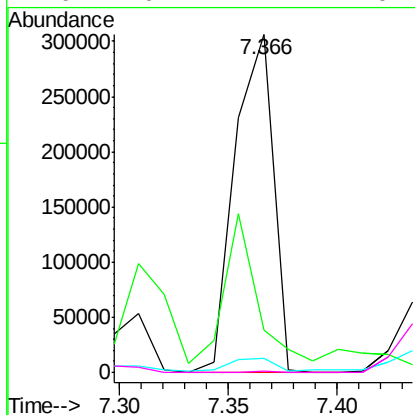
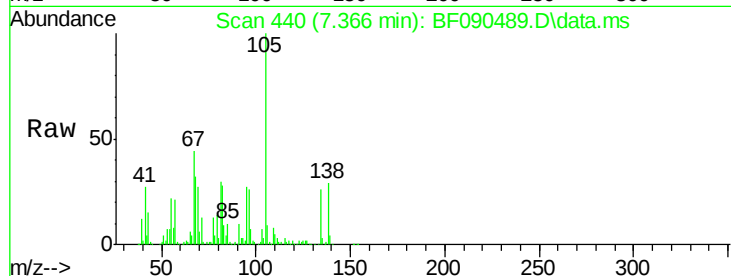
Ion Ratio Lower Upper

105 100

71 12.7 3.8 5.6#

51 4.1 28.2 42.4#

120 0.2 17.4 26.2#



#23

Nitrobenzene-d5

Concen: 19.13 ng

RT: 7.526 min Scan# 454

Delta R.T. -0.046 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

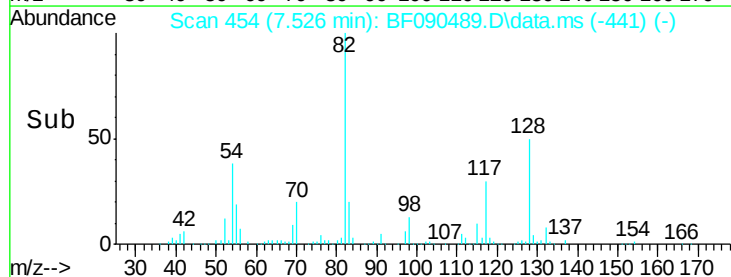
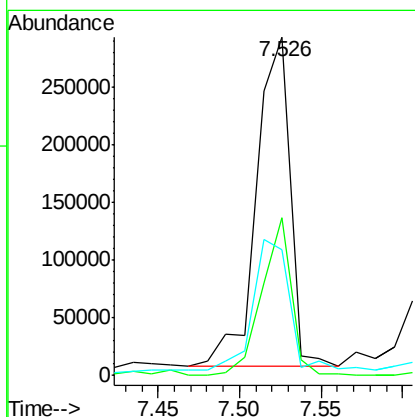
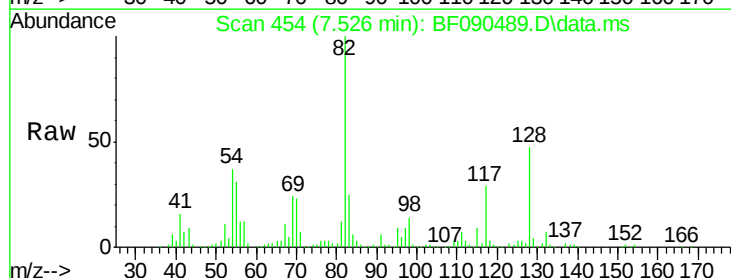
Tgt Ion: 82 Resp: 412318

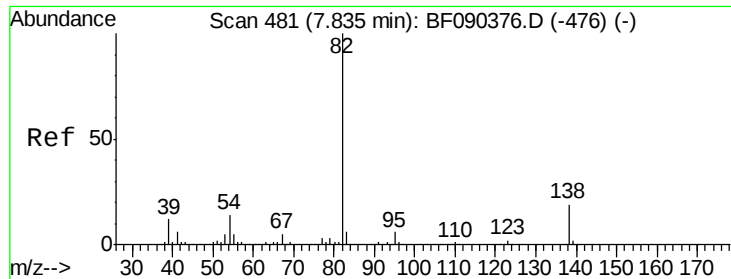
Ion Ratio Lower Upper

82 100

128 46.8 40.0 60.0

54 37.1 42.6 64.0#





#25

Isophorone

Concen: 3.03 ng

RT: 7.777 min Scan# 47

Delta R.T. -0.057 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

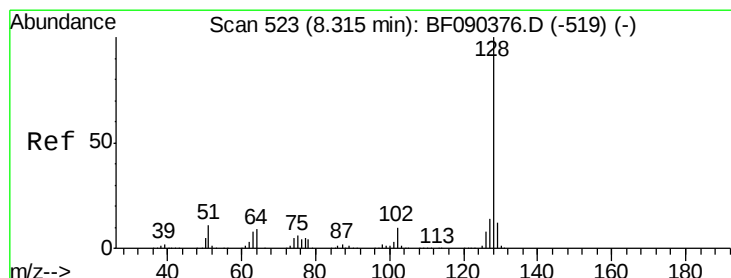
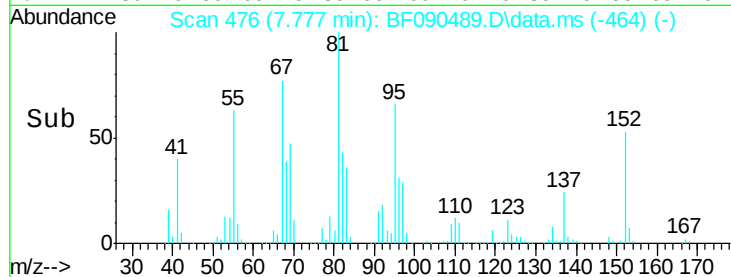
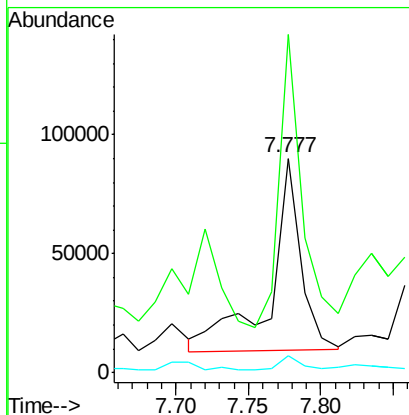
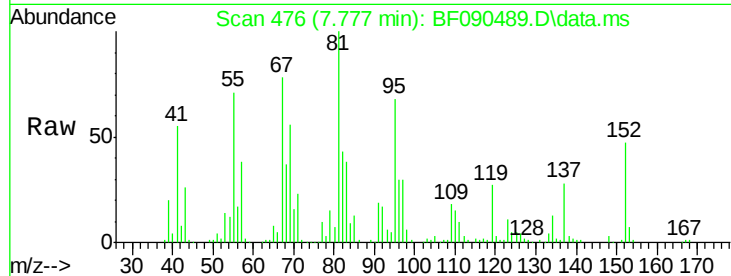
Tot Ion: 82 Resp: 119510

Ion Ratio Lower Upper

82 100

95 157.8 5.2 7.8#

138 7.9 13.0 19.4#



#31

Naphthalene

Concen: 24.41 ng

RT: 8.280 min Scan# 520

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

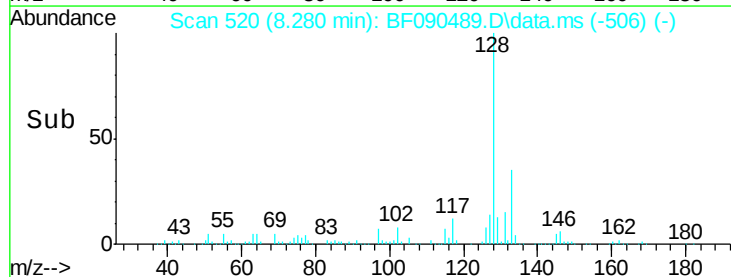
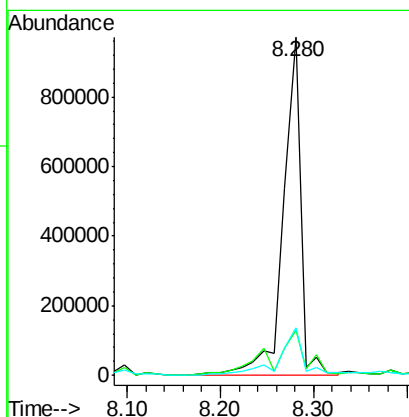
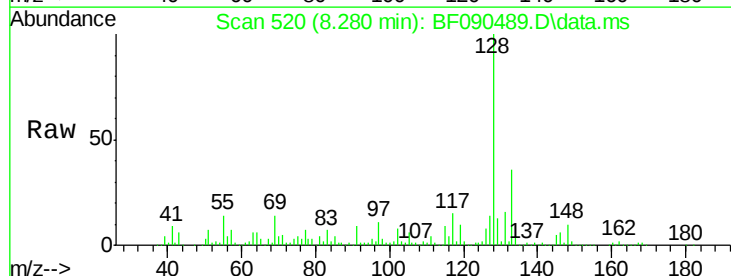
Tgt Ion:128 Resp: 1234643

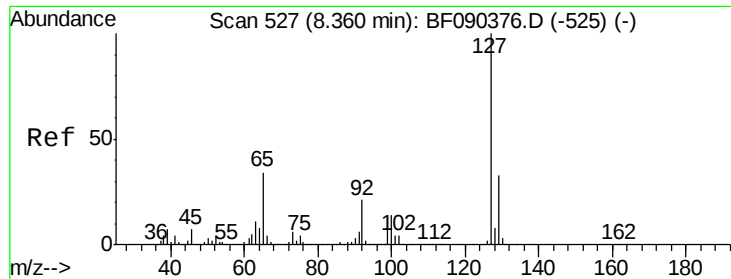
Ion Ratio Lower Upper

128 100

129 13.4 9.7 14.5

127 14.2 11.7 17.5

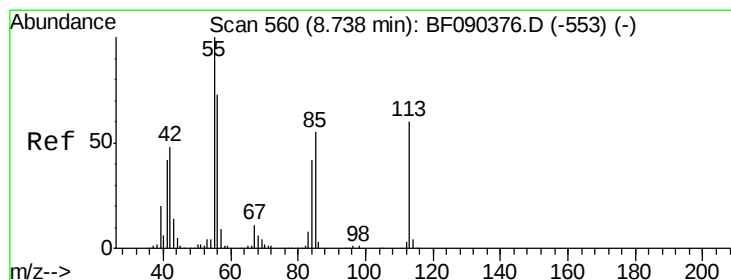
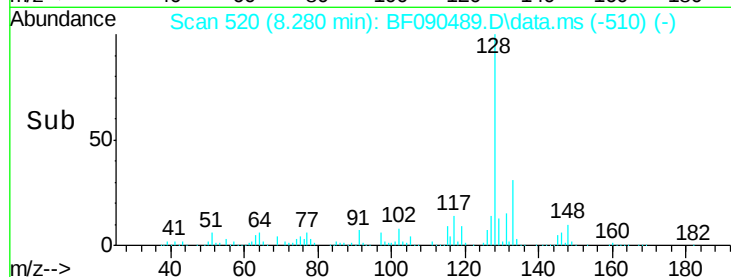
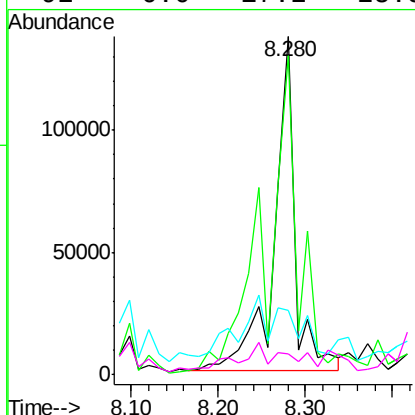
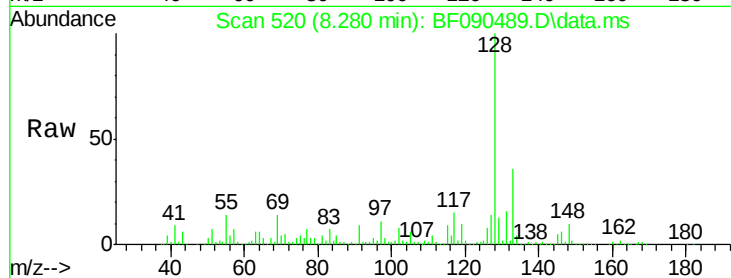




#33
4-Chloroaniline
Concen: 10.87 ng
RT: 8.280 min Scan# 52
Delta R.T. -0.080 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

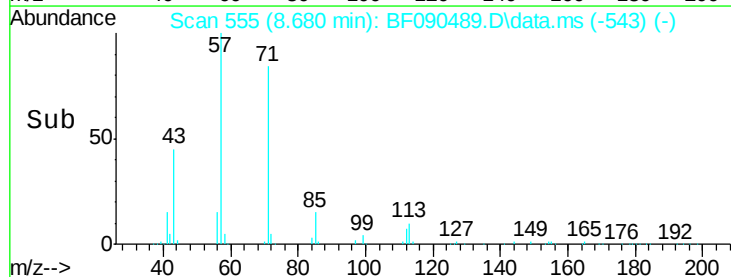
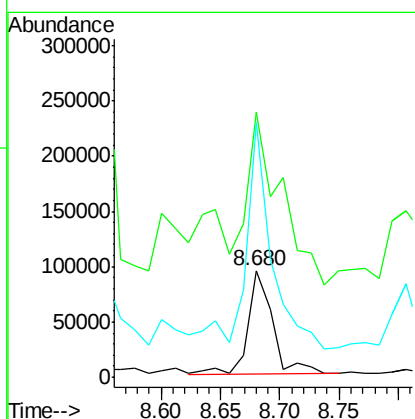
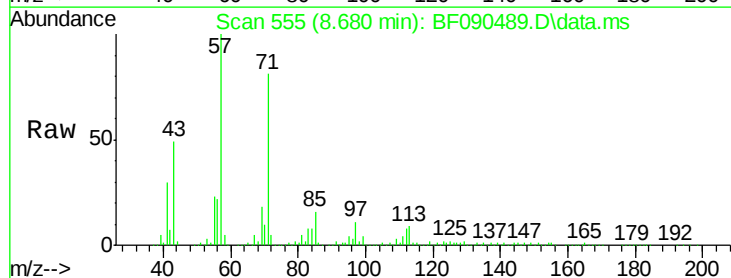
Instrument :
BNA_F
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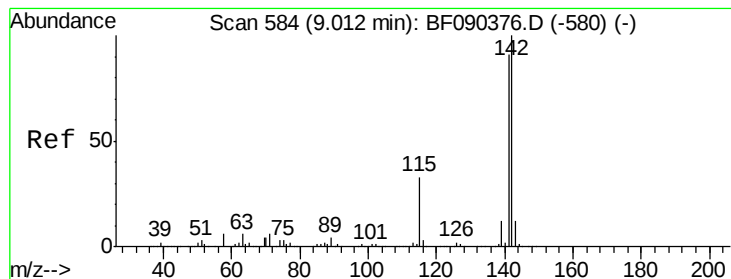
Tot Ion:127	Resp:	227260
Ion Ratio	Lower	Upper
127	100	
129	94.4	26.2 39.4#
65	19.1	32.5 48.7#
92	6.0	17.2 25.8#



#35
Caprolactam
Concen: 29.63 ng
RT: 8.680 min Scan# 555
Delta R.T. -0.057 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion:113	Resp:	135674
Ion Ratio	Lower	Upper
113	100	
55	247.4	203.3 243.3#
56	238.5	140.5 180.5#





#37

2-Methylnaphthalene

Concen: 74.38 ng

RT: 8.978 min Scan# 58

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

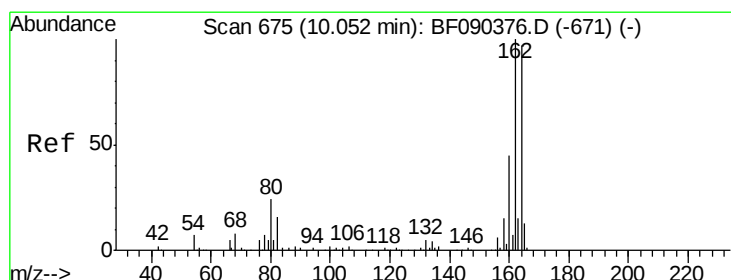
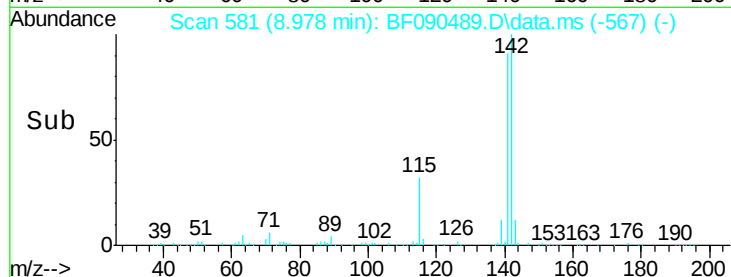
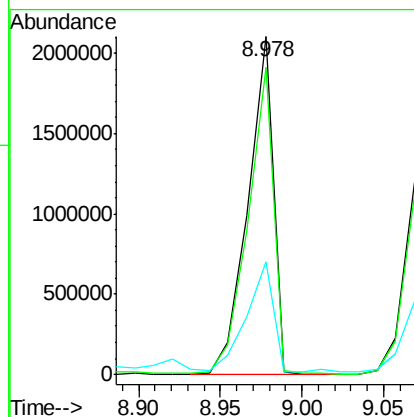
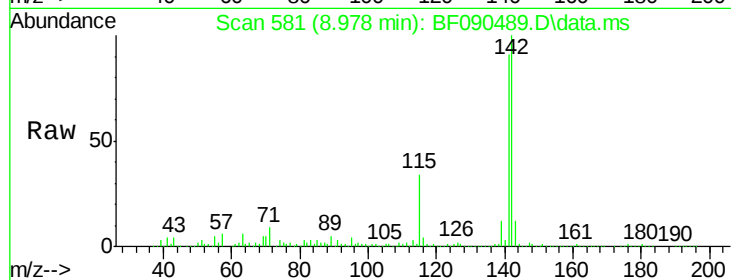
Tot Ion:142 Resp: 2277516

Ion Ratio Lower Upper

142 100

141 90.8 71.8 107.8

115 33.5 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: BF090489.D

Acq: 10 Oct 2016 19:41

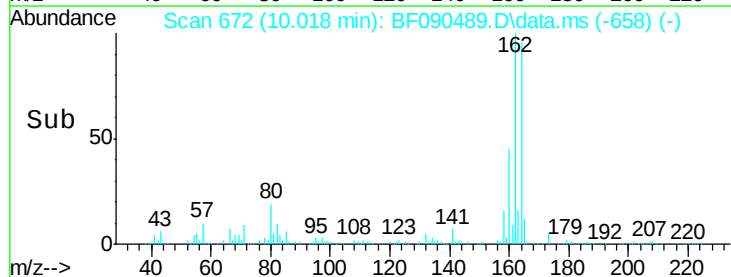
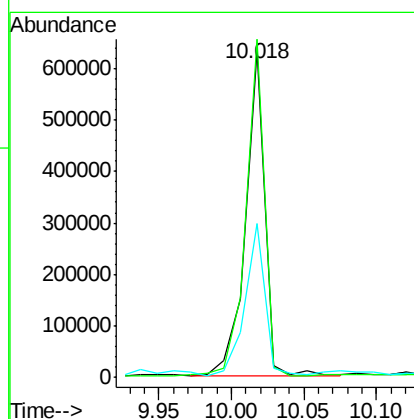
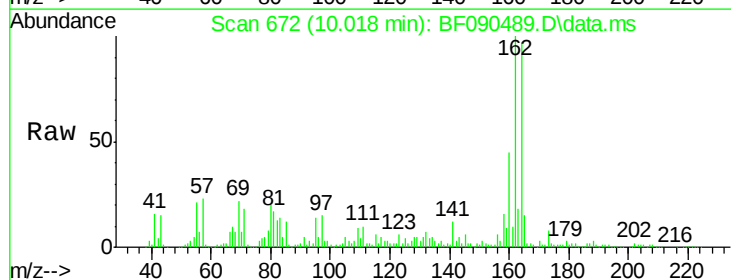
Tgt Ion:164 Resp: 577476

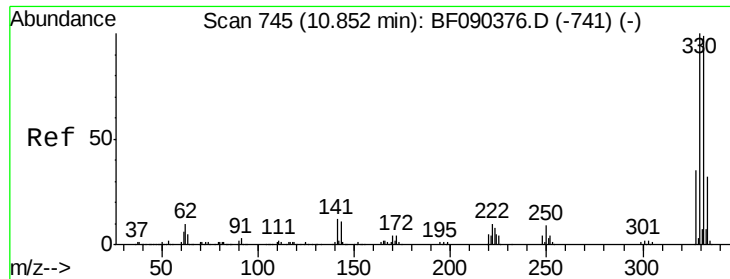
Ion Ratio Lower Upper

164 100

162 103.5 80.1 120.1

160 46.9 36.3 54.5

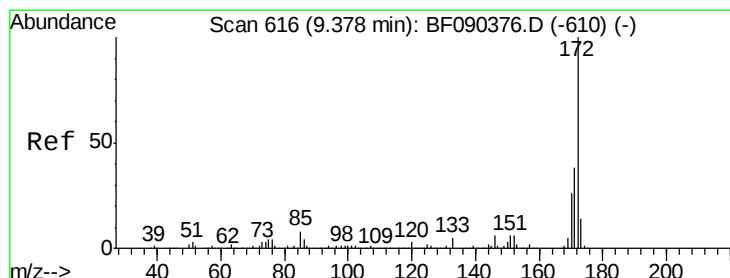
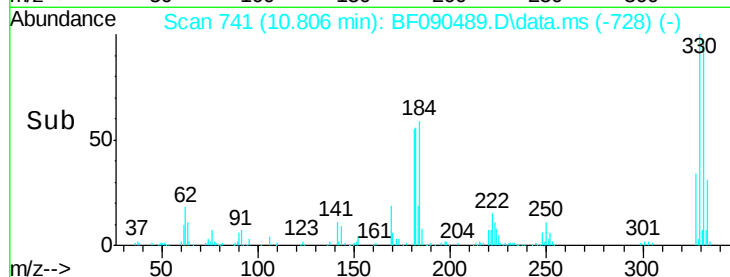
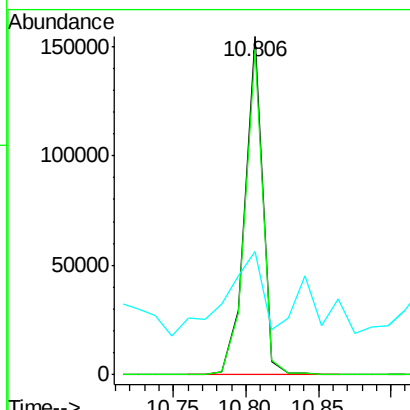
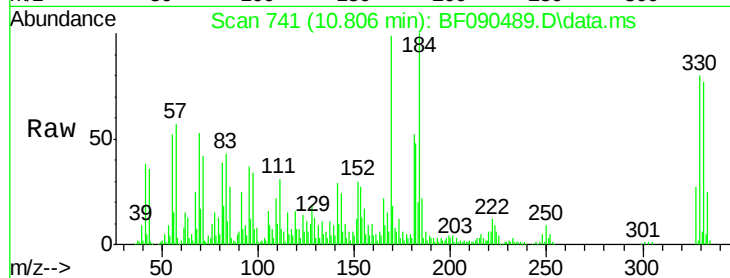




#41
 2,4,6-Tribromophenol
 Concen: 28.11 ng
 RT: 10.806 min Scan# 741
 Delta R.T. -0.046 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

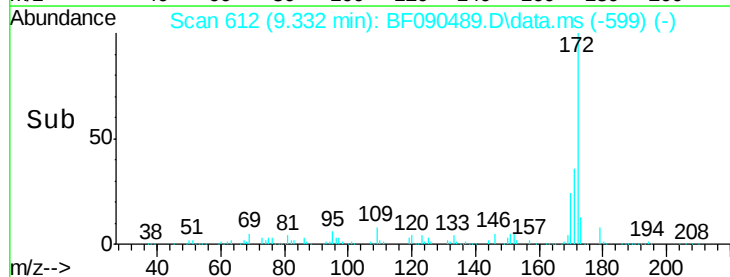
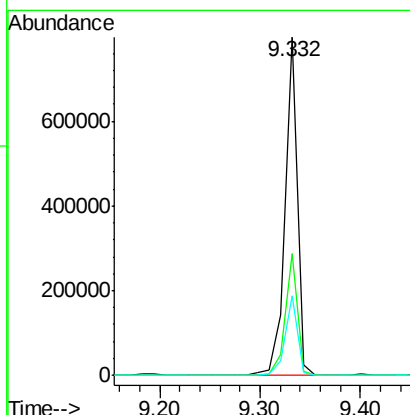
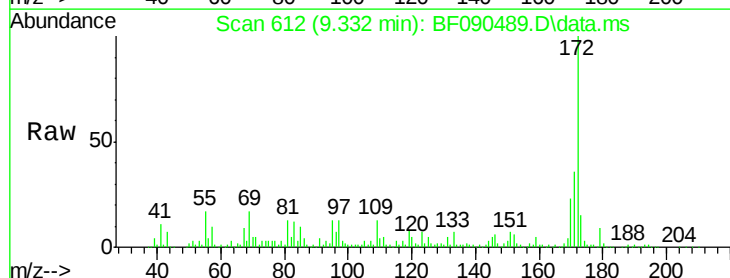
Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

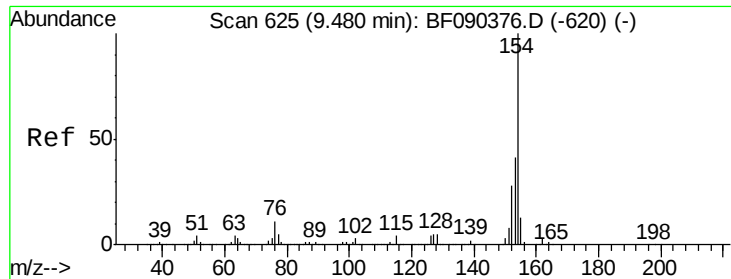
Tot Ion:330 Resp: 131985
 Ion Ratio Lower Upper
 330 100
 332 96.6 75.4 113.0
 141 55.3 26.9 40.3#



#44
 2-Fluorobiphenyl
 Concen: 19.59 ng
 RT: 9.332 min Scan# 612
 Delta R.T. -0.046 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Tgt Ion:172 Resp: 679082
 Ion Ratio Lower Upper
 172 100
 171 35.8 31.8 47.8
 170 23.5 21.7 32.5

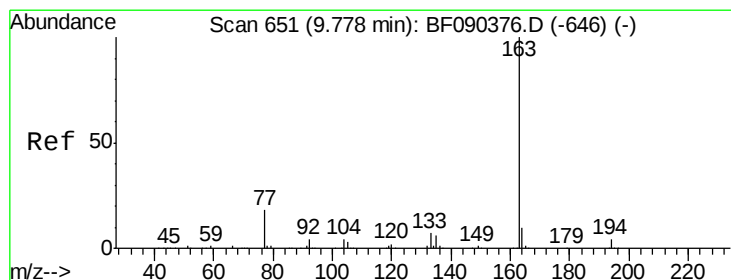
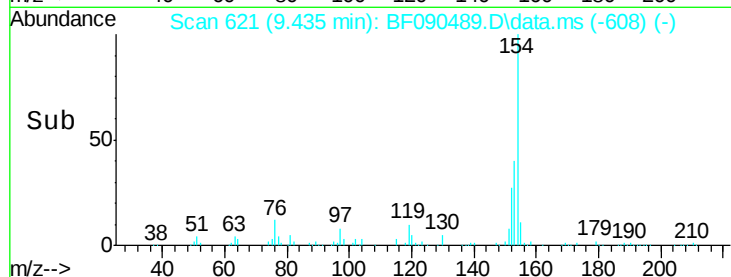
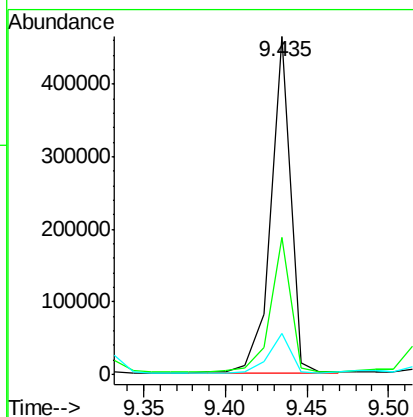
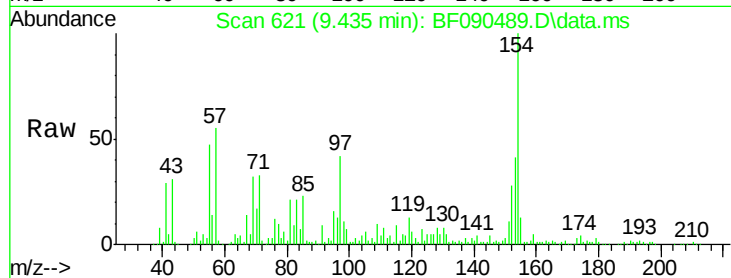




#45
1,1'-Biphenyl
Concen: 9.17 ng
RT: 9.435 min Scan# 62
Delta R.T. -0.046 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

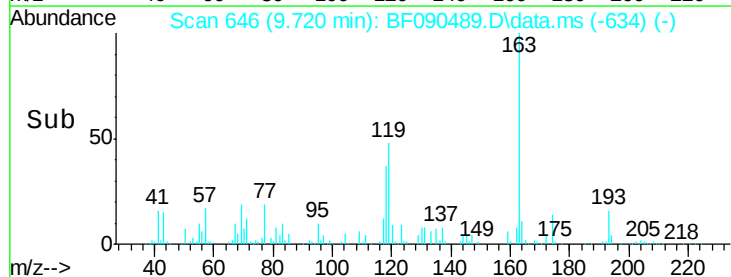
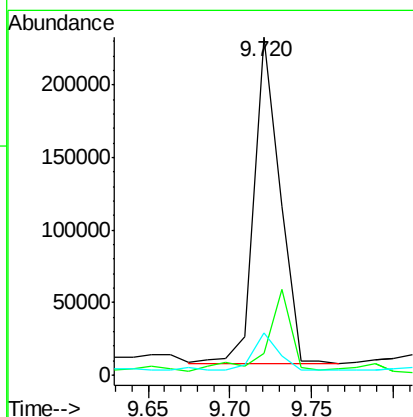
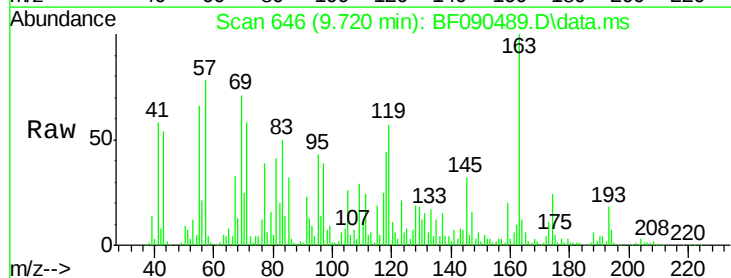
Instrument :
BNA_F
ClientSampleId :
T-5DL

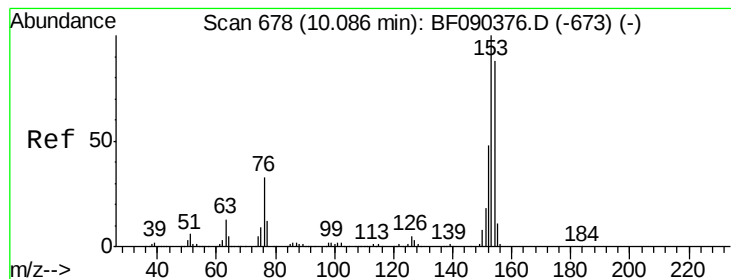
Tot Ion:154	Resp:	392415
Ion Ratio	Lower	Upper
154	100	
153	40.6	23.8 63.8
76	12.3	0.0 35.8



#49
Dimethylphthalate
Concen: 6.66 ng
RT: 9.720 min Scan# 646
Delta R.T. -0.057 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion:163	Resp:	246178
Ion Ratio	Lower	Upper
163	100	
194	6.6	2.8 4.2#
164	12.4	9.0 13.4





#51

Acenaphthene

Concen: 2.62 ng

RT: 10.052 min Scan# 67

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

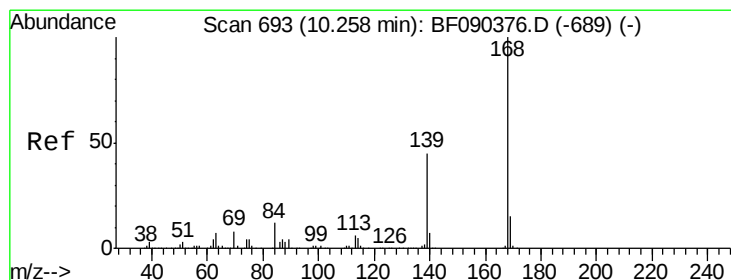
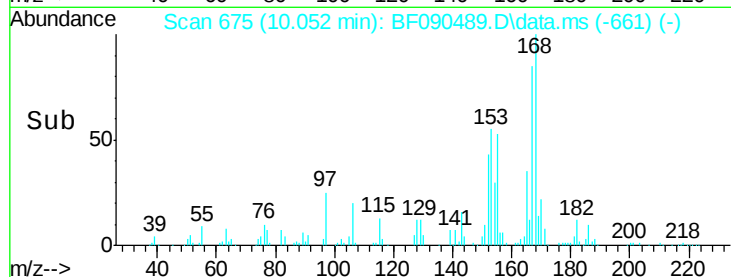
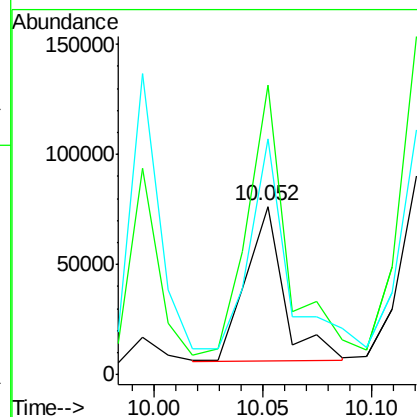
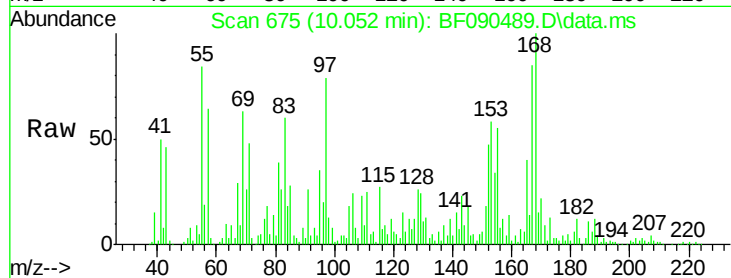
Tot Ion:154 Resp: 85262

Ion Ratio Lower Upper

154 100

153 171.7 88.6 133.0#

152 140.2 42.6 64.0#



#54

Dibenzofuran

Concen: 3.73 ng

RT: 10.223 min Scan# 690

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

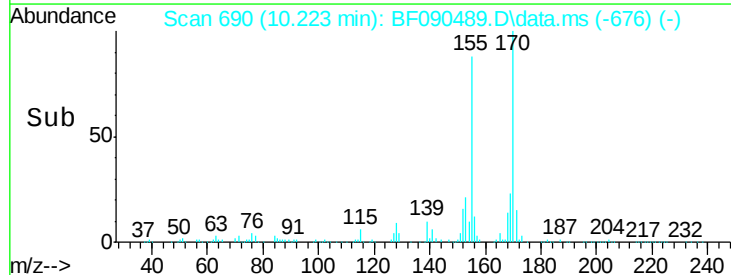
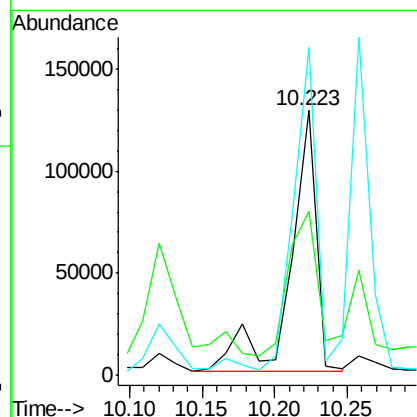
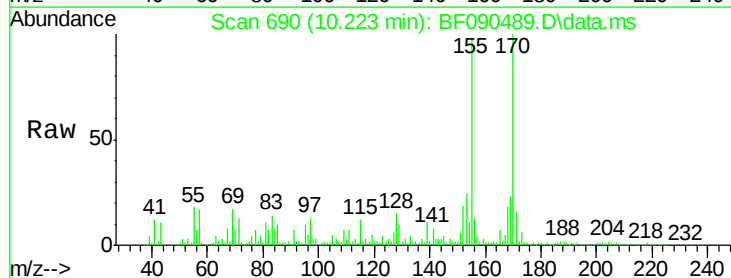
Tgt Ion:168 Resp: 157033

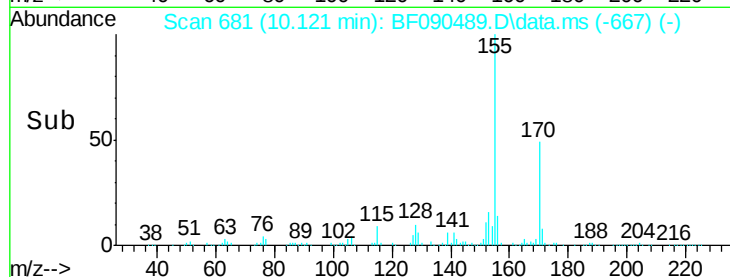
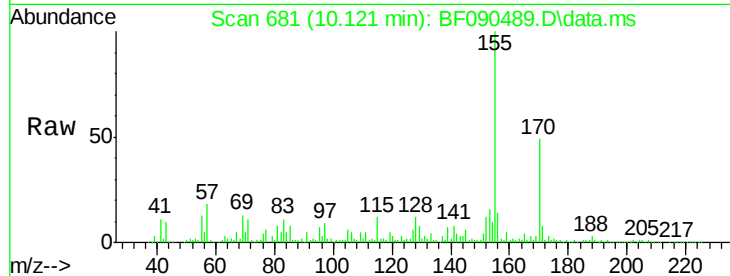
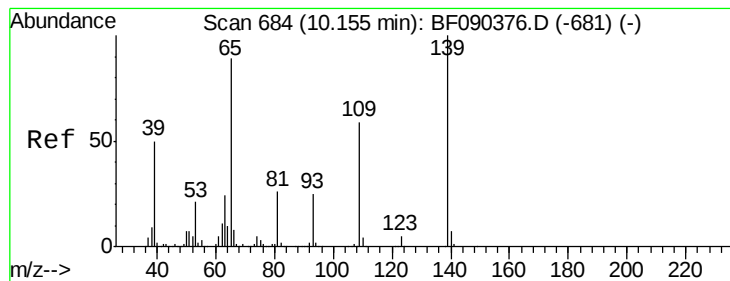
Ion Ratio Lower Upper

168 100

139 62.0 29.6 44.4#

169 123.8 11.3 16.9#





#55

4-Nitrophenol

Concen: 8.57 ng

RT: 10.121 min Scan# 681

Delta R.T. -0.034 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

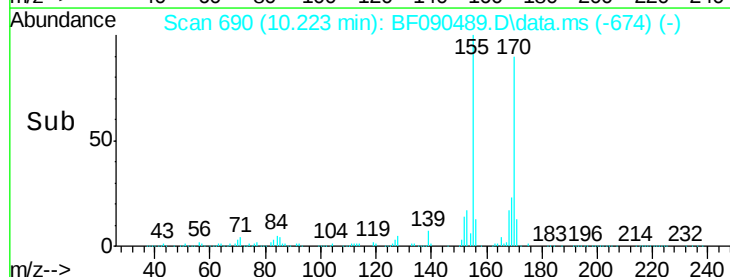
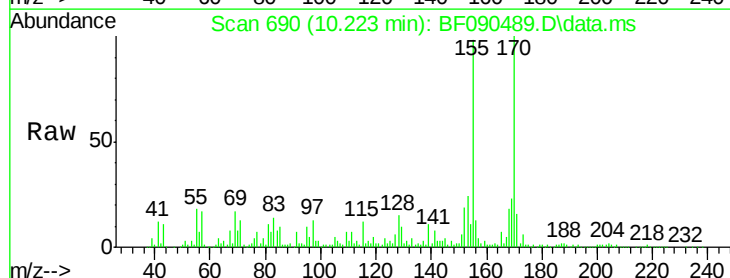
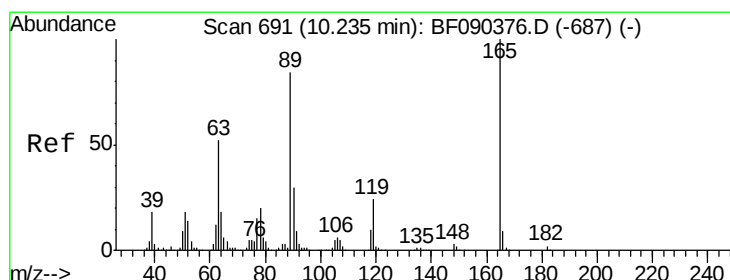
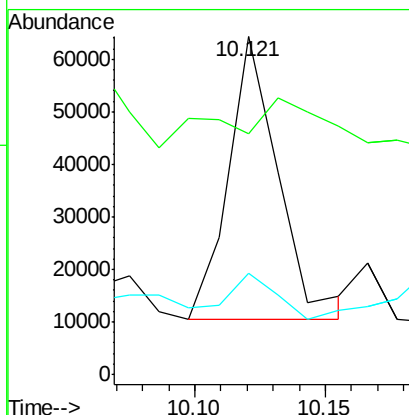
Tot Ion:139 Resp: 71950

Ion Ratio Lower Upper

139 100

109 71.2 43.6 83.6

65 29.9 87.5 127.5#



#56

2,4-Dinitrotoluene

Concen: 6.26 ng

RT: 10.223 min Scan# 690

Delta R.T. -0.011 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Tgt Ion:165 Resp: 68404

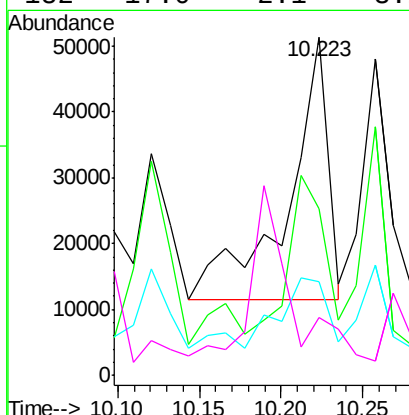
Ion Ratio Lower Upper

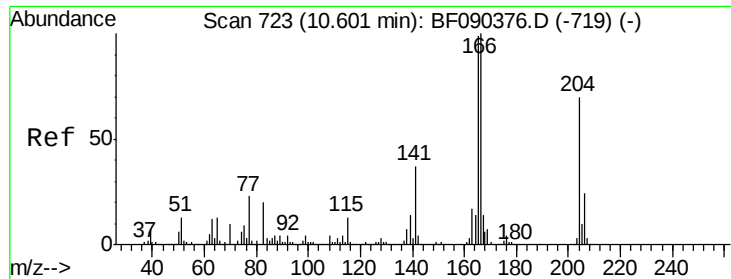
165 100

63 49.2 17.8 26.6#

89 27.8 33.2 49.8#

182 17.0 2.1 3.1#

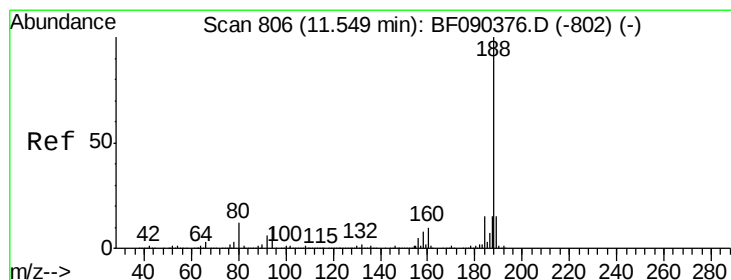
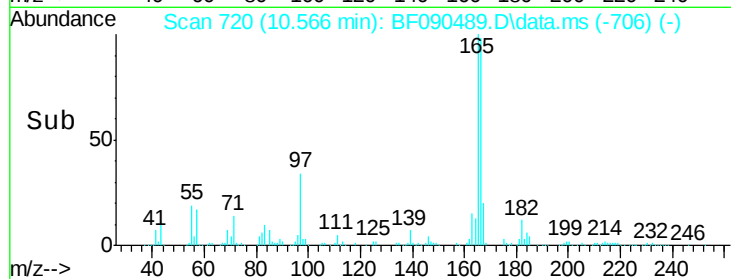
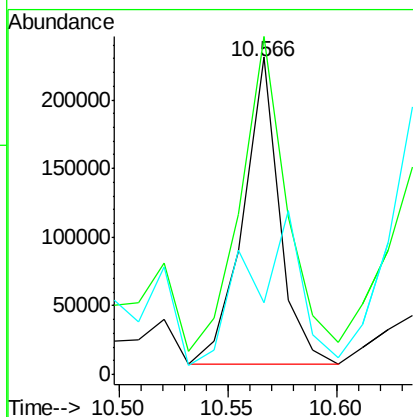
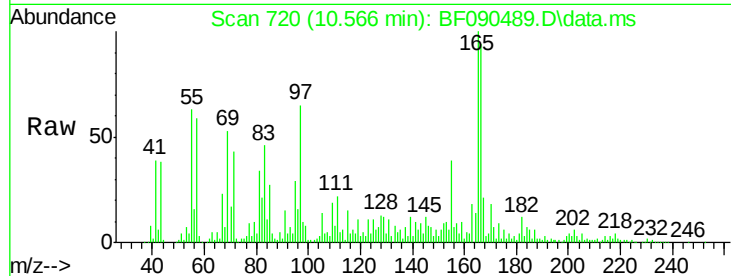




#57
 Fluorene
 Concen: 7.38 ng
 RT: 10.566 min Scan# 72
 Delta R.T. -0.034 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

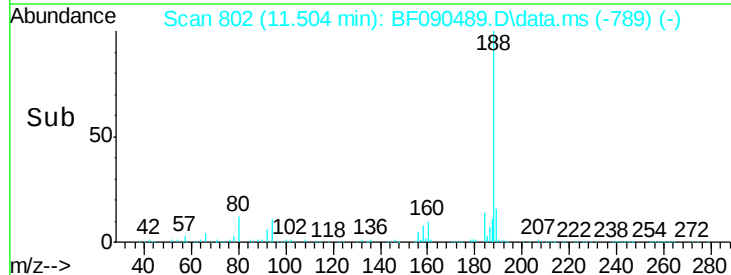
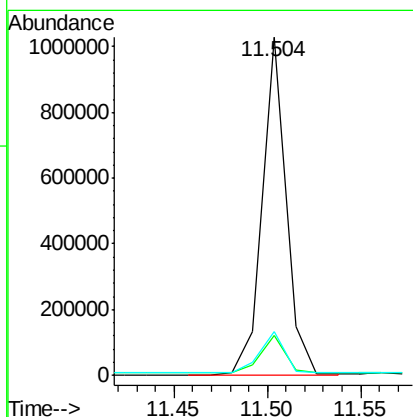
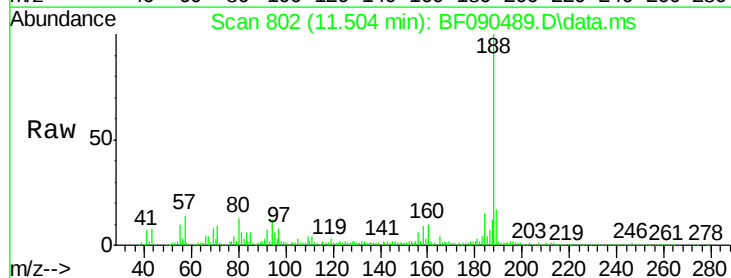
Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

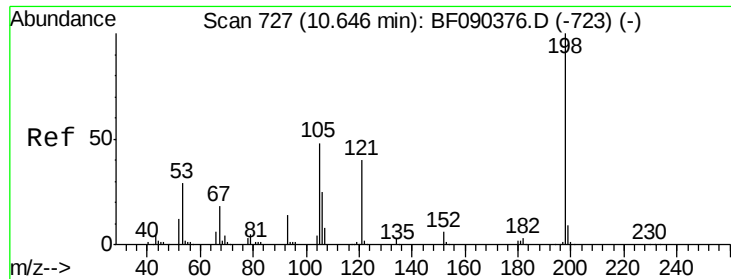
Tot Ion:166 Resp: 261092
 Ion Ratio Lower Upper
 166 100
 165 106.4 79.2 118.8
 167 22.8 11.1 16.7#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.504 min Scan# 802
 Delta R.T. -0.046 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Tgt Ion:188 Resp: 901505
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.2 12.2
 80 12.7 8.8 13.2

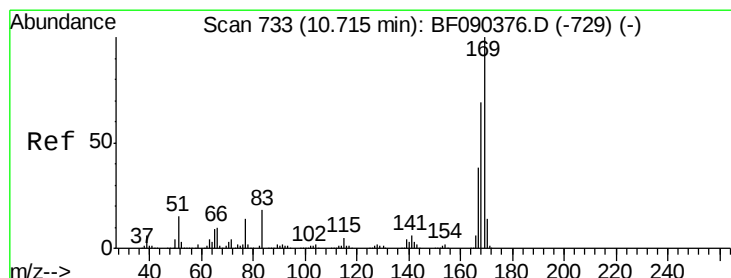
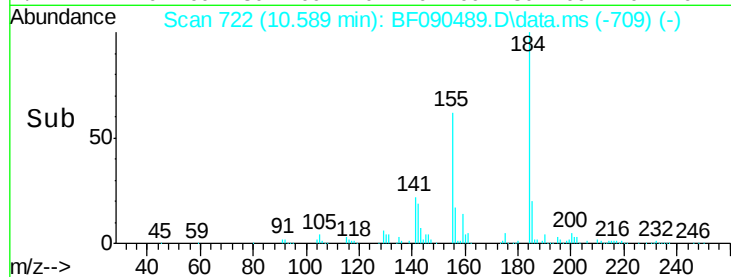
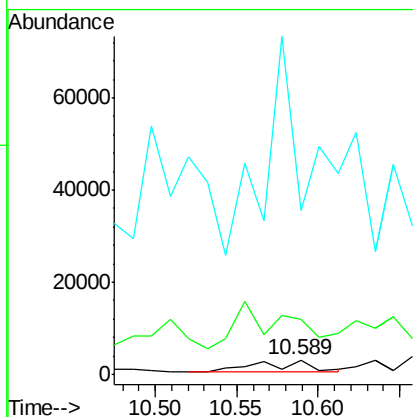
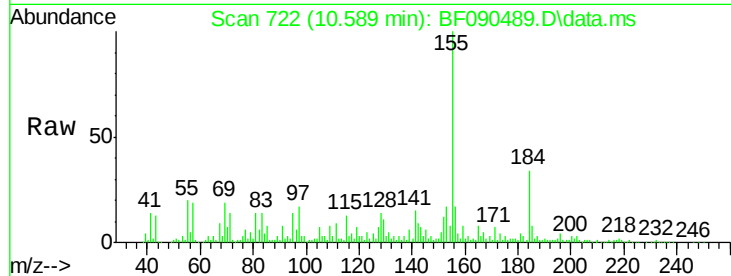




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.16 ng
 RT: 10.589 min Scan# 72
 Delta R.T. -0.057 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

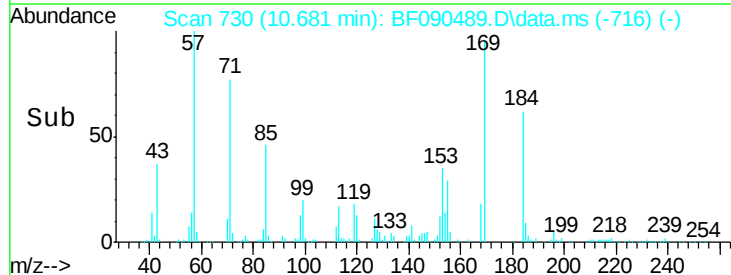
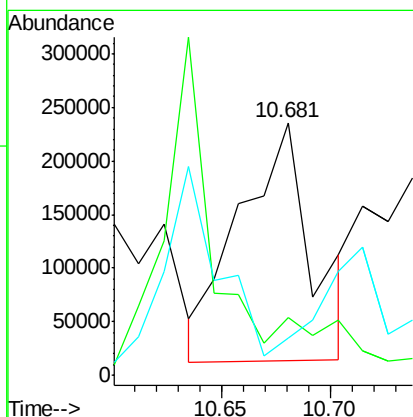
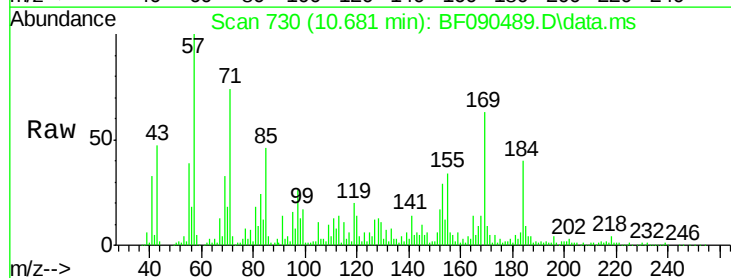
Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

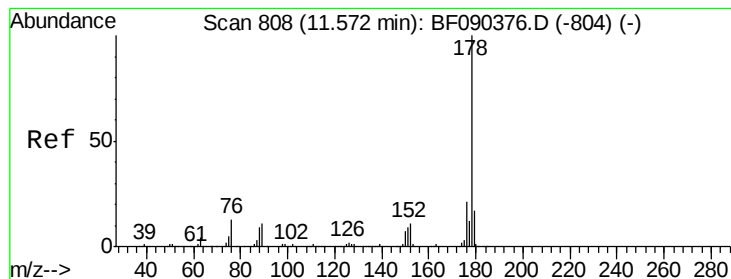
Tot Ion:198 Resp: 4990
 Ion Ratio Lower Upper
 198 100
 51 371.9 67.3 107.3#
 105 1107.1 42.6 82.6#



#65
 n-Nitrosodiphenylamine
 Concen: 17.29 ng
 RT: 10.681 min Scan# 730
 Delta R.T. -0.034 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Tgt Ion:169 Resp: 522200
 Ion Ratio Lower Upper
 169 100
 168 22.9 53.8 80.6#
 167 14.9 29.8 44.8#





#70

Phenanthrene

Concen: 16.80 ng

RT: 11.526 min Scan# 80

Delta R.T. -0.046 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

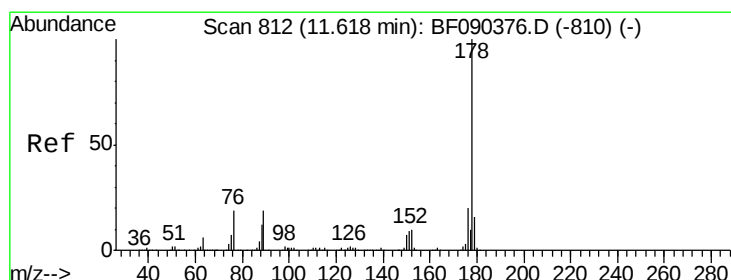
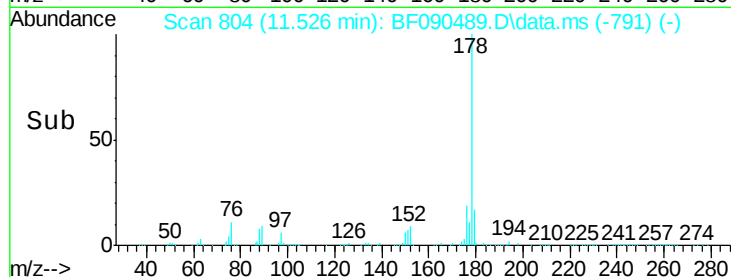
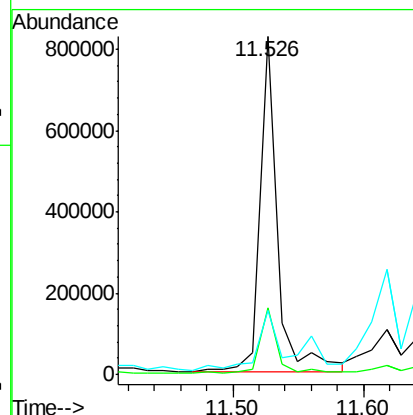
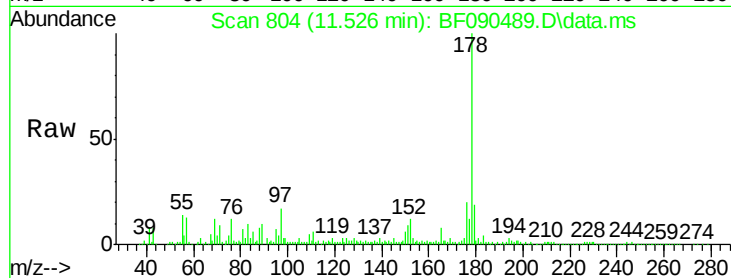
Tot Ion:178 Resp: 775595

Ion Ratio Lower Upper

178 100

176 19.6 17.3 25.9

179 18.8 13.8 20.6



#71

Anthracene

Concen: 16.45 ng

RT: 11.526 min Scan# 804

Delta R.T. -0.091 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

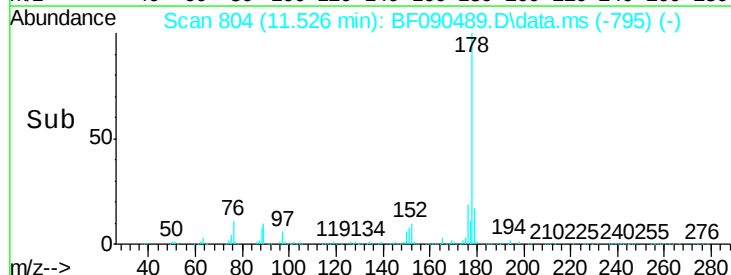
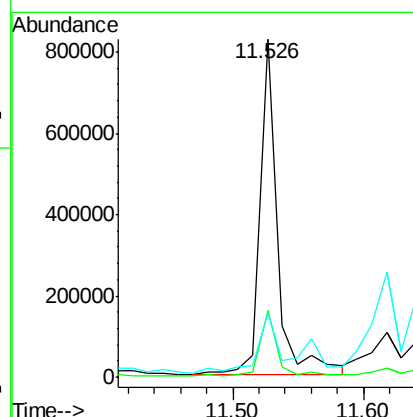
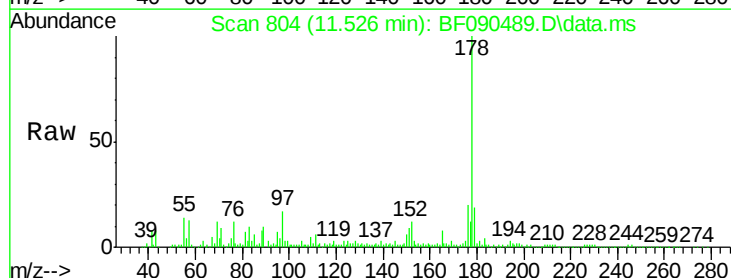
Tgt Ion:178 Resp: 775595

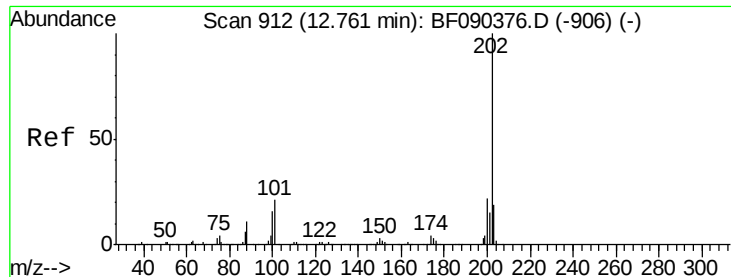
Ion Ratio Lower Upper

178 100

176 19.6 16.8 25.2

179 18.8 13.4 20.2





#74

Fluoranthene

Concen: 2.00 ng

RT: 12.715 min Scan# 90

Delta R.T. -0.046 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

Instrument :

BNA_F

ClientSampleId :

T-5DL

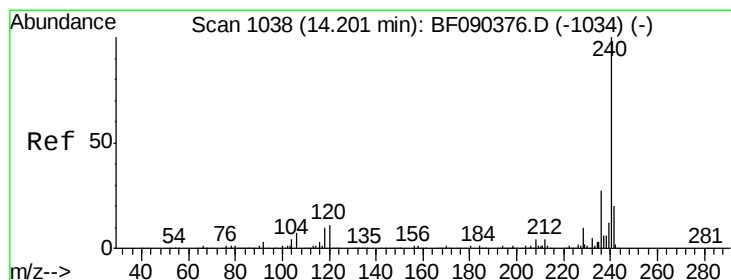
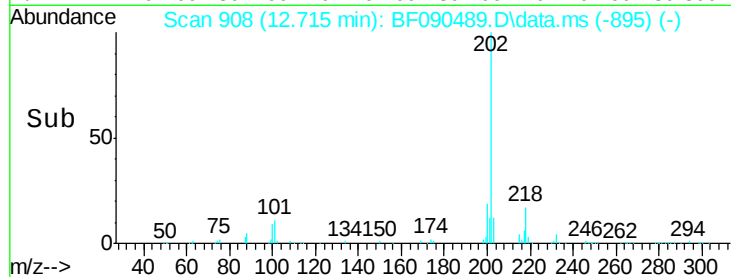
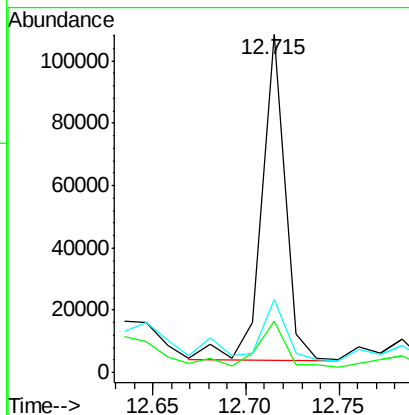
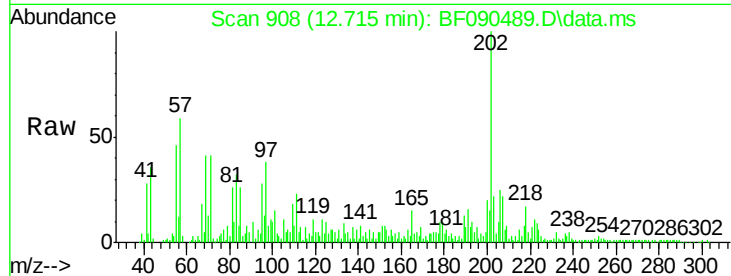
Tot Ion:202 Resp: 90670

Ion Ratio Lower Upper

202 100

101 15.2 0.0 37.2

203 21.8 0.0 39.3



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.144 min Scan# 1033

Delta R.T. -0.057 min

Lab File: BF090489.D

Acq: 10 Oct 2016 19:41

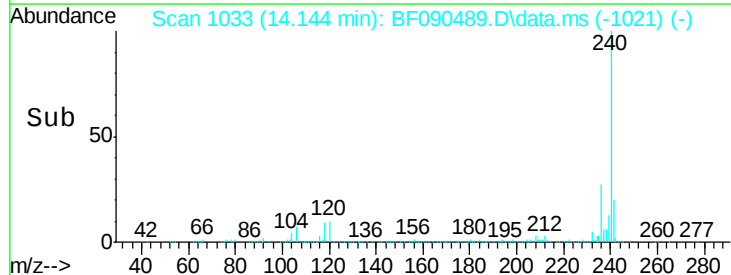
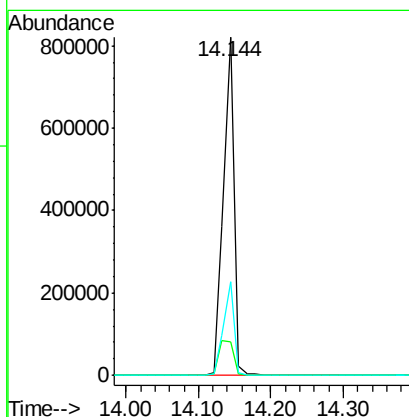
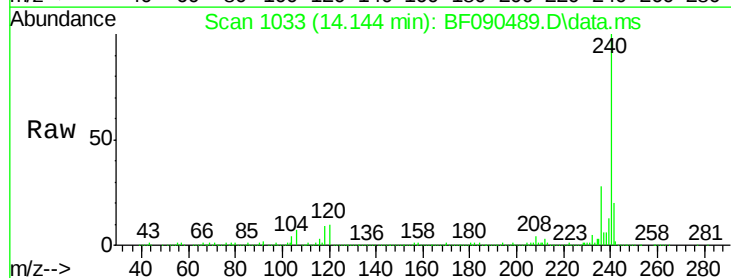
Tgt Ion:240 Resp: 838194

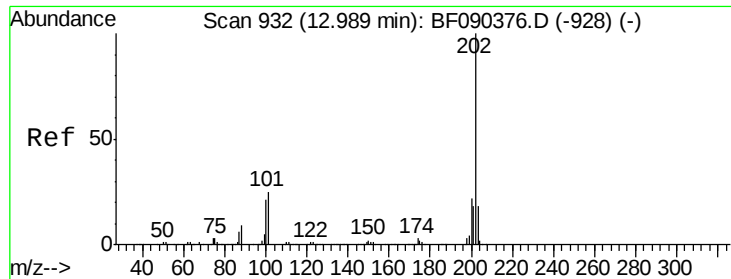
Ion Ratio Lower Upper

240 100

120 10.1 8.6 13.0

236 27.5 21.6 32.4

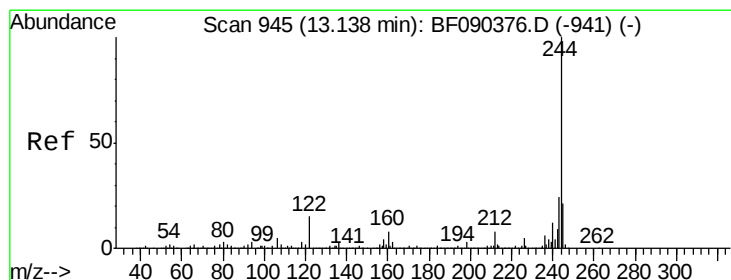
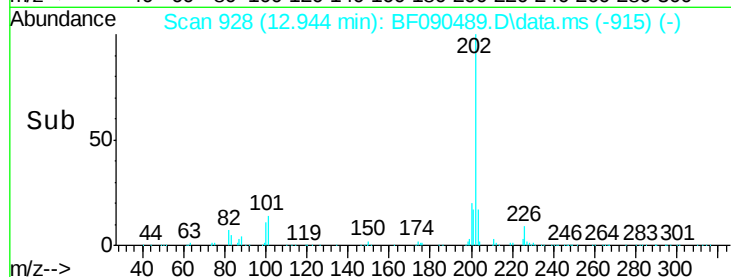
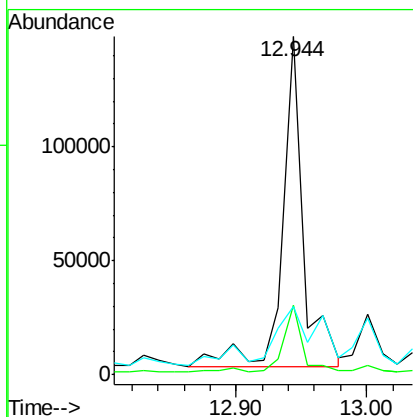
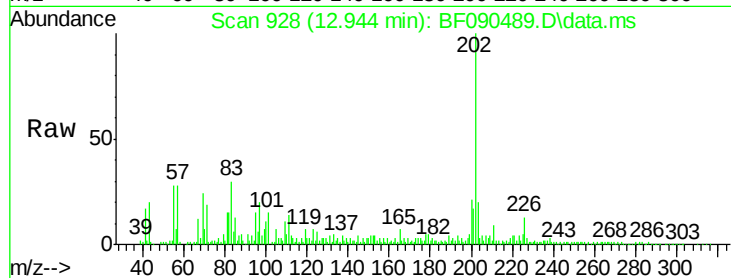




#77
Pvrene
Concen: 2.93 ng
RT: 12.944 min Scan# 92
Delta R.T. -0.046 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

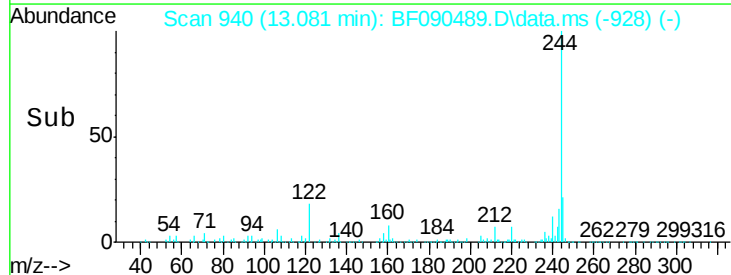
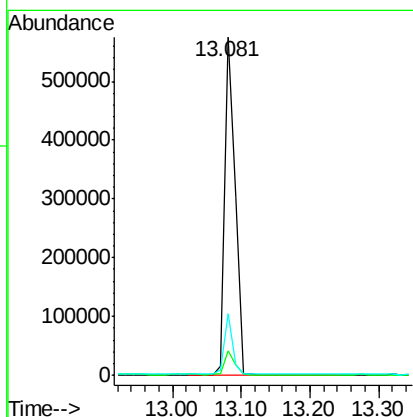
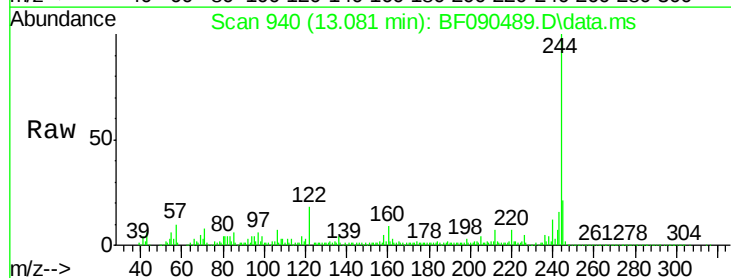
Instrument :
BNA_F
ClientSampleId :
T-5DL

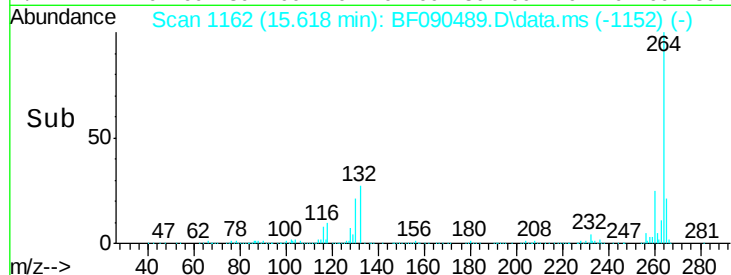
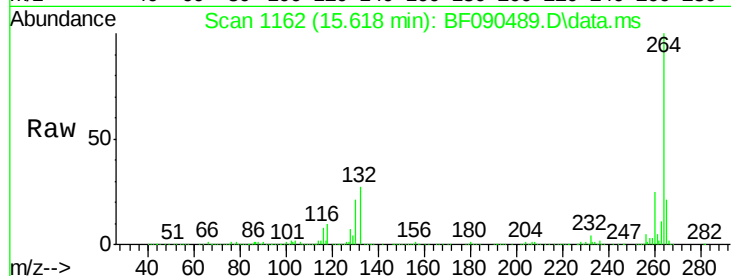
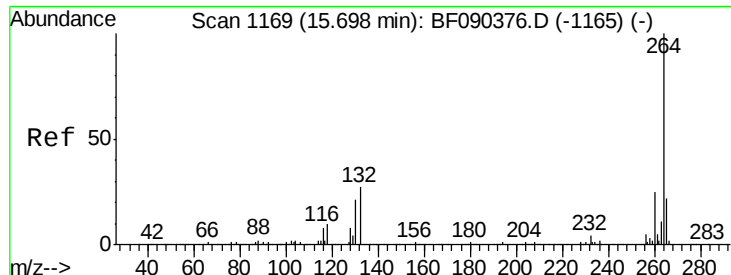
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	18.5	27.7
203	20.0	15.0	22.6



#78
Terphenyl-d14
Concen: 16.57 ng
RT: 13.081 min Scan# 940
Delta R.T. -0.057 min
Lab File: BF090489.D
Acq: 10 Oct 2016 19:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.8	10.2
122	18.1	13.3	19.9





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.618 min Scan# 11
 Delta R.T. -0.080 min
 Lab File: BF090489.D
 Acq: 10 Oct 2016 19:41

Instrument :
 BNA_F
 ClientSampleId :
 T-5DL

Tot Ion:	264	Resp:	609311
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.3	28.9
265	21.3	17.4	26.0

