

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081616\
 Data File : BF089754.D
 Acq On : 17 Aug 2016 10:26
 Operator : UM/SJ
 Sample : H4145-14DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9536DL

Quant Time: Aug 17 10:52:15 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

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

Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.856	152	502445	20.00	ng	0.16	
21) Naphthalene-d8	7.988	136	2580516	20.00	ng	0.00	
38) Acenaphthene-d10	9.736	164	1225253	20.00	ng	0.00	
63) Phenanthrene-d10	11.211	188	2184725	20.00	ng	0.00	
75) Chrysene-d12	13.885	240	1864906	20.00	ng	-0.01	
86) Perylene-d12	15.371	264	1595620	20.00	ng	-0.03	
System Monitoring Compounds							
5) 2-Fluorophenol	5.267	112	987894	32.81	ng	-0.01	
7) Phenol-d6	6.319	99	1188563	31.03	ng	-0.01	
23) Nitrobenzene-d5	7.256	82	740724	17.53	ng	-0.01	
41) 2,4,6-Tribromophenol	10.525	330	285921	24.12	ng	0.00	
44) 2-Fluorobiphenyl	9.062	172	1485937	19.46	ng	-0.01	
78) Terphenyl-d14	12.799	244	1539858	24.67	ng	-0.01	
Target Compounds							Qvalue
4) n-Nitrosodimethylamine	2.810	42	512789	31.89	ng		91
12) 1,3-Dichlorobenzene	6.867	146	582355	15.21	ng		98
13) 1,4-Dichlorobenzene	6.867	146	582355	15.01	ng		100
14) 1,2-Dichlorobenzene	6.867	146	582355	15.75	ng		96
18) Hexachloroethane	7.210	117	188471	13.26	ng	#	85
19) n-Nitroso-di-n-propyla...	7.256	70	93280	3.72	ng	#	81
24) Nitrobenzene	7.279	77	528416	11.12	ng		93
25) Isophorone	7.519	82	2098157	24.81	ng		99
26) 2-Nitrophenol	7.519	139	37627	1.68	ng	#	30
28) bis(2-Chloroethoxy)met...	7.748	93	596142	11.60	ng		98
31) Naphthalene	8.010	128	2219461	19.16	ng		99
33) 4-Chloroaniline	8.010	127	302253	5.64	ng	#	39
34) Hexachlorobutadiene	8.136	225	250579	12.59	ng		98
37) 2-Methylnaphthalene	8.696	142	810031	10.27	ng		97
40) Hexachlorocyclopentadiene	8.856	237	452336	25.77	ng		99
46) 2-Chloronaphthalene	9.188	162	2656476	34.94	ng		93
49) Dimethylphthalate	9.462	163	1663334	18.76	ng		99
50) 2,6-Dinitrotoluene	9.519	165	252612	12.59	ng	#	73
54) Dibenzofuran	9.942	168	1916676	19.72	ng		92
55) 4-Nitrophenol	9.942	139	741473	41.31	ng	#	16
56) 2,4-Dinitrotoluene	9.919	165	358932	13.92	ng	#	83
59) Diethylphthalate	10.171	149	2500411	27.82	ng		97
60) 4-Chlorophenyl-phenyle...	10.285	204	1135326	29.44	ng		92
62) Azobenzene	10.399	77	181778	2.14	ng	#	23
65) n-Nitrosodiphenylamine	10.399	169	1654580	24.13	ng		99
66) 4-Bromophenyl-phenylether	10.765	248	509896	22.54	ng	#	68
67) Hexachlorobenzene	10.822	284	300591	11.95	ng	#	67
70) Phenanthrene	11.234	178	3002918	27.96	ng		98
71) Anthracene	11.234	178	3002918	26.76	ng		99
73) Di-n-butylphthalate	11.794	149	2651871	20.51	ng		99
74) Fluoranthene	12.651	202	3972869	36.82	ng		98
77) Pvrene	12.651	202	3988243	32.68	ng		97
79) Butylbenzylphthalate	13.302	149	1877981	30.67	ng		97

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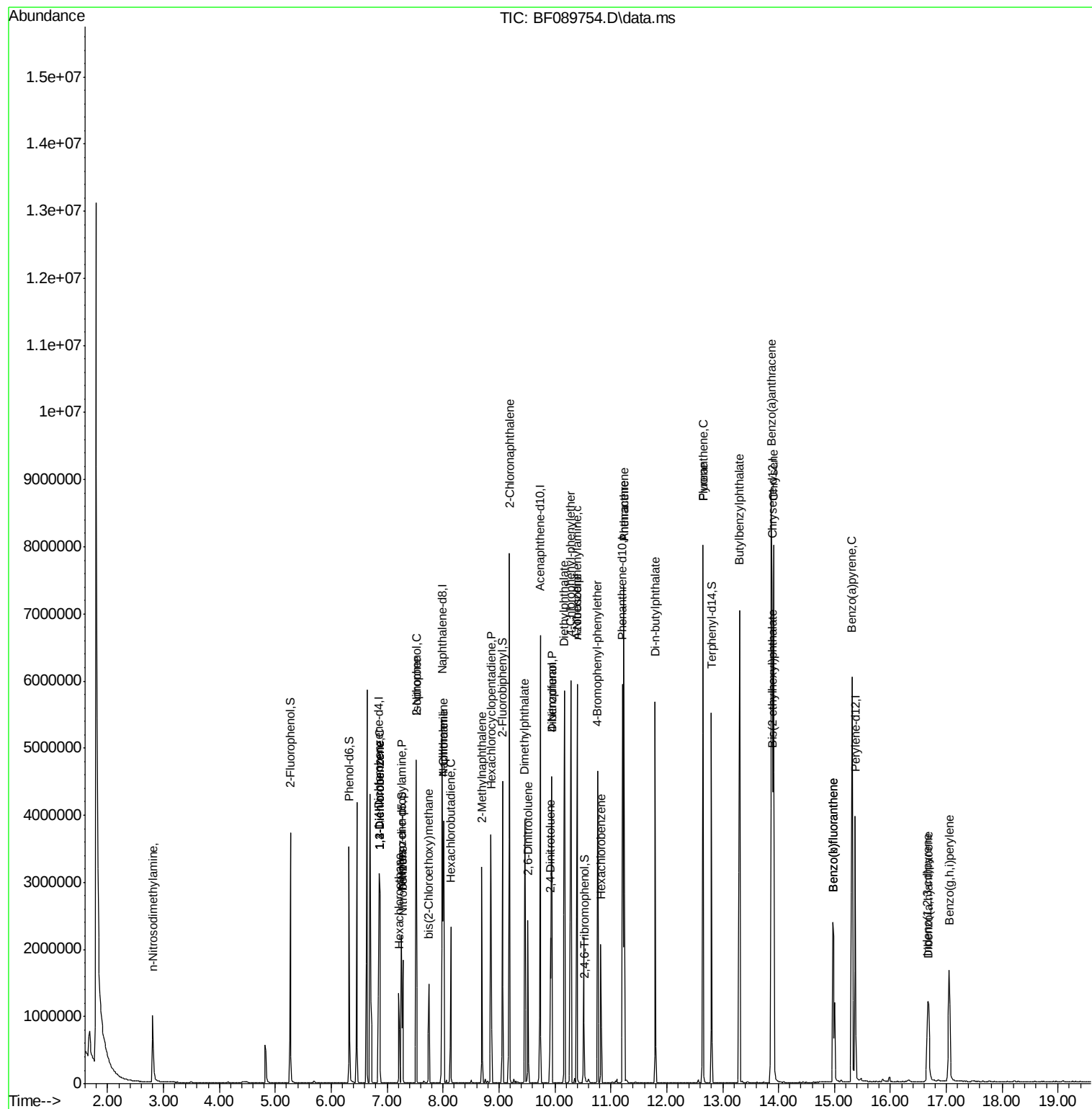
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	13.874	228	3638924	33.59	nq	98
82) Chrysene	13.908	228	3183251	32.64	nq	98
83) Bis(2-ethylhexyl)phtha...	13.897	149	859208	10.60	nq	# 97
85) Indeno(1,2,3-cd)pyrene	16.663	276	996949	12.00	nq	95
87) Benzo(b)fluoranthene	14.983	252	1934646	19.14	nq	# 92
88) Benzo(k)fluoranthene	14.983	252	1936407	23.27	nq	# 94
89) Benzo(a)pyrene	15.314	252	2847502	34.11	nq	98
90) Dibenzo(a,h)anthracene	16.686	278	672437	10.23	nq	99
91) Benzo(g,h,i)perylene	17.051	276	1284584	19.20	nq	98

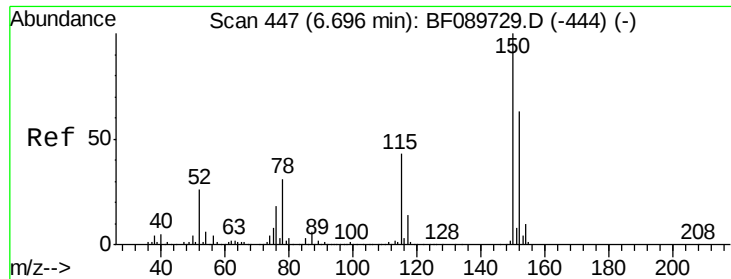
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.856 min Scan# 46

Delta R.T. 0.160 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

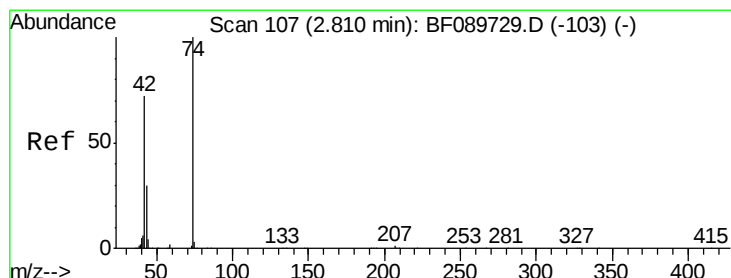
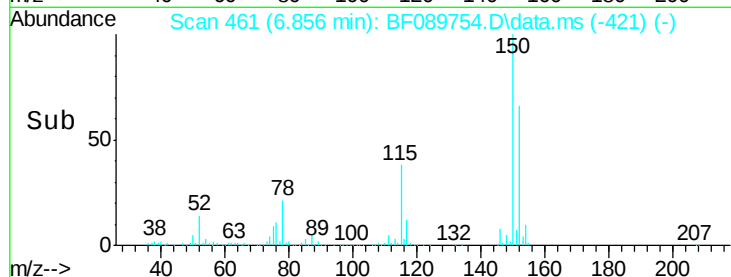
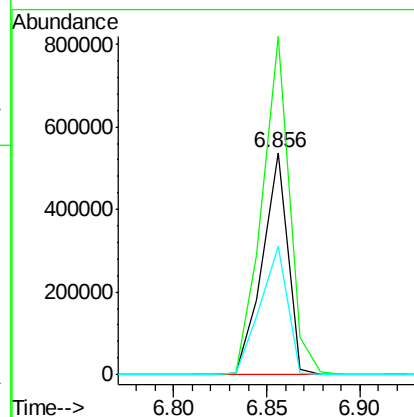
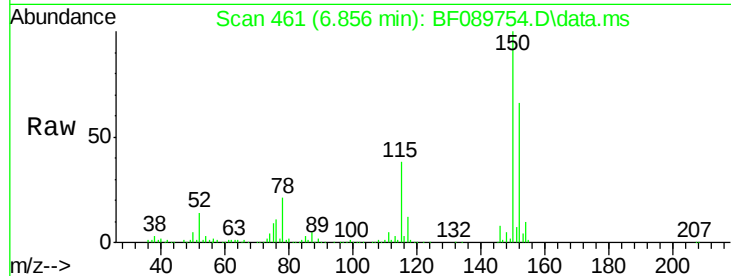
Tot Ion:152 Resp: 502445

Ion Ratio Lower Upper

152 100

150 152.4 125.3 187.9

115 57.7 40.9 61.3



#4

n-Nitrosodimethylamine

Concen: 31.89 ng

RT: 2.810 min Scan# 107

Delta R.T. 0.000 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

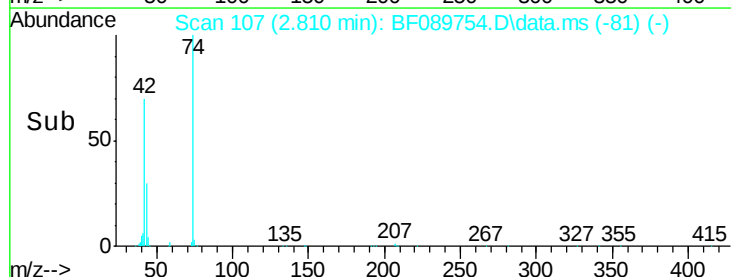
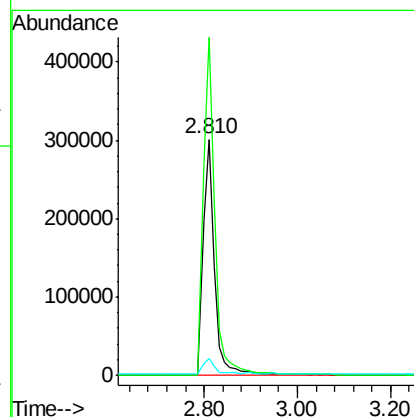
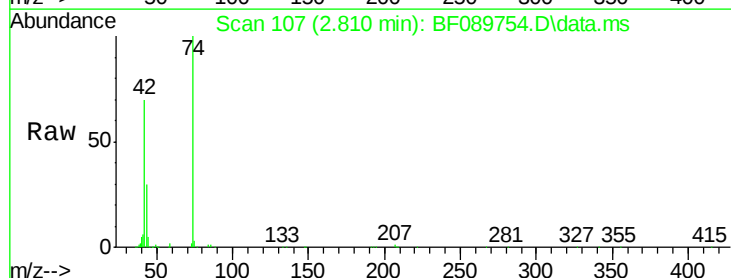
Tgt Ion: 42 Resp: 512789

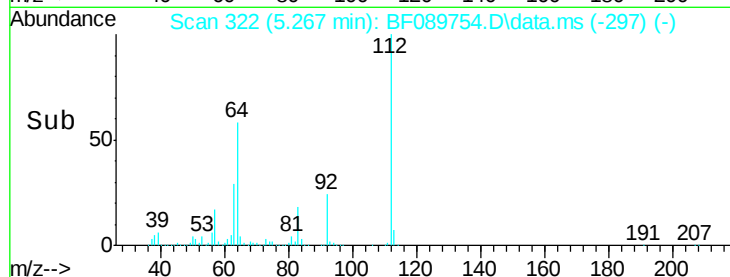
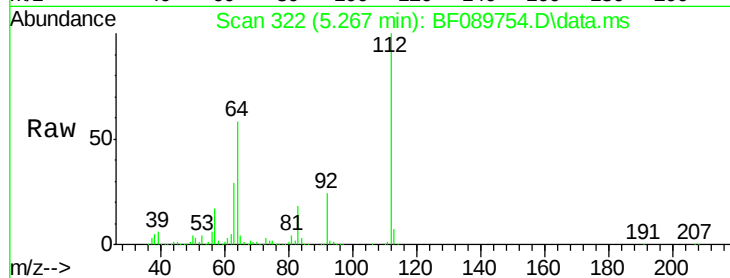
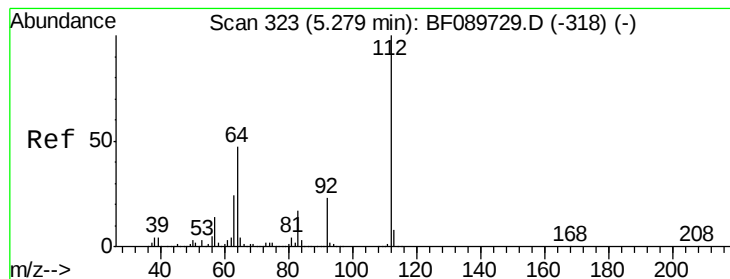
Ion Ratio Lower Upper

42 100

74 143.1 106.2 159.2

44 7.1 6.9 10.3





#5

2-Fluorophenol

Concen: 32.81 ng

RT: 5.267 min Scan# 32

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

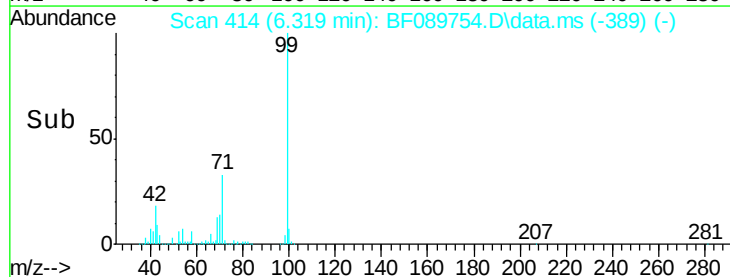
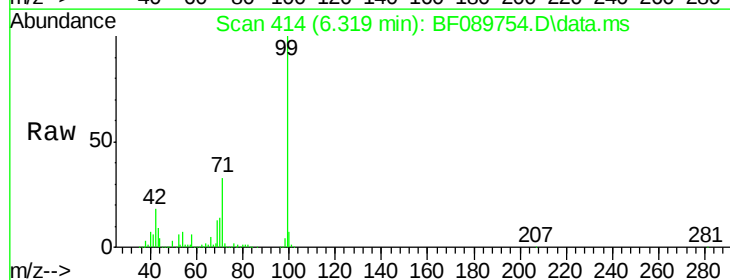
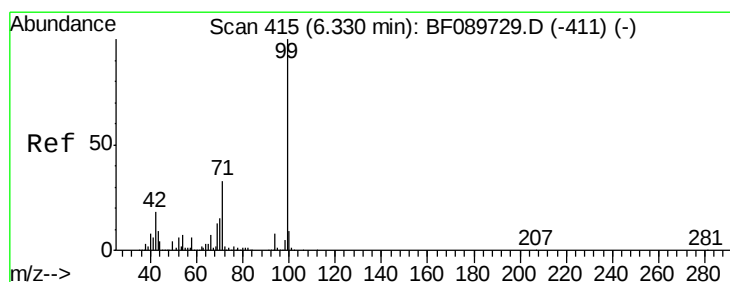
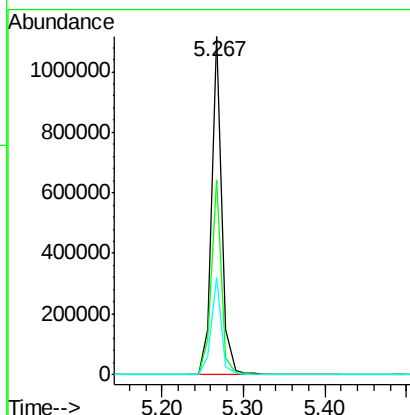
Tot Ion:112 Resp: 987894

Ion Ratio Lower Upper

112 100

64 57.6 45.0 67.4

63 28.8 23.1 34.7



#7

Phenol-d6

Concen: 31.03 ng

RT: 6.319 min Scan# 414

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

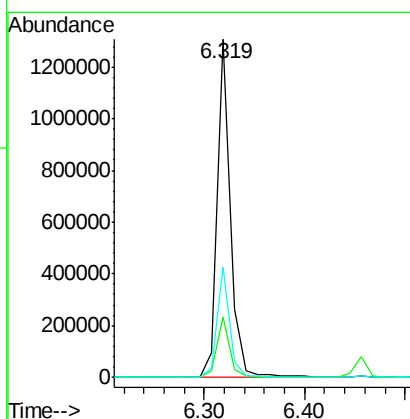
Tgt Ion: 99 Resp: 1188563

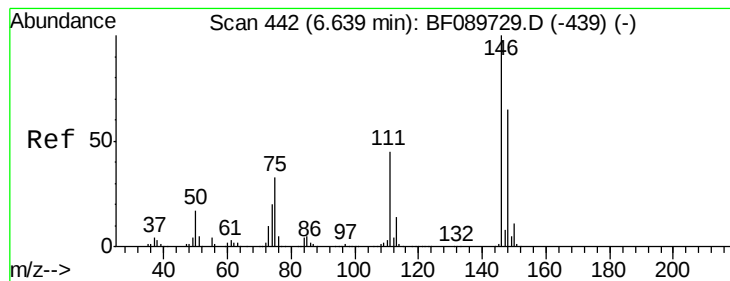
Ion Ratio Lower Upper

99 100

42 17.9 12.2 18.4

71 32.7 23.8 35.8





#12

1,3-Dichlorobenzene

Concen: 15.21 ng

RT: 6.867 min Scan# 46

Delta R.T. 0.229 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

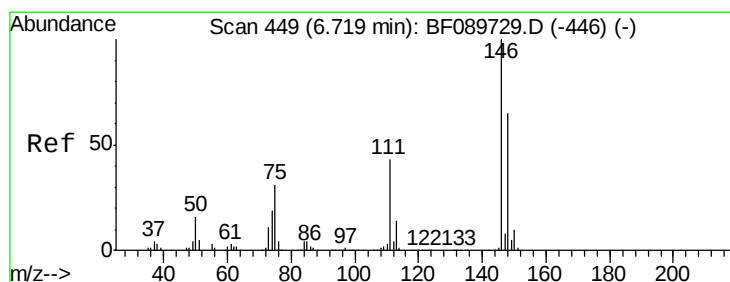
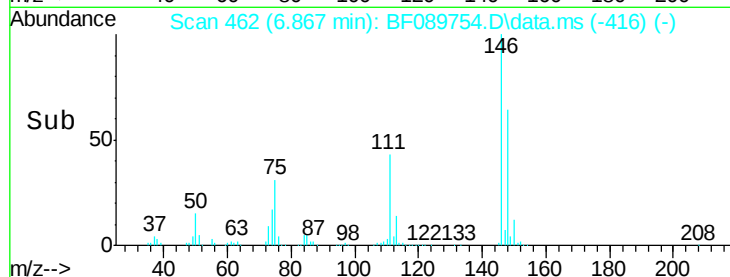
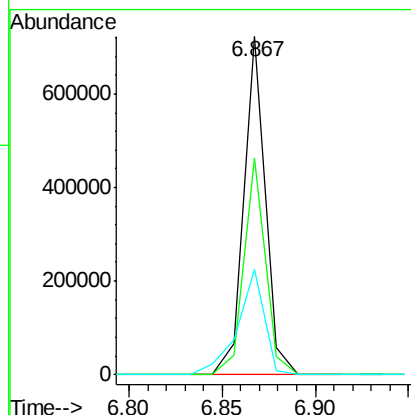
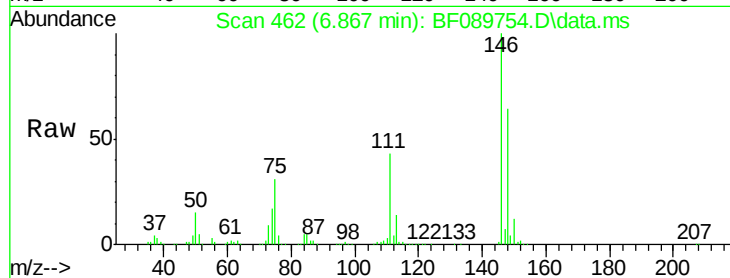
Tot Ion:146 Resp: 582355

Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.4

75 31.0 27.0 40.6



#13

1,4-Dichlorobenzene

Concen: 15.01 ng

RT: 6.867 min Scan# 462

Delta R.T. 0.149 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

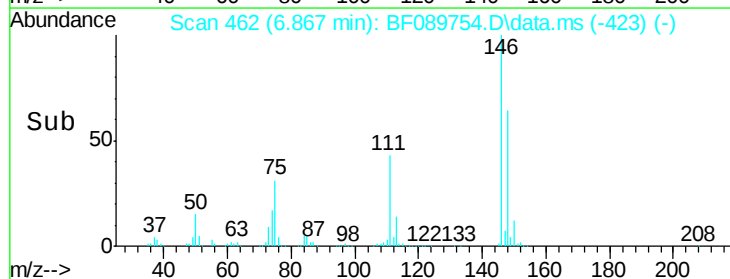
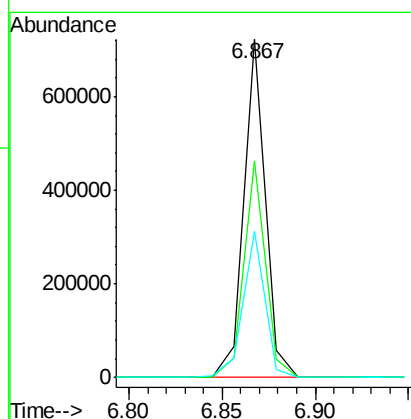
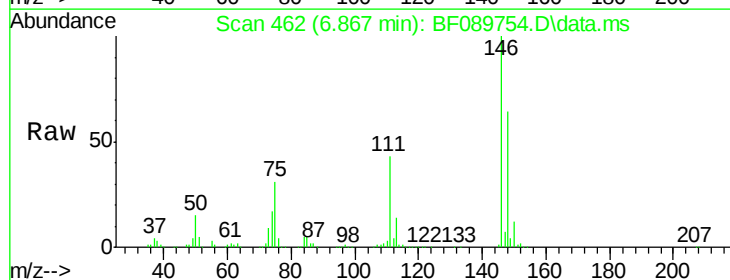
Tgt Ion:146 Resp: 582355

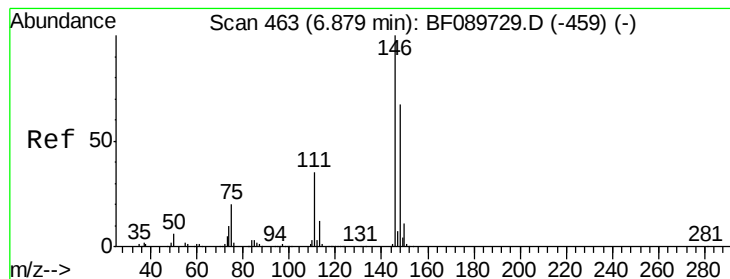
Ion Ratio Lower Upper

146 100

148 64.2 51.0 76.6

111 43.1 34.6 52.0





#14

1,2-Dichlorobenzene

Concen: 15.75 ng

RT: 6.867 min Scan# 46

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

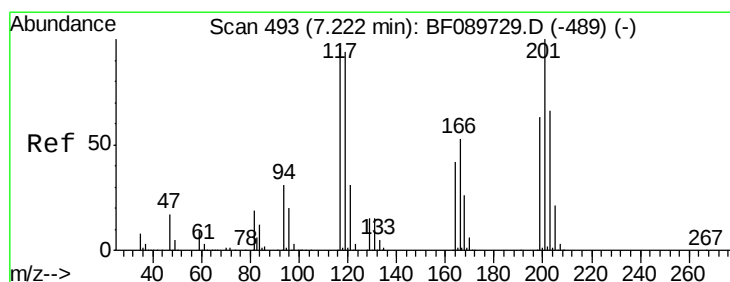
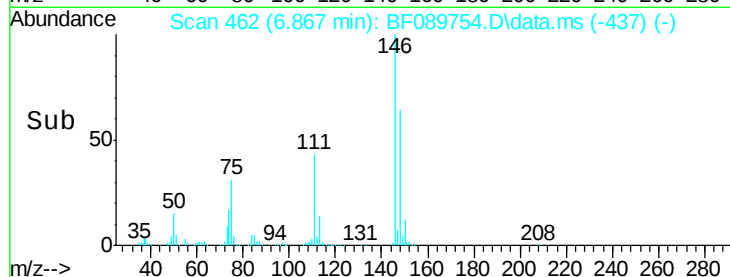
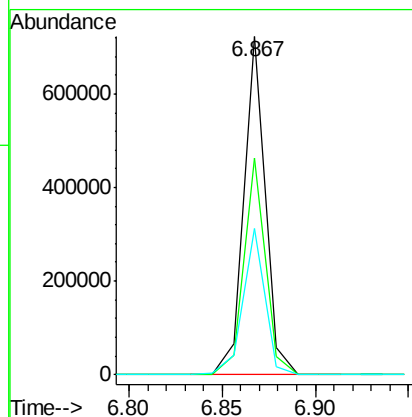
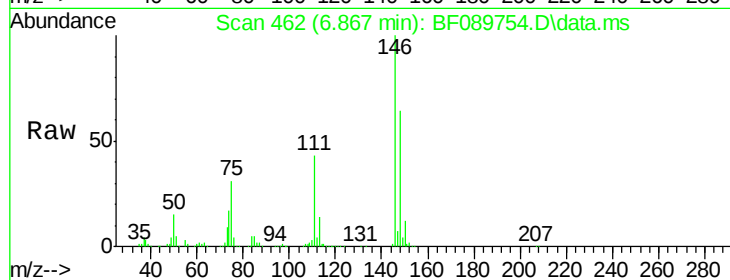
Tot Ion:146 Resp: 582355

Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

111 43.1 29.8 44.6



#18

Hexachloroethane

Concen: 13.26 ng

RT: 7.210 min Scan# 492

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

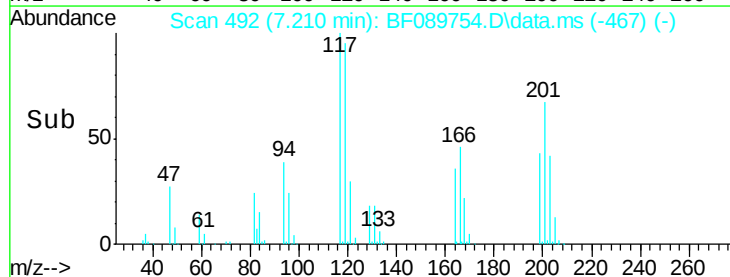
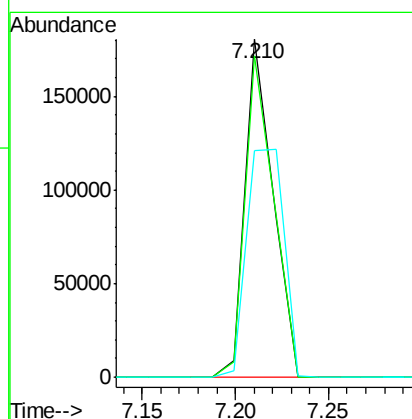
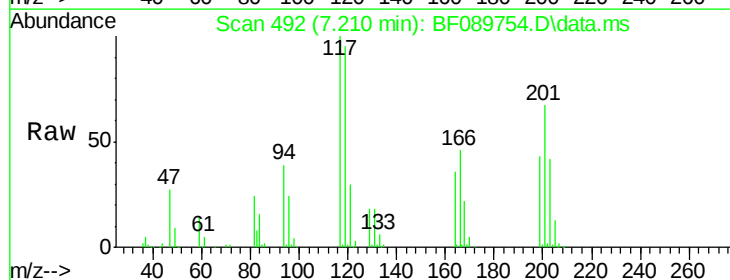
Tgt Ion:117 Resp: 188471

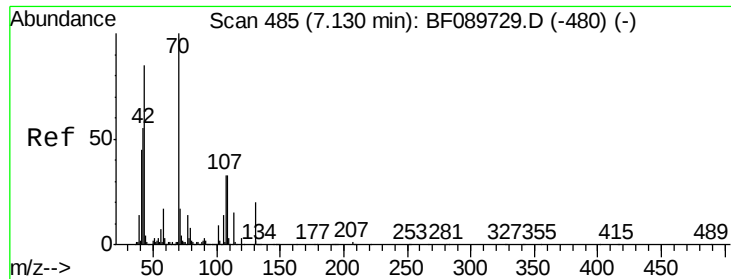
Ion Ratio Lower Upper

117 100

119 95.1 77.1 115.7

201 67.2 76.9 115.3#

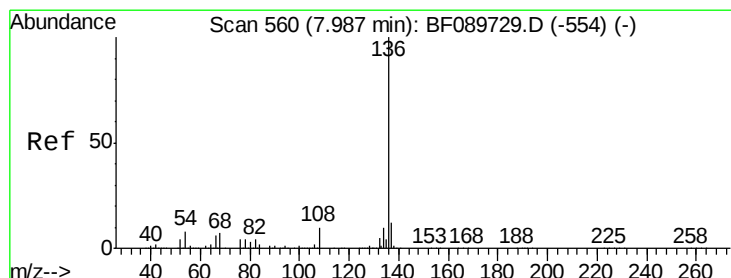
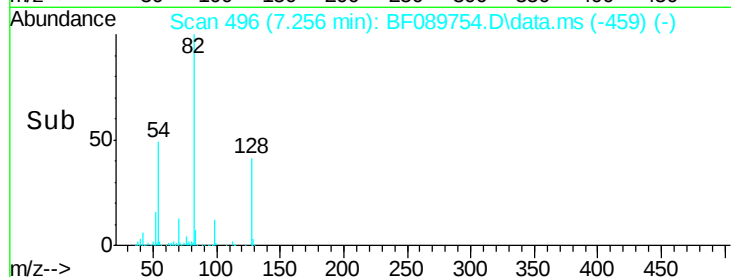
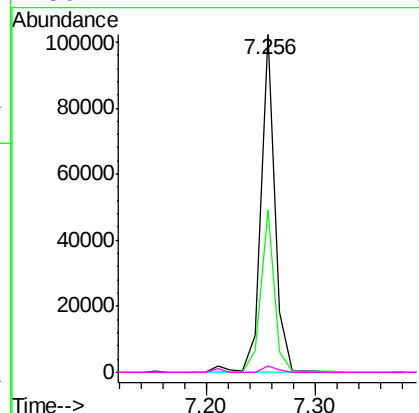
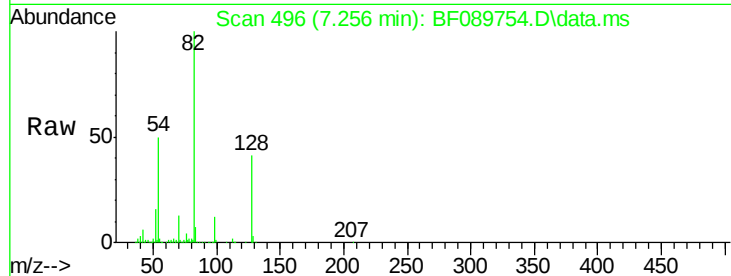




#19
n-Nitroso-di-n-propylamine
Concen: 3.72 ng
RT: 7.256 min Scan# 49
Delta R.T. 0.126 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

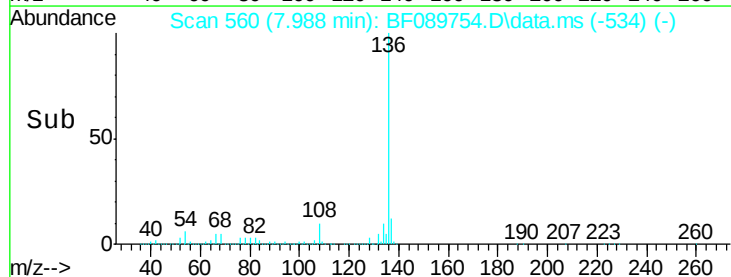
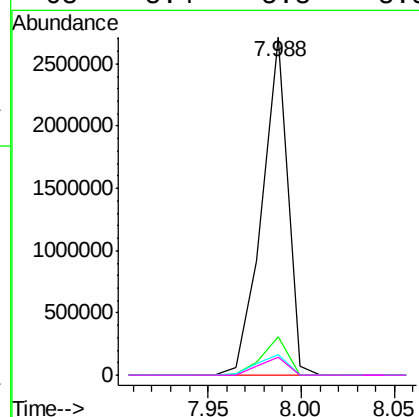
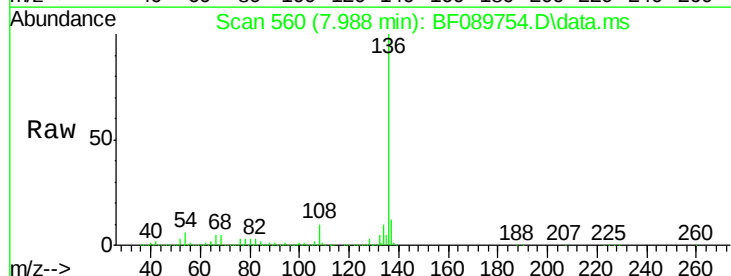
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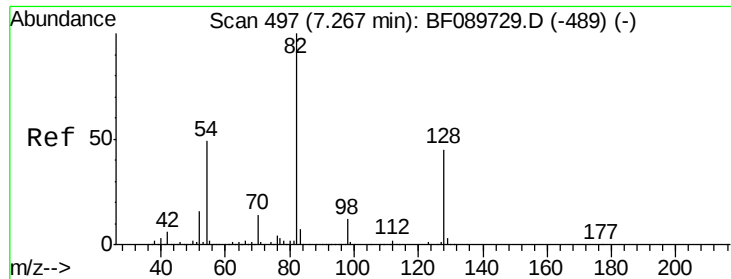
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.3	46.3	69.5
101	0.0	7.0	10.6#
130	2.1	14.4	21.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.988 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.0	7.2	10.8#
68	5.4	5.8	8.8#

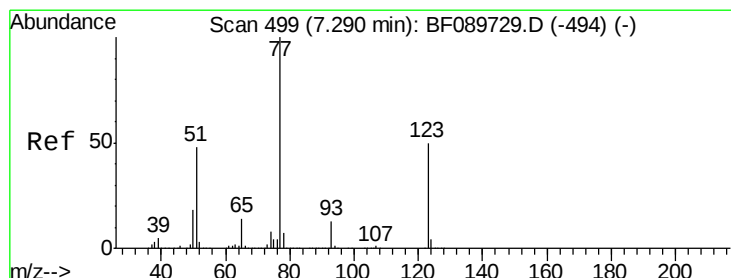
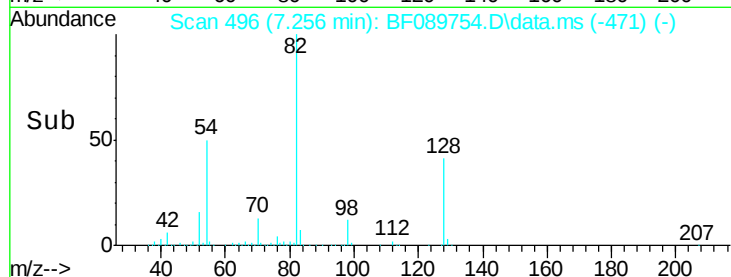
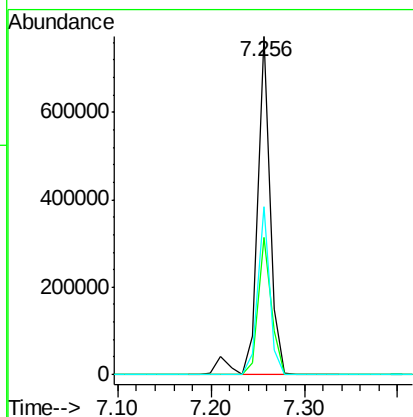
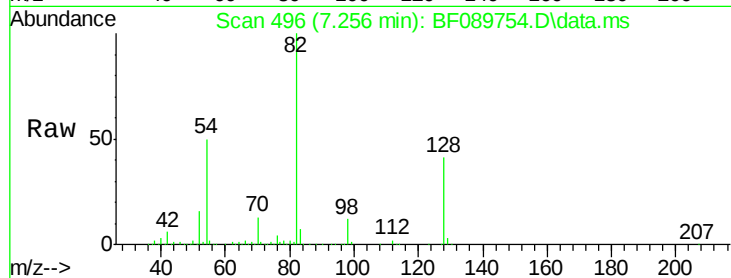




#23
Nitrobenzene-d5
Concen: 17.53 ng
RT: 7.256 min Scan# 49
Delta R.T. -0.011 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

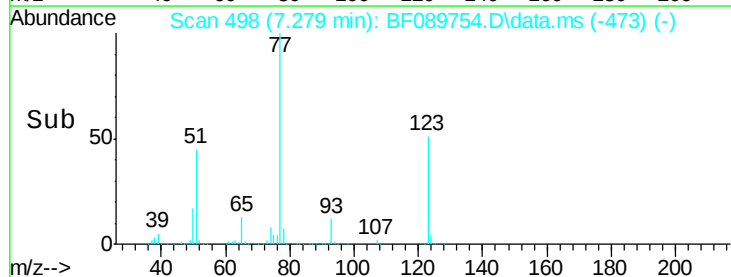
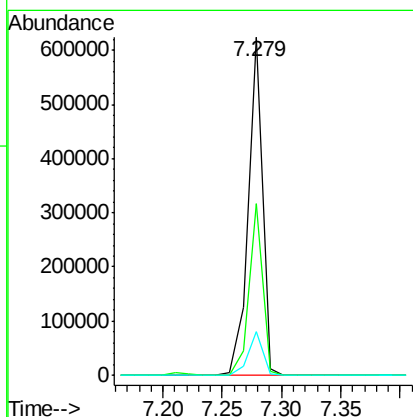
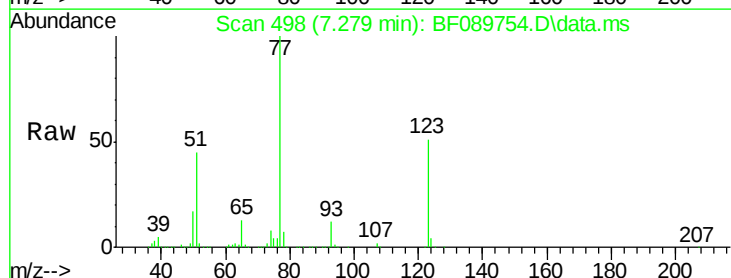
Instrument :
BNA_F
ClientSampleId :
9536DL

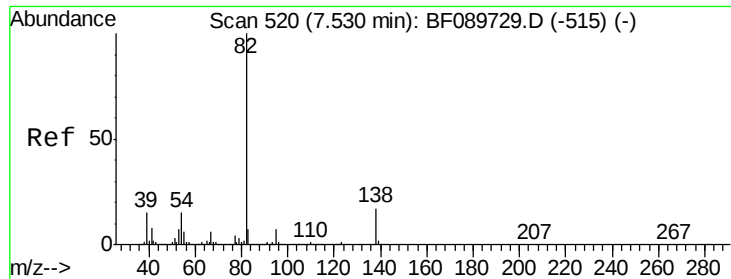
Tot Ion	82	Resp	740724
Ion Ratio	100	Lower	Upper
128	40.6	34.4	51.6
54	49.5	40.3	60.5



#24
Nitrobenzene
Concen: 11.12 ng
RT: 7.279 min Scan# 498
Delta R.T. -0.011 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	77	Resp	528416
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
123	50.7	36.2	54.2
65	13.0	10.6	15.8





#25

Isophorone

Concen: 24.81 ng

RT: 7.519 min Scan# 51

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

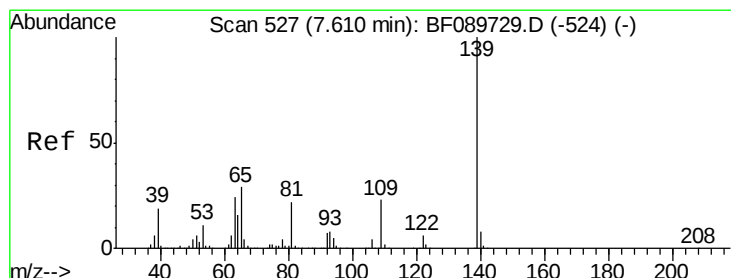
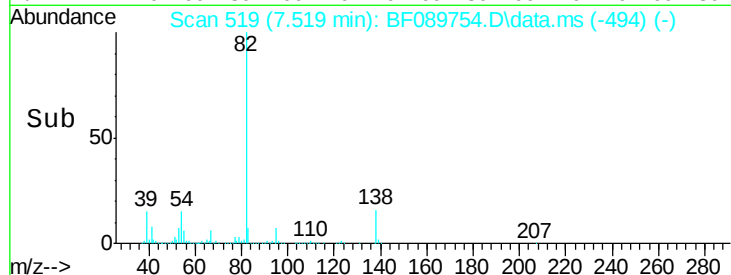
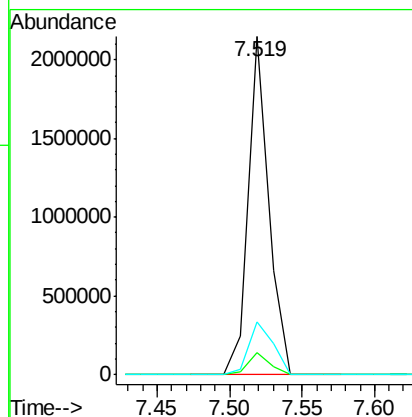
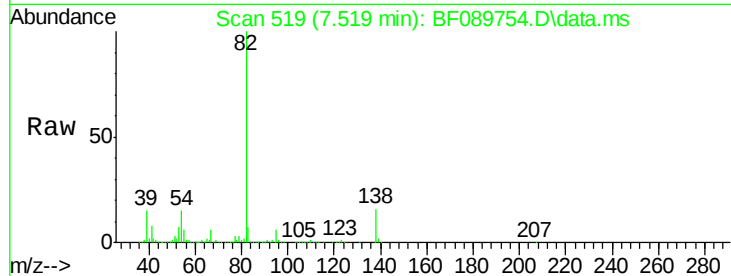
Tot Ion: 82 Resp: 2098157

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 15.8 13.0 19.4



#26

2-Nitrophenol

Concen: 1.68 ng

RT: 7.519 min Scan# 519

Delta R.T. -0.091 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

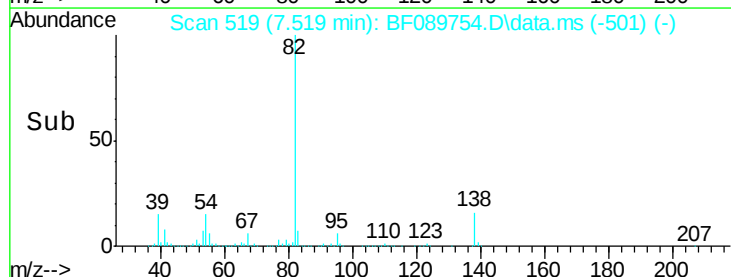
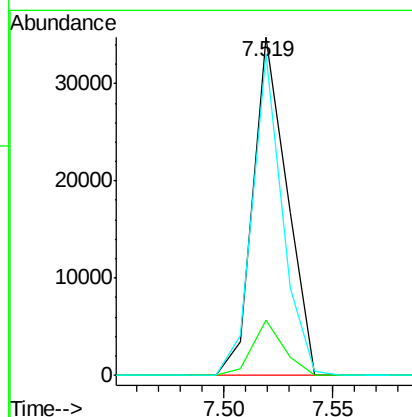
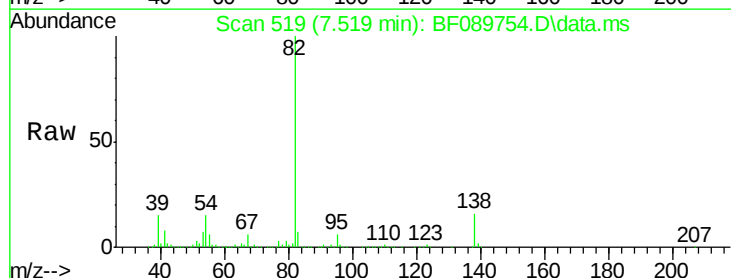
Tgt Ion: 139 Resp: 37627

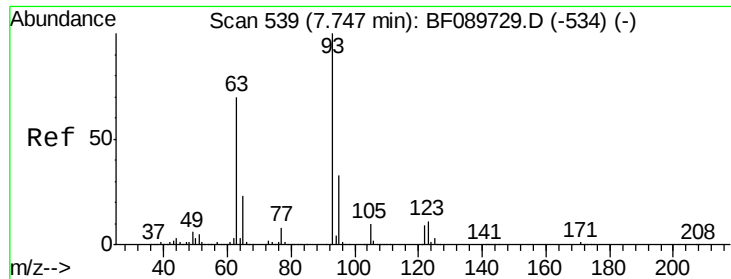
Ion Ratio Lower Upper

139 100

109 16.2 19.5 29.3#

65 95.1 26.5 39.7#





#28

bis(2-Chloroethoxy)methane

Concen: 11.60 ng

RT: 7.748 min Scan# 539

Delta R.T. 0.000 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

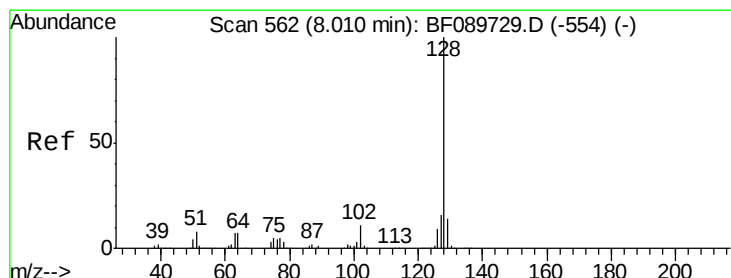
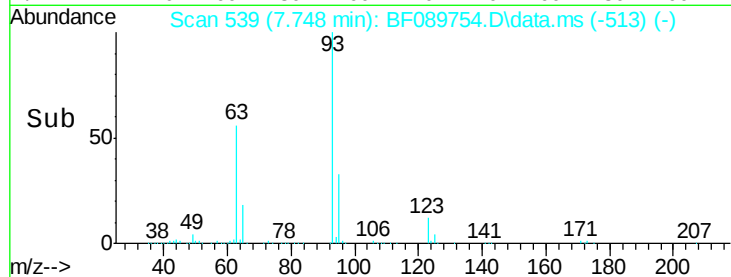
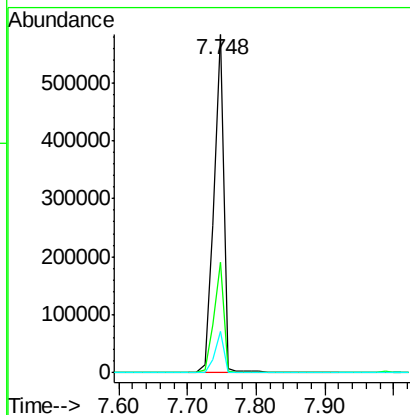
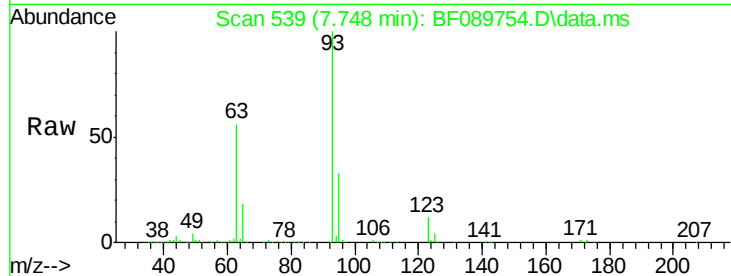
Tot Ion: 93 Resp: 596142

Ion Ratio Lower Upper

93 100

95 32.7 25.5 38.3

123 12.1 8.5 12.7



#31

Naphthalene

Concen: 19.16 ng

RT: 8.010 min Scan# 562

Delta R.T. 0.000 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

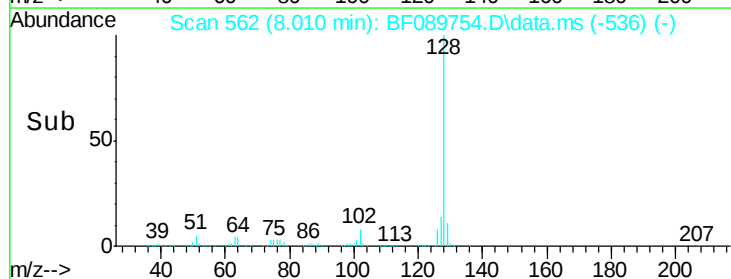
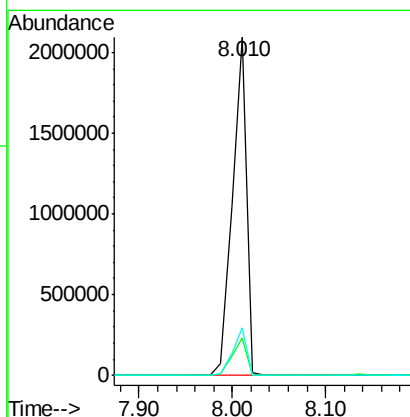
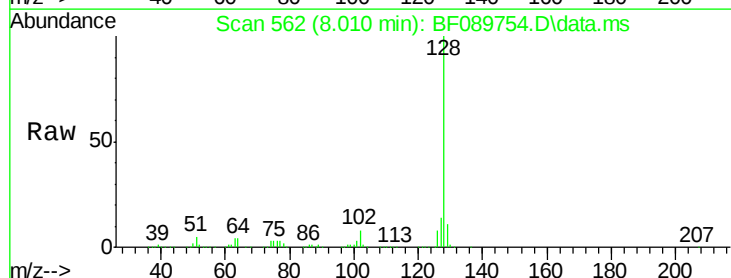
Tgt Ion: 128 Resp: 2219461

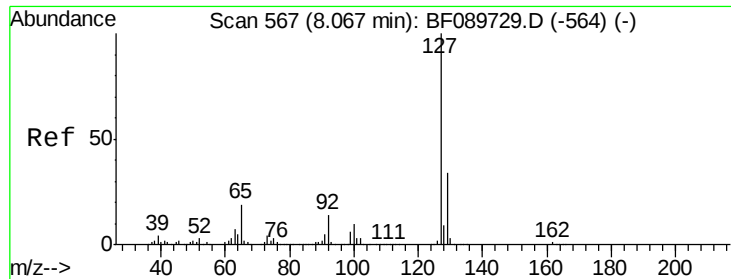
Ion Ratio Lower Upper

128 100

129 11.2 9.5 14.3

127 13.9 11.3 16.9

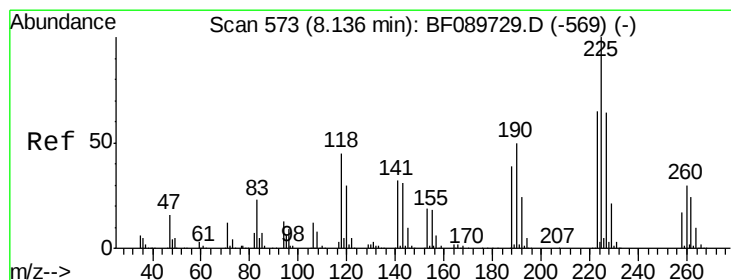
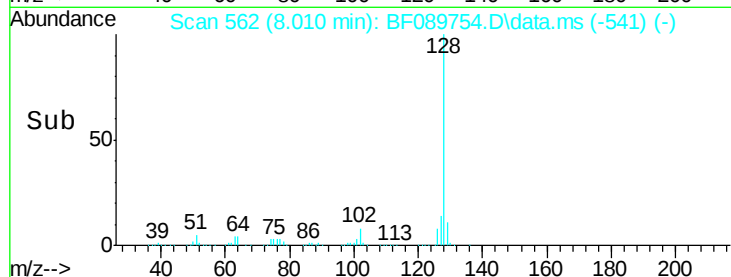
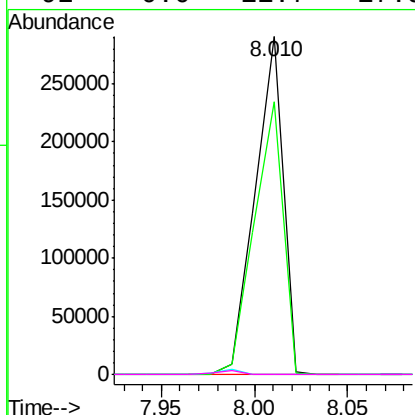
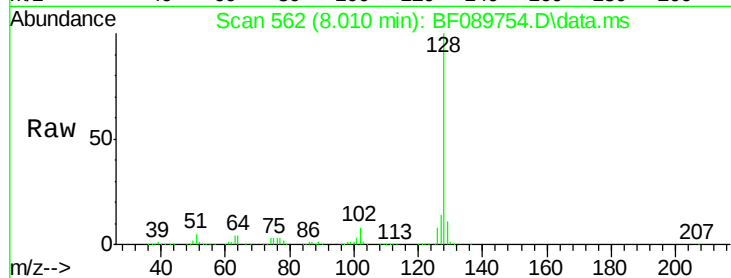




#33
4-Chloroaniline
Concen: 5.64 ng
RT: 8.010 min Scan# 567
Delta R.T. -0.057 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

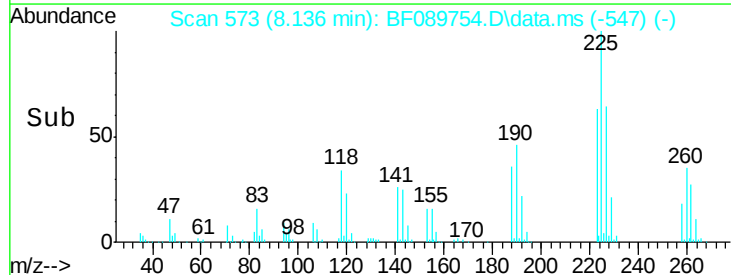
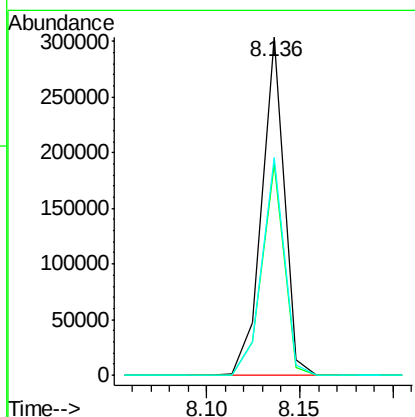
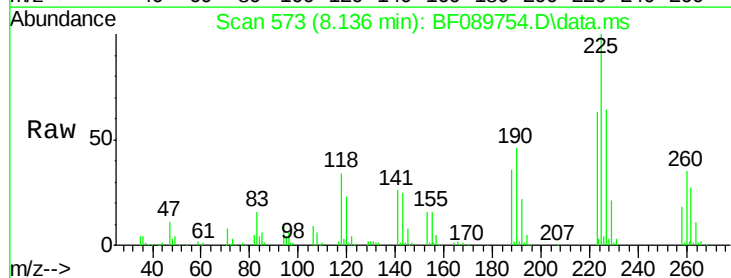
Instrument :
BNA_F
ClientSampleId :
9536DL

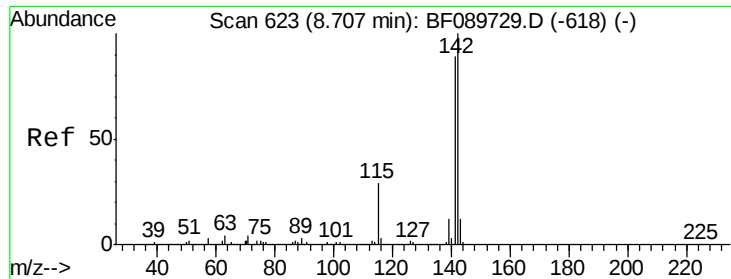
Tot Ion:	127	Resp:	302253
Ion Ratio	Lower	Upper	
127	100		
129	80.7	27.0	40.6#
65	0.0	14.7	22.1#
92	0.0	11.7	17.5#



#34
Hexachlorobutadiene
Concen: 12.59 ng
RT: 8.136 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:	225	Resp:	250579
Ion Ratio	Lower	Upper	
225	100		
223	62.6	51.0	76.6
227	64.4	49.8	74.6

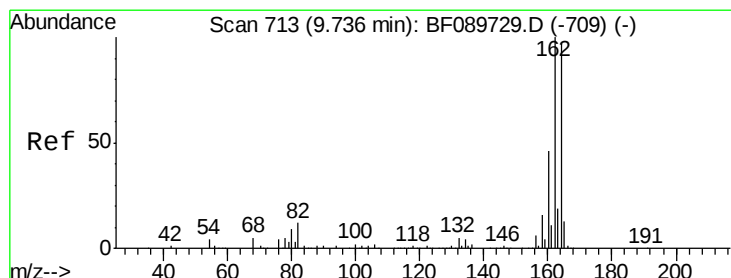
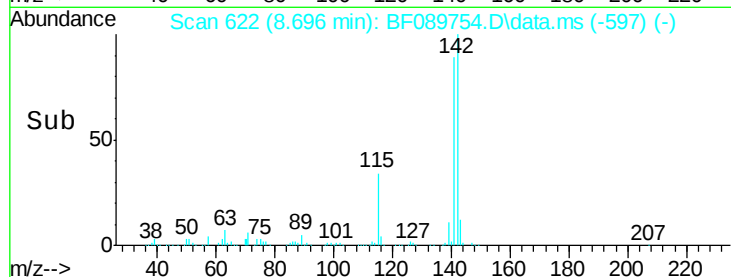
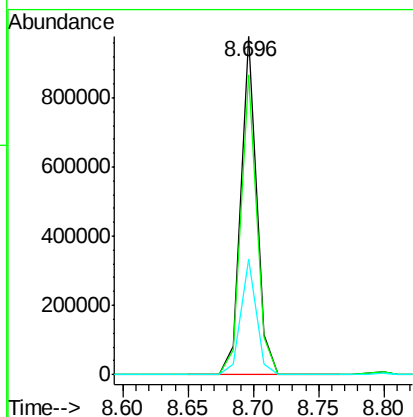
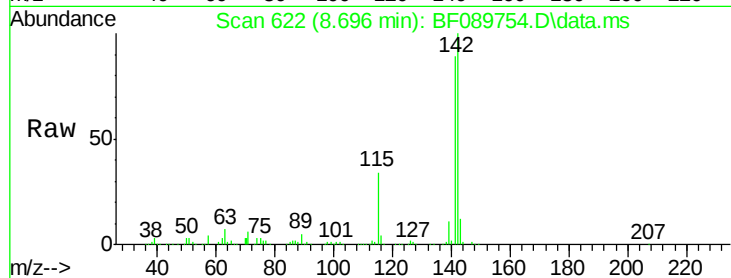




#37
2-Methylnaphthalene
Concen: 10.27 ng
RT: 8.696 min Scan# 62
Delta R.T. -0.011 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

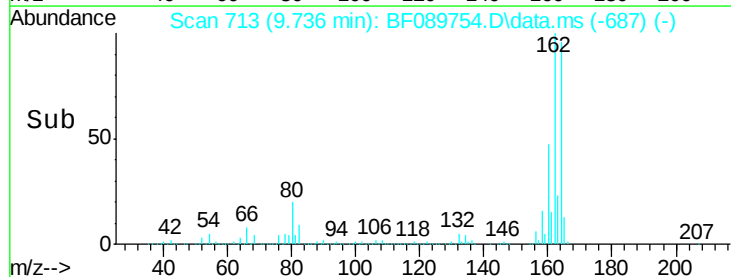
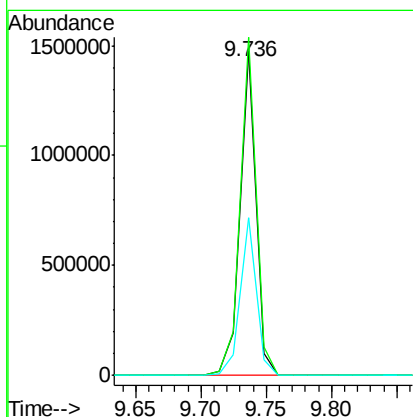
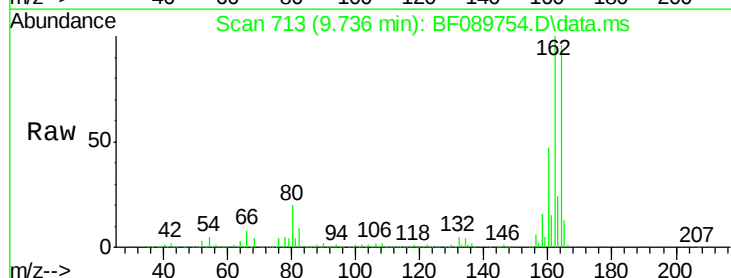
Instrument :
BNA_F
ClientSampleId :
9536DL

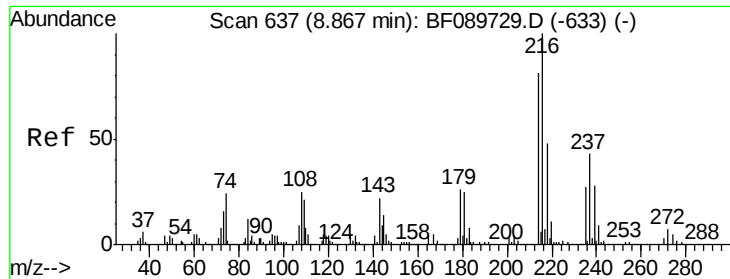
Tot Ion:142 Resp: 810031
Ion Ratio Lower Upper
142 100
141 88.6 71.4 107.2
115 34.0 22.7 34.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.736 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:164 Resp: 1225253
Ion Ratio Lower Upper
164 100
162 104.2 81.4 122.2
160 48.6 37.8 56.6

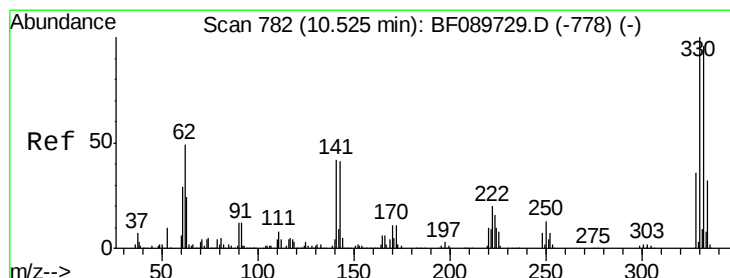
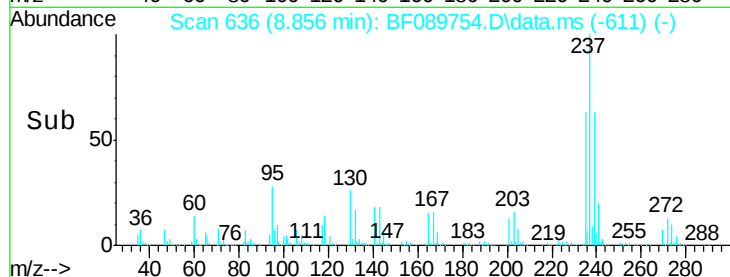
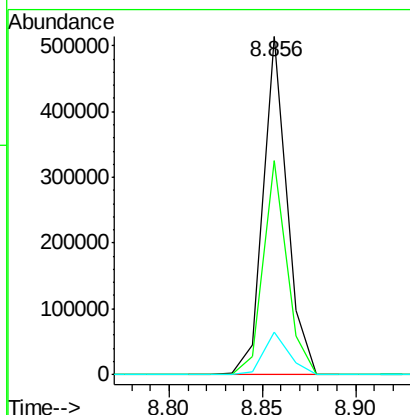
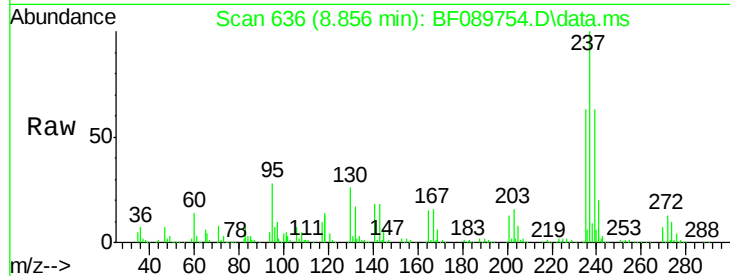




#40
Hexachlorocyclopentadiene
Concen: 25.77 ng
RT: 8.856 min Scan# 63
Delta R.T. -0.011 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

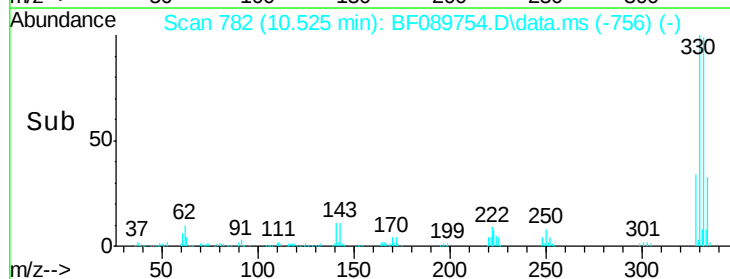
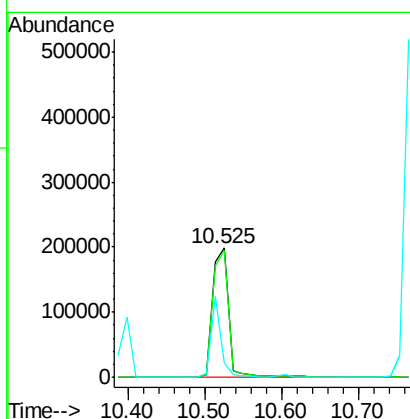
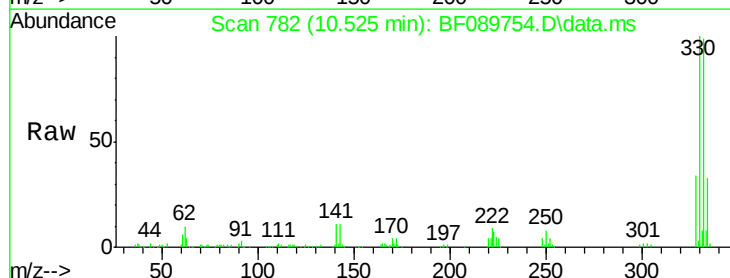
Instrument :
BNA_F
ClientSampleId :
9536DL

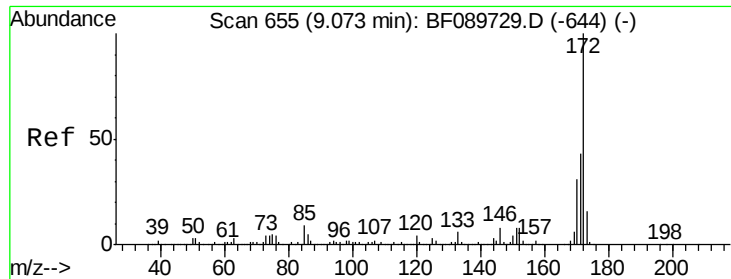
Tot Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.7	83.7
272	12.6	0.0	31.6



#41
2,4,6-Tribromophenol
Concen: 24.12 ng
RT: 10.525 min Scan# 782
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.7	115.1
141	38.7	30.2	45.2

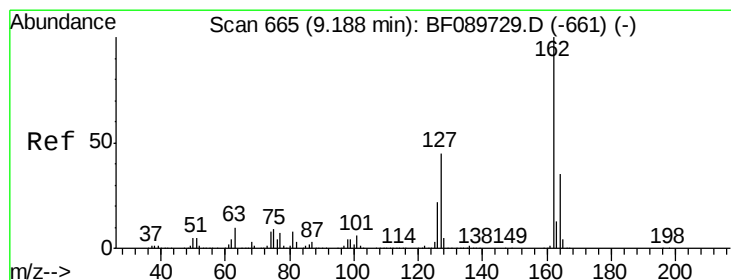
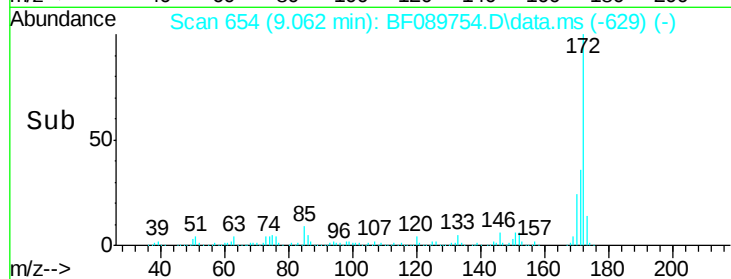
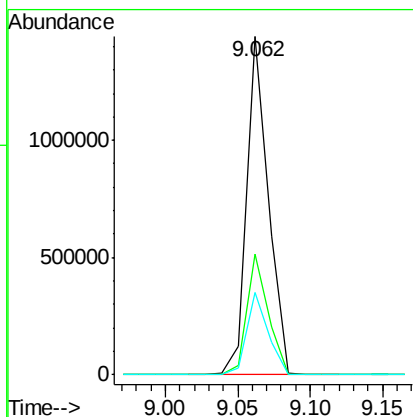
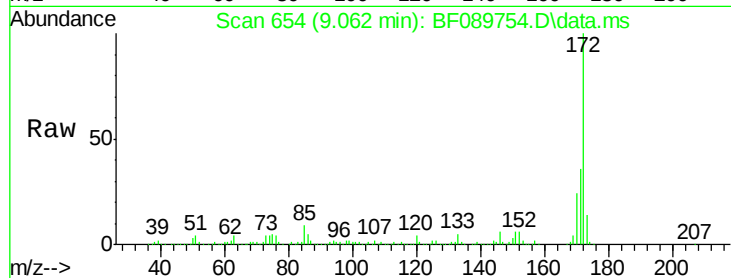




#44
 2-Fluorobiphenyl
 Concen: 19.46 ng
 RT: 9.062 min Scan# 65
 Delta R.T. -0.011 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

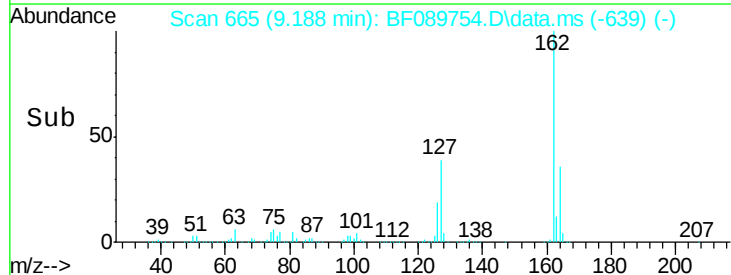
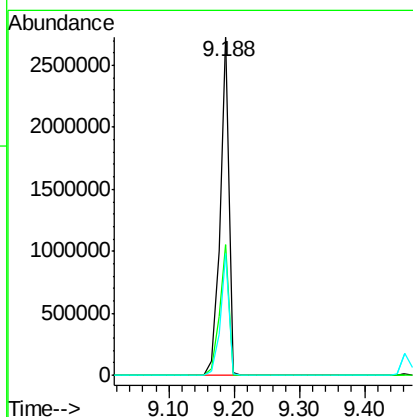
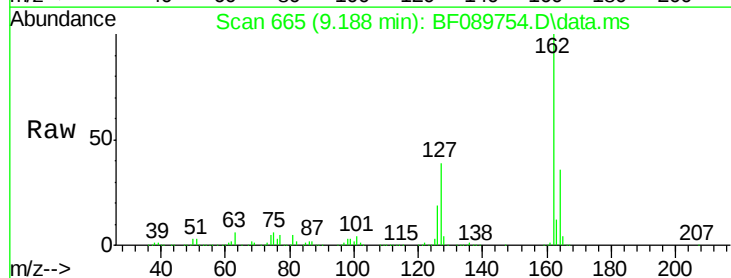
Instrument :
 BNA_F
 ClientSampleId :
 9536DL

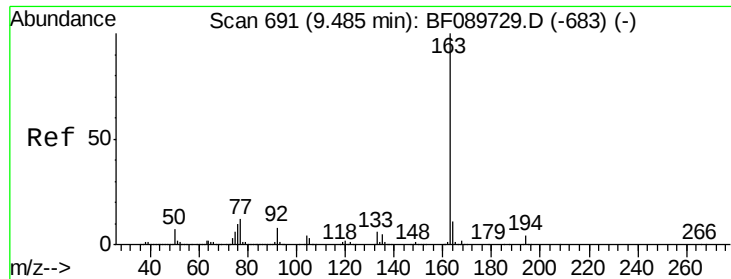
Tot Ion:172 Resp: 1485937
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.5 45.7
 170 24.3 20.6 31.0



#46
 2-Chloronaphthalene
 Concen: 34.94 ng
 RT: 9.188 min Scan# 665
 Delta R.T. 0.000 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion:162 Resp: 2656476
 Ion Ratio Lower Upper
 162 100
 127 38.6 35.5 53.3
 164 35.9 26.6 40.0





#49

Dimethylphthalate

Concen: 18.76 ng

RT: 9.462 min Scan# 68

Delta R.T. -0.023 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

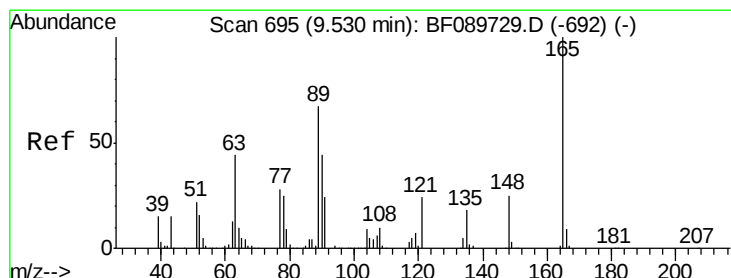
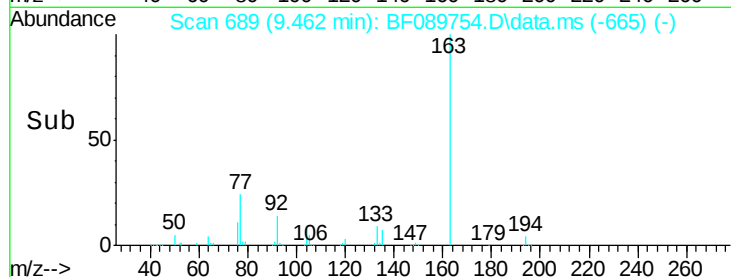
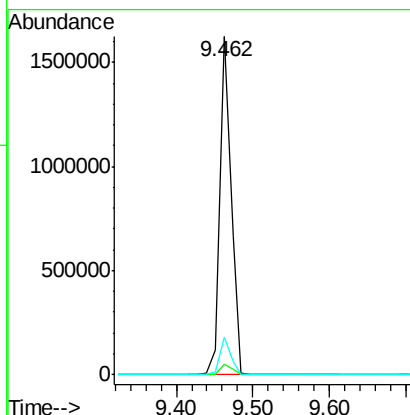
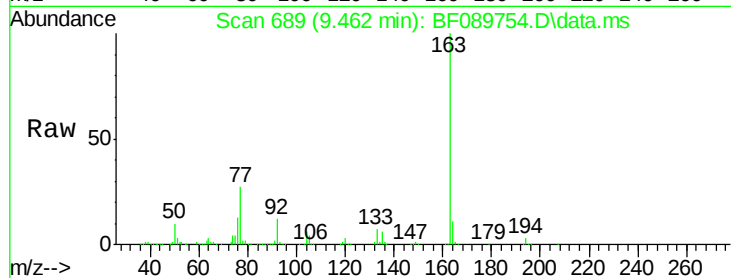
Tot Ion:163 Resp: 1663334

Ion Ratio Lower Upper

163 100

194 2.9 2.6 3.8

164 10.9 8.6 12.8



#50

2,6-Dinitrotoluene

Concen: 12.59 ng

RT: 9.519 min Scan# 694

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

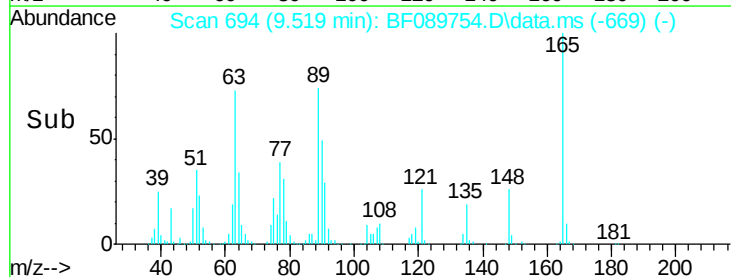
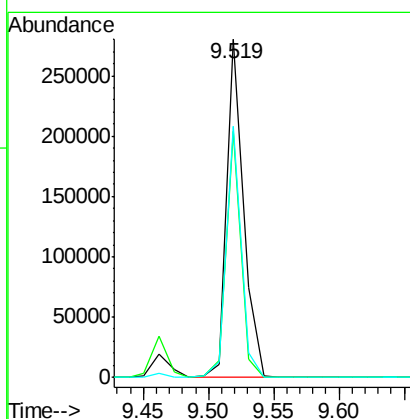
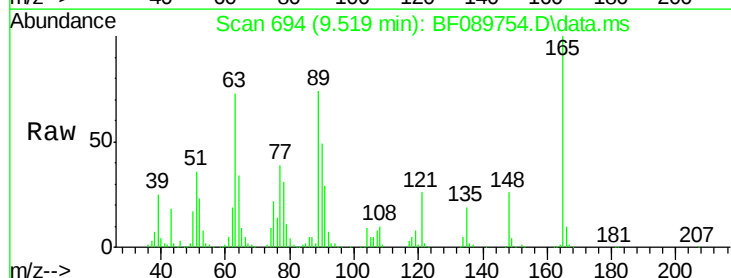
Tgt Ion:165 Resp: 252612

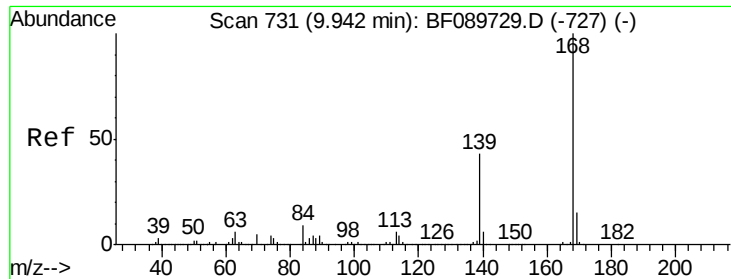
Ion Ratio Lower Upper

165 100

63 72.8 41.7 62.5#

89 74.2 44.6 67.0#

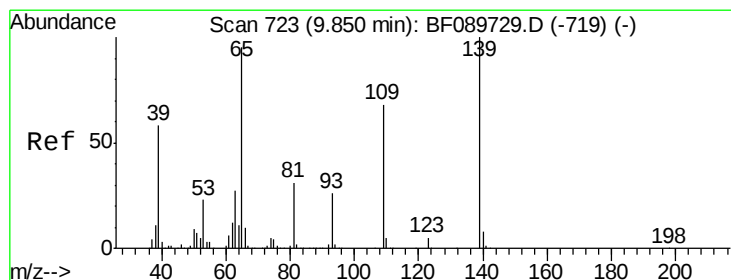
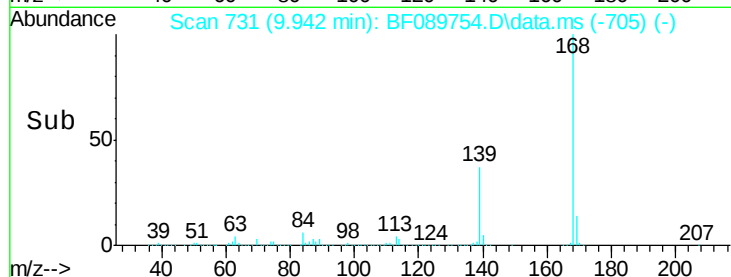
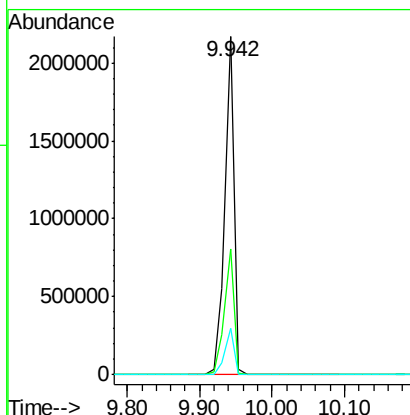
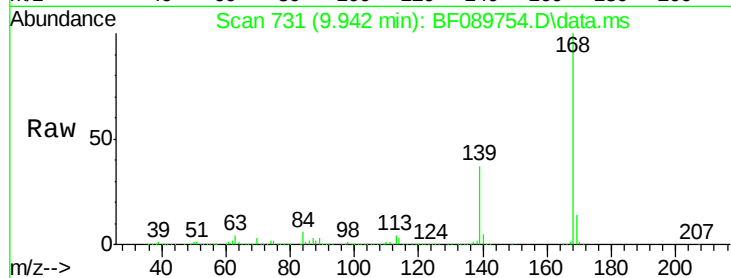




#54
Dibenzofuran
Concen: 19.72 ng
RT: 9.942 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

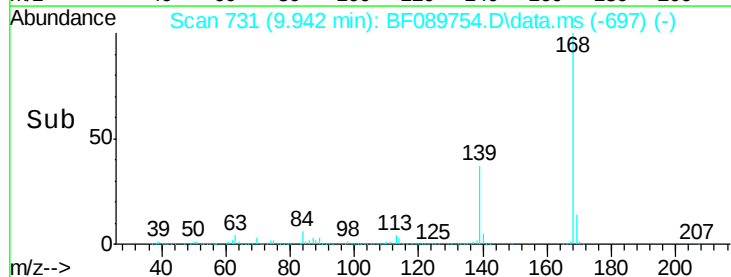
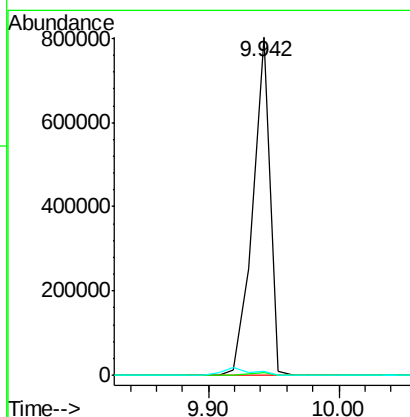
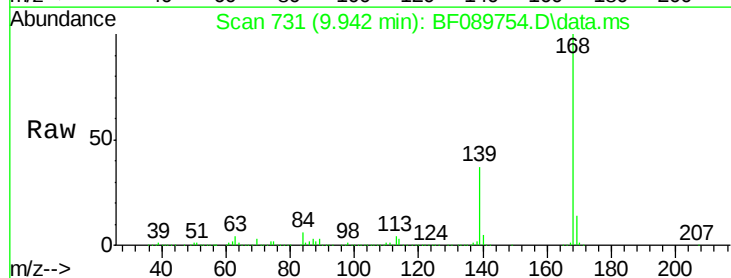
Instrument :
BNA_F
ClientSampleId :
9536DL

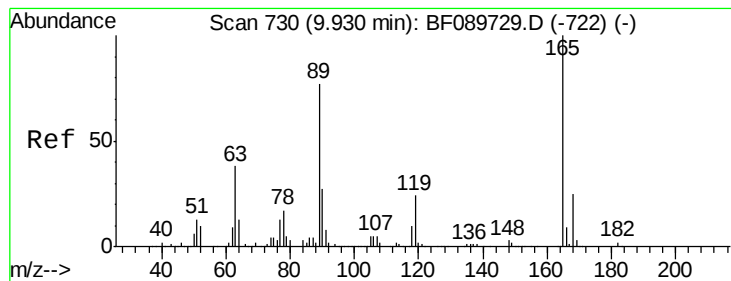
Tot Ion:168 Resp: 1916676
Ion Ratio Lower Upper
168 100
139 37.0 34.6 52.0
169 13.8 11.5 17.3



#55
4-Nitrophenol
Concen: 41.31 ng
RT: 9.942 min Scan# 731
Delta R.T. 0.092 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:139 Resp: 741473
Ion Ratio Lower Upper
139 100
109 0.7 43.0 83.0#
65 1.1 55.7 95.7#





#56

2,4-Dinitrotoluene

Concen: 13.92 ng

RT: 9.919 min Scan# 72

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

Tot Ion:165 Resp: 358932

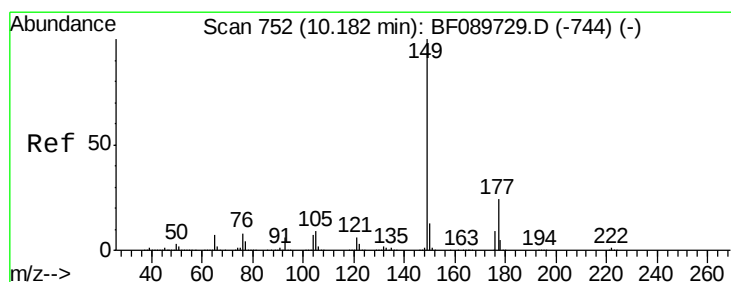
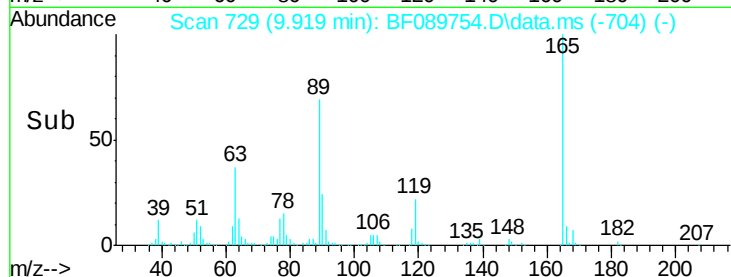
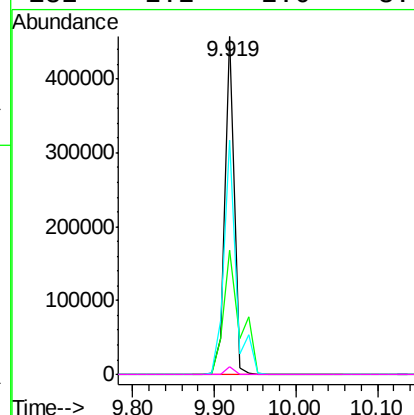
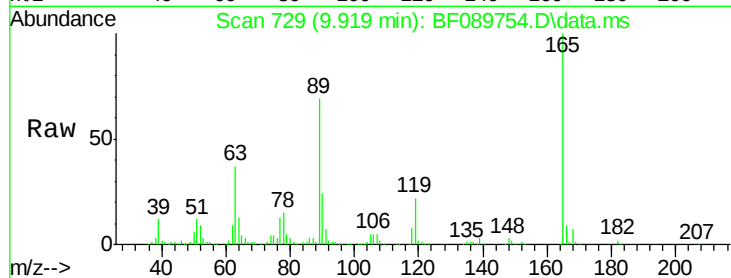
Ion Ratio Lower Upper

165 100

63 36.9 23.7 35.5#

89 69.3 44.0 66.0#

182 2.2 2.0 3.0



#59

Diethylphthalate

Concen: 27.82 ng

RT: 10.171 min Scan# 751

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

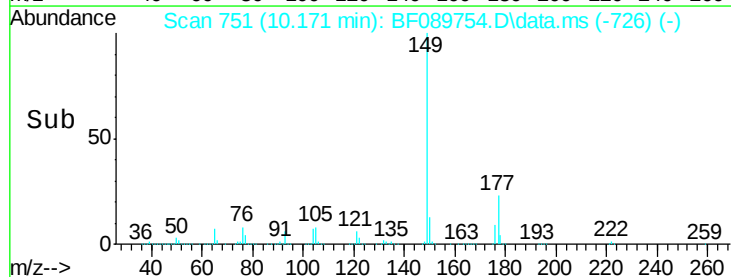
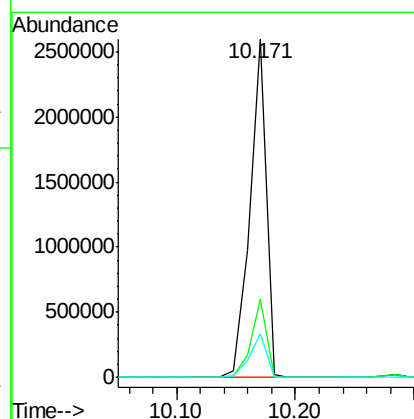
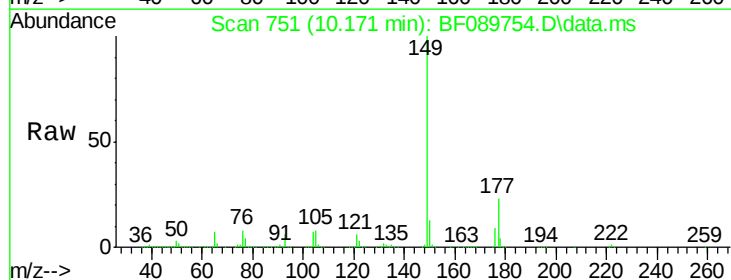
Tgt Ion:149 Resp: 2500411

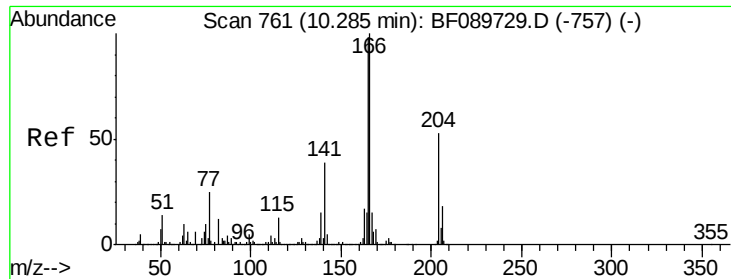
Ion Ratio Lower Upper

149 100

177 23.2 16.6 25.0

150 13.0 10.5 15.7

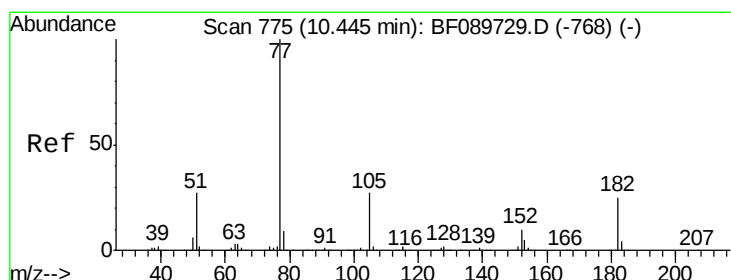
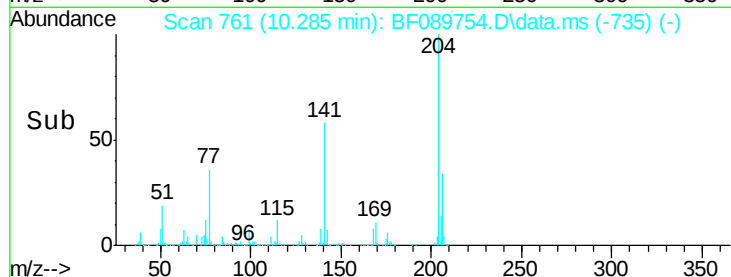
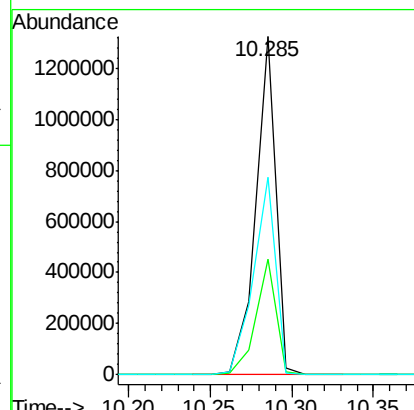
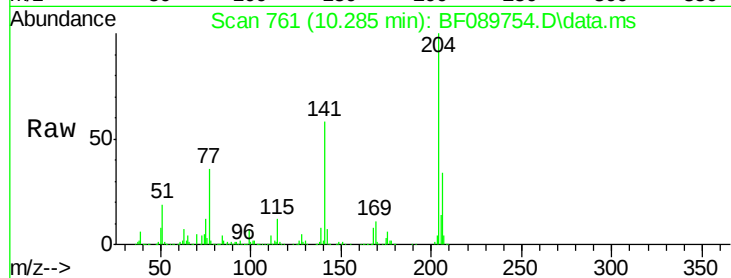




#60
4-Chlorophenyl-phenylether
Concen: 29.44 ng
RT: 10.285 min Scan# 761
Delta R.T. 0.001 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

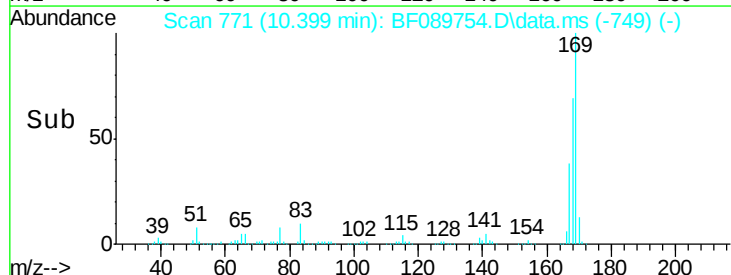
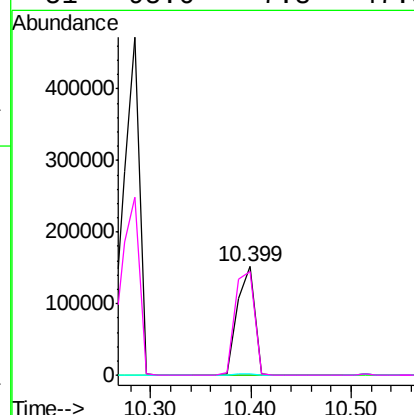
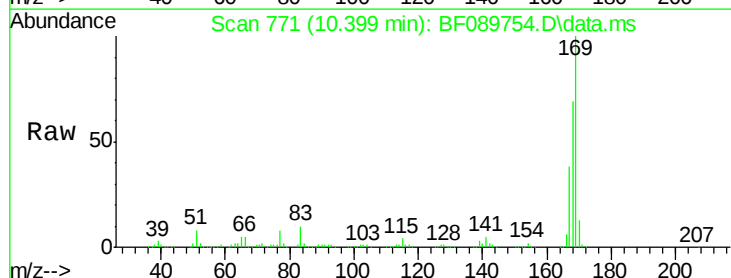
Instrument :
BNA_F
ClientSampleId :
9536DL

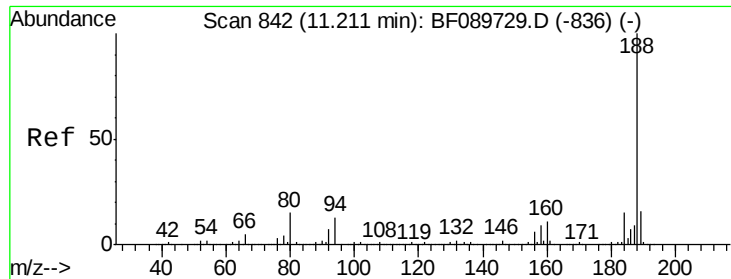
Tot Ion:204 Resp: 1135326
Ion Ratio Lower Upper
204 100
206 34.0 26.5 39.7
141 58.4 54.1 81.1



#62
Azobenzene
Concen: 2.14 ng
RT: 10.399 min Scan# 771
Delta R.T. -0.046 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion: 77 Resp: 181778
Ion Ratio Lower Upper
77 100
182 0.0 5.6 45.6#
105 1.4 4.0 44.0#
51 95.6 7.8 47.8#

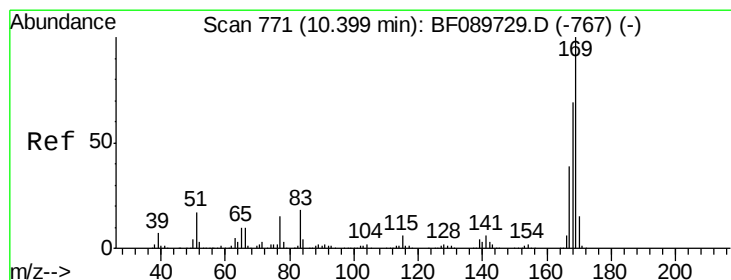
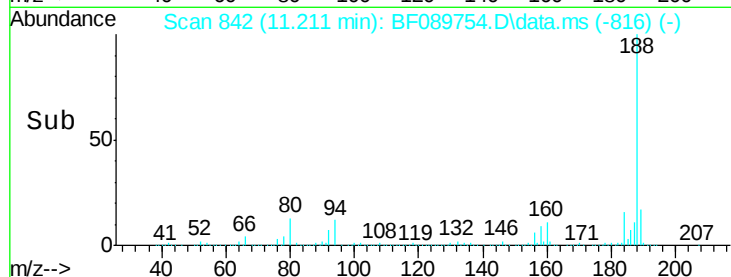
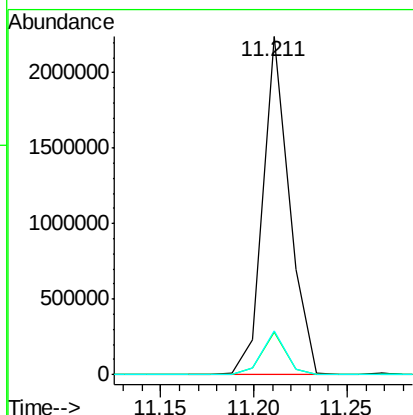
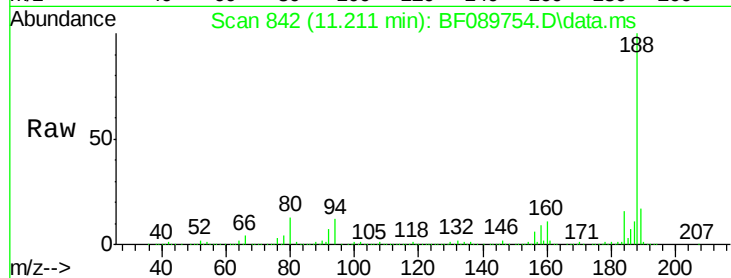




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.211 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

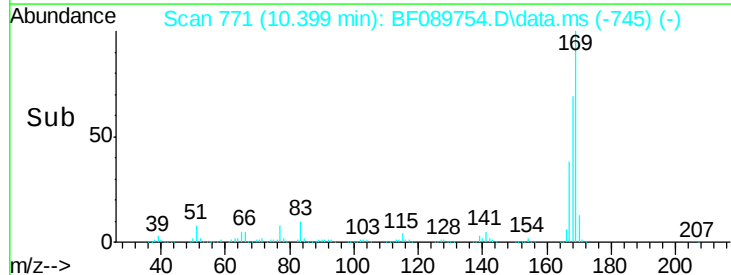
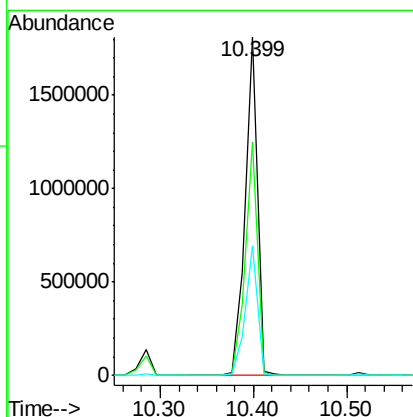
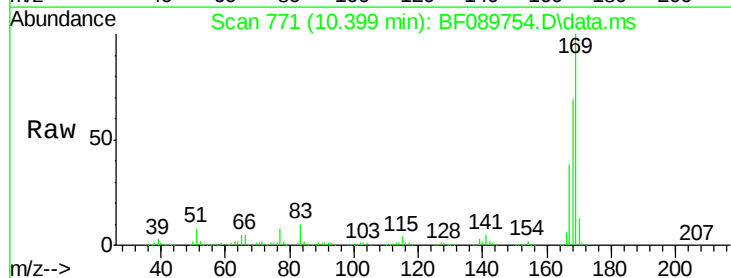
Instrument :
BNA_F
ClientSampleId :
9536DL

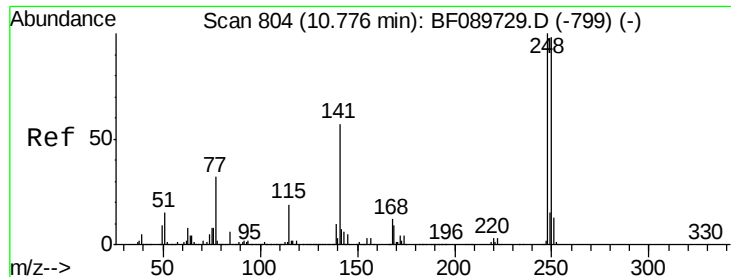
Tot Ion:188 Resp: 2184725
Ion Ratio Lower Upper
188 100
94 12.4 10.2 15.2
80 13.1 10.9 16.3



#65
n-Nitrosodiphenylamine
Concen: 24.13 ng
RT: 10.399 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:169 Resp: 1654580
Ion Ratio Lower Upper
169 100
168 69.0 54.6 82.0
167 38.5 30.6 45.8

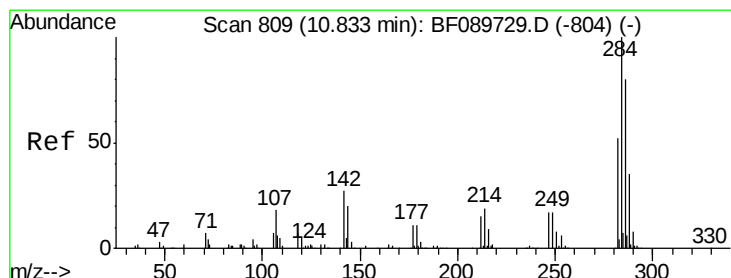
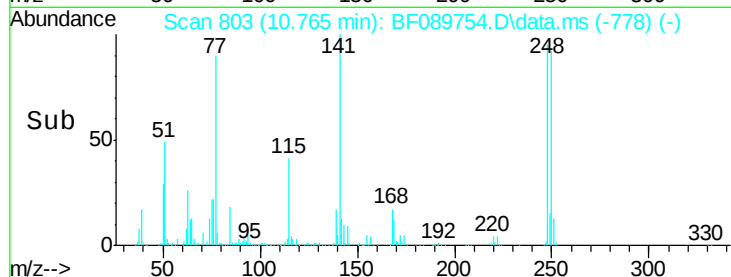
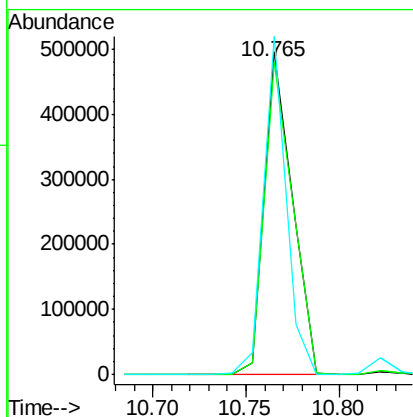
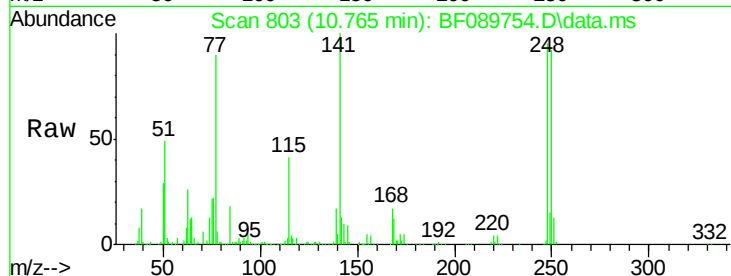




#66
4-Bromophenyl-phenylether
Concen: 22.54 ng
RT: 10.765 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

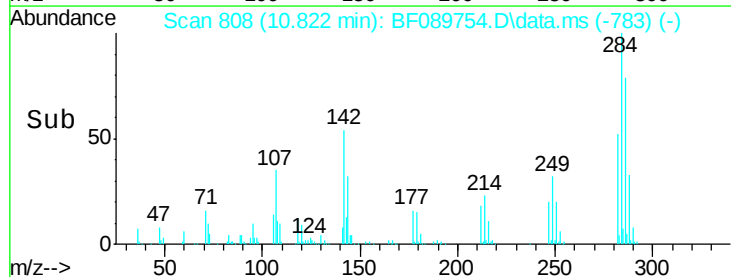
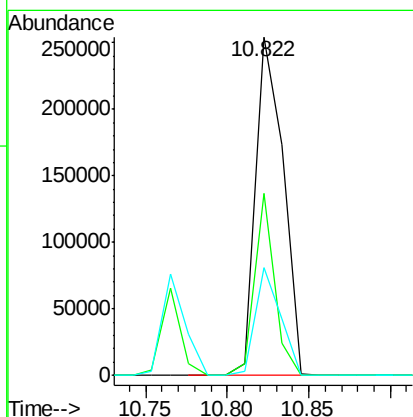
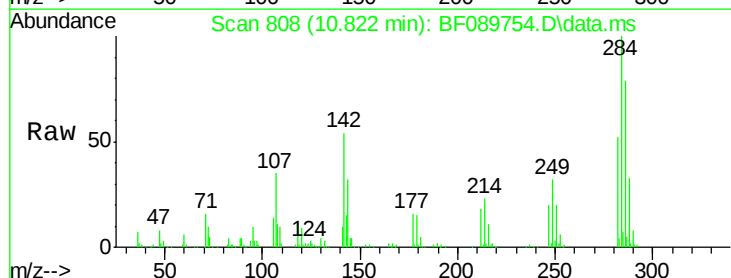
Instrument :
BNA_F
ClientSampleId :
9536DL

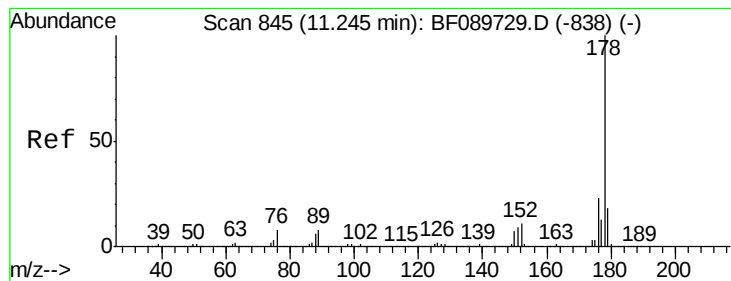
Tot Ion	Ratio	Lower	Upper
248	100		
250	96.9	78.6	117.8
141	104.9	31.4	47.2#



#67
Hexachlorobenzene
Concen: 11.95 ng
RT: 10.822 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
284	100		
142	53.9	17.4	26.2#
249	32.0	22.8	34.2





#70

Phenanthrene

Concen: 27.96 ng

RT: 11.234 min Scan# 84

Delta R.T. -0.010 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

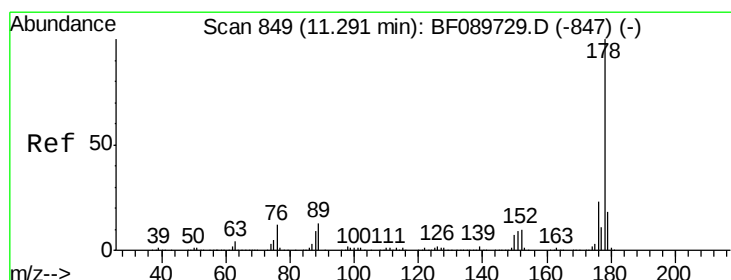
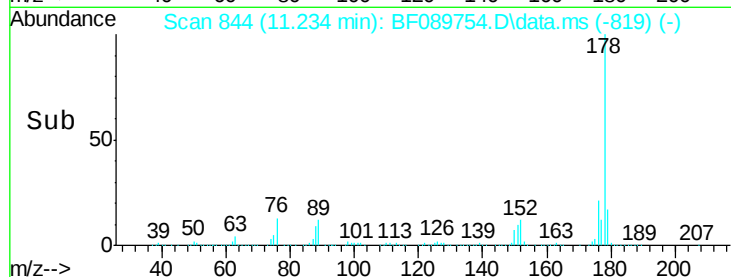
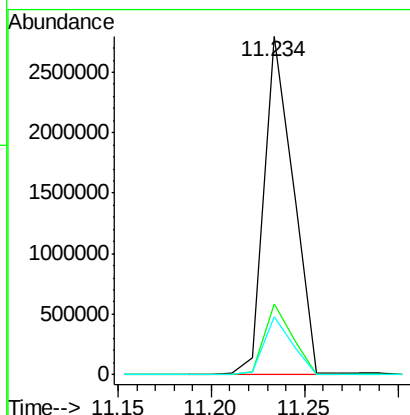
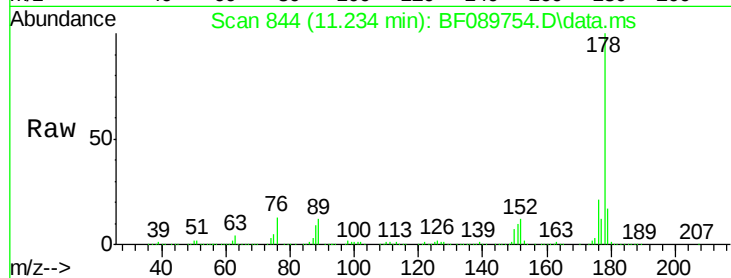
Tot Ion:178 Resp: 3002918

Ion Ratio Lower Upper

178 100

176 21.0 16.4 24.6

179 17.2 12.5 18.7



#71

Anthracene

Concen: 26.76 ng

RT: 11.234 min Scan# 844

Delta R.T. -0.057 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

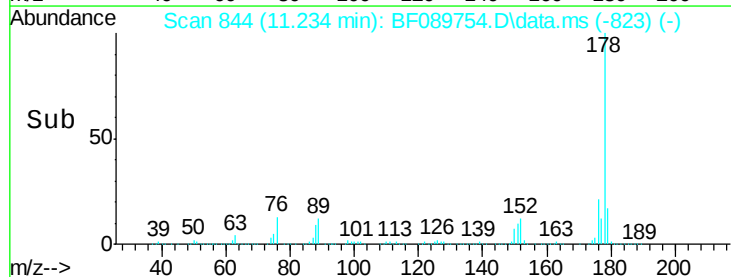
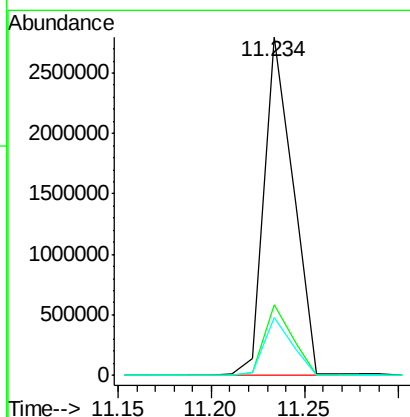
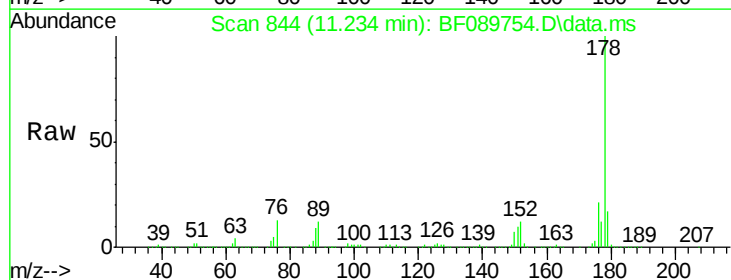
Tgt Ion:178 Resp: 3002918

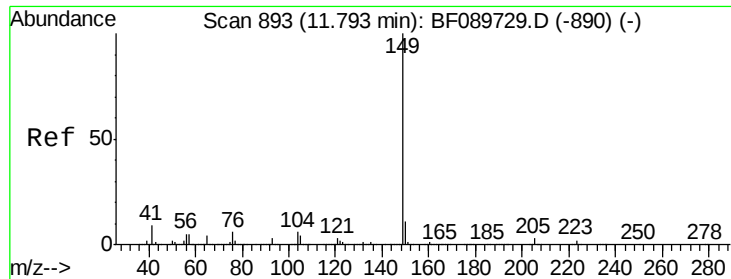
Ion Ratio Lower Upper

178 100

176 21.0 16.4 24.6

179 17.2 13.1 19.7

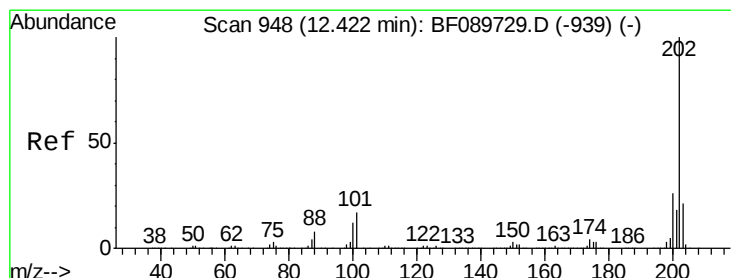
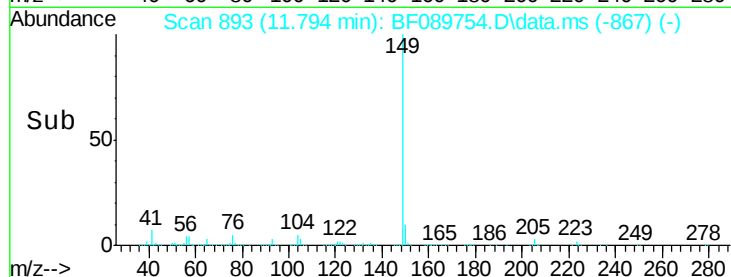
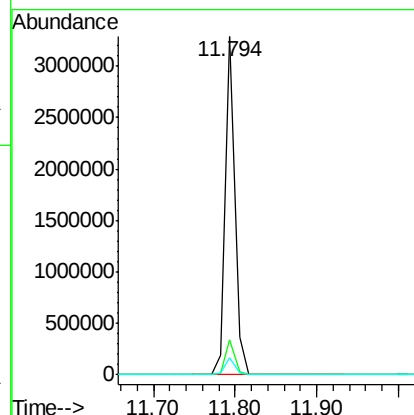
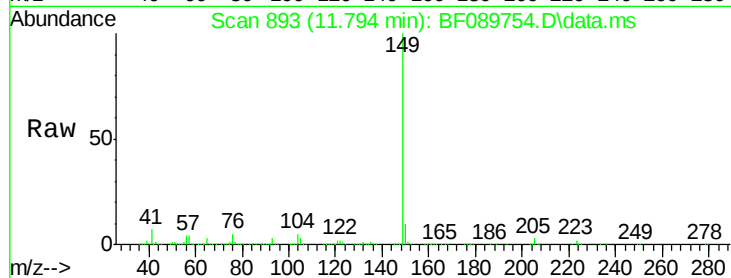




#73
Di-n-butylphthalate
Concen: 20.51 ng
RT: 11.794 min Scan# 89
Delta R.T. 0.001 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

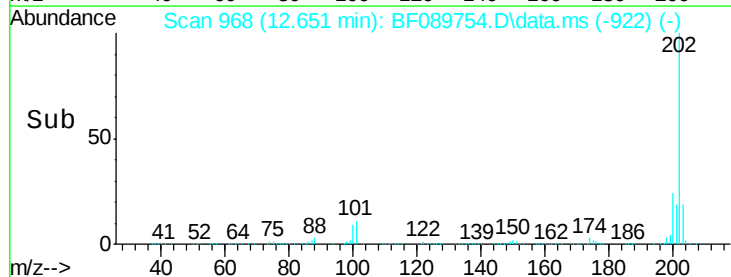
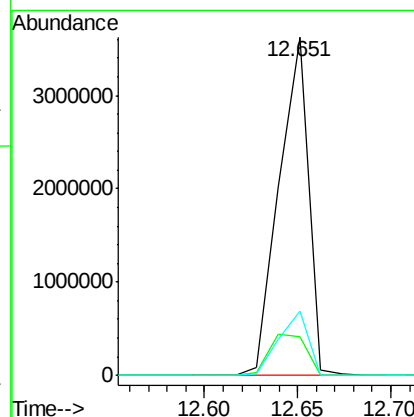
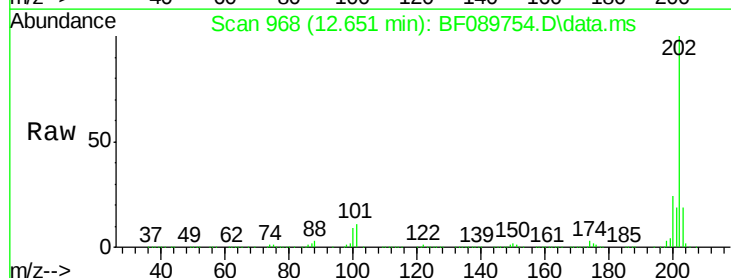
Instrument :
BNA_F
ClientSampleId :
9536DL

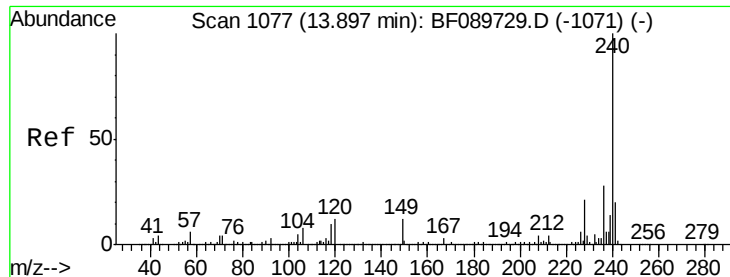
Tot Ion:149 Resp: 2651871
Ion Ratio Lower Upper
149 100
150 10.4 7.9 11.9
104 5.1 4.3 6.5



#74
Fluoranthene
Concen: 36.82 ng
RT: 12.651 min Scan# 968
Delta R.T. 0.229 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:202 Resp: 3972869
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.2
203 19.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.885 min Scan# 10

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleID :

9536DL

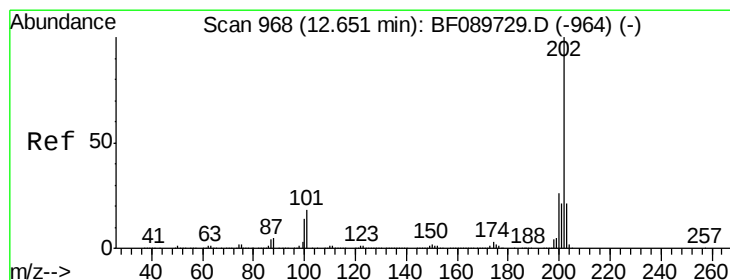
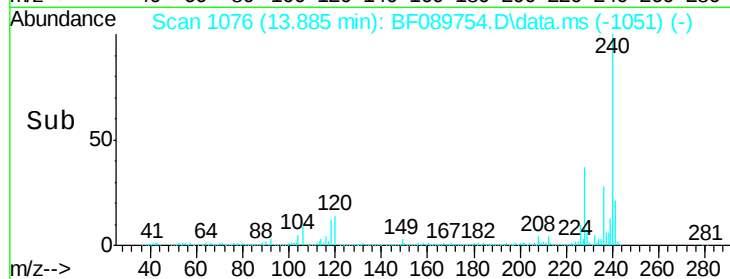
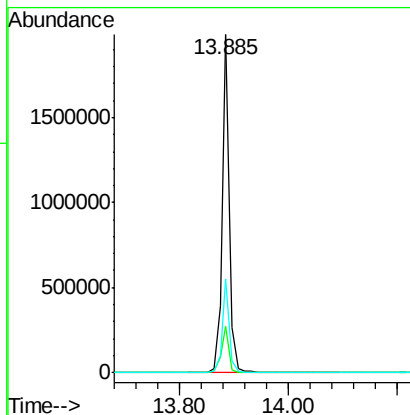
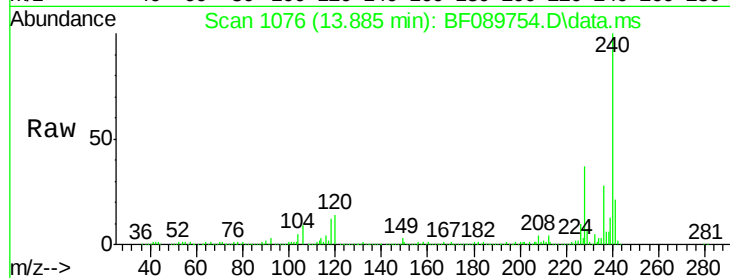
Tot Ion:240 Resp: 1864906

Ion Ratio Lower Upper

240 100

120 13.6 8.3 12.5#

236 27.8 21.3 31.9



#77

Pyrene

Concen: 32.68 ng

RT: 12.651 min Scan# 968

Delta R.T. 0.000 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

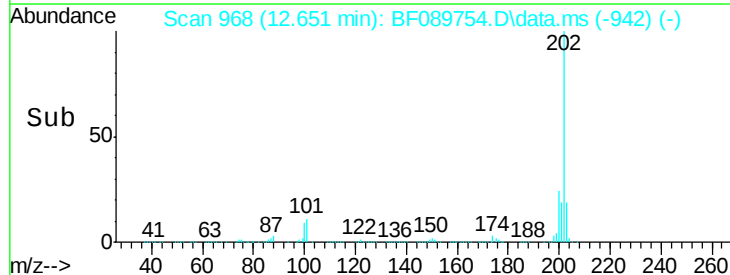
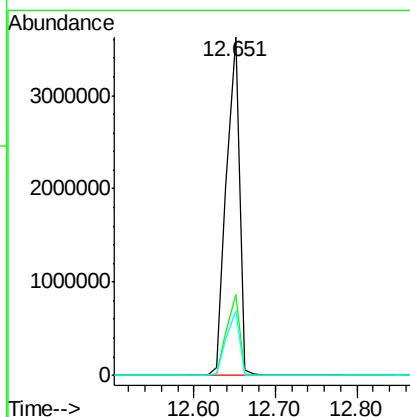
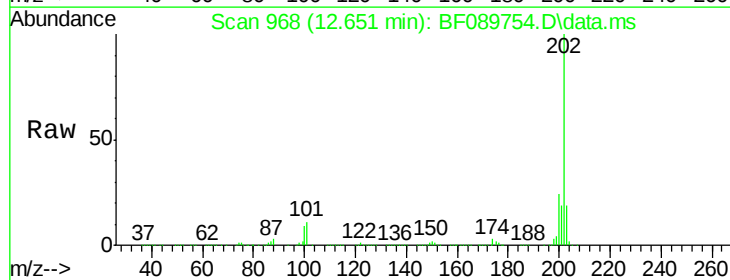
Tgt Ion:202 Resp: 3988243

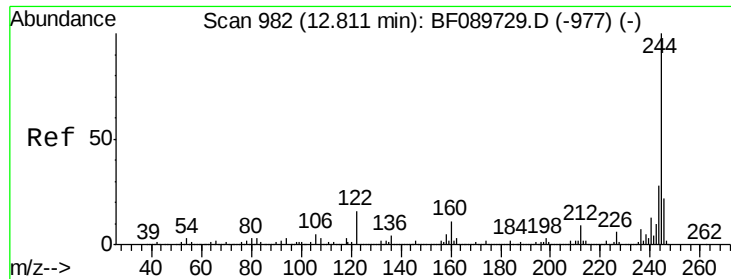
Ion Ratio Lower Upper

202 100

200 23.8 17.8 26.6

203 19.1 14.2 21.4





#78

Terphenyl-d14

Concen: 24.67 ng

RT: 12.799 min Scan# 981

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

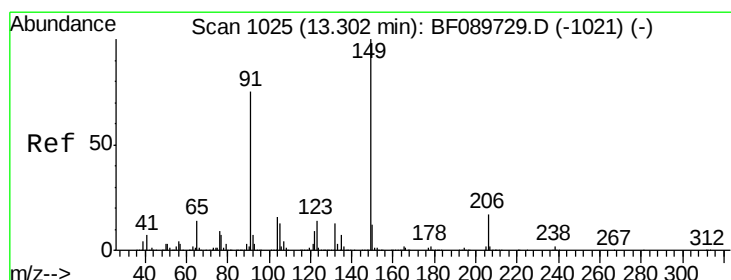
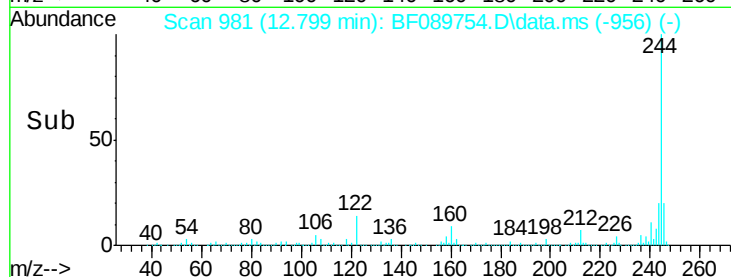
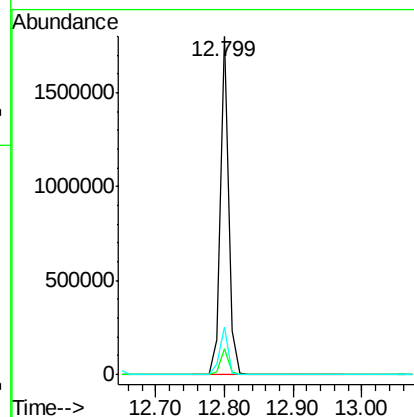
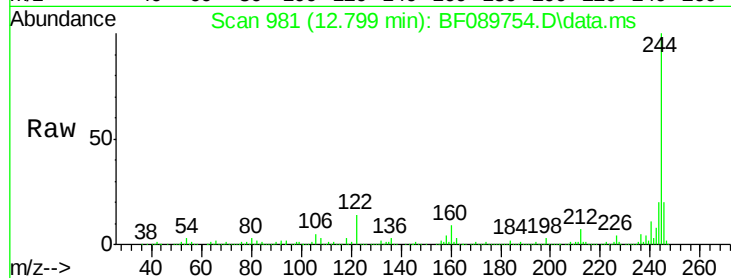
Tot Ion:244 Resp: 1539858

Ion Ratio Lower Upper

244 100

212 7.5 6.3 9.5

122 14.0 12.0 18.0



#79

Butylbenzylphthalate

Concen: 30.67 ng

RT: 13.302 min Scan# 1025

Delta R.T. 0.000 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

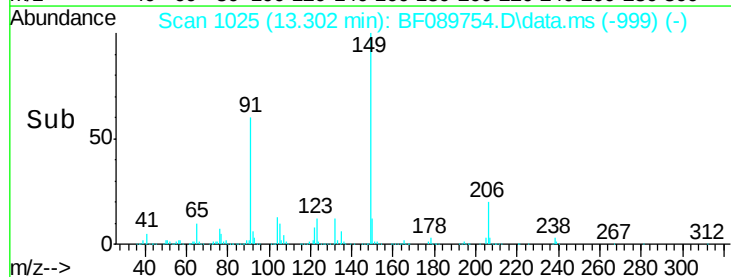
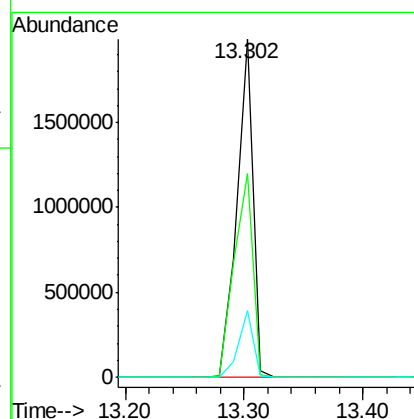
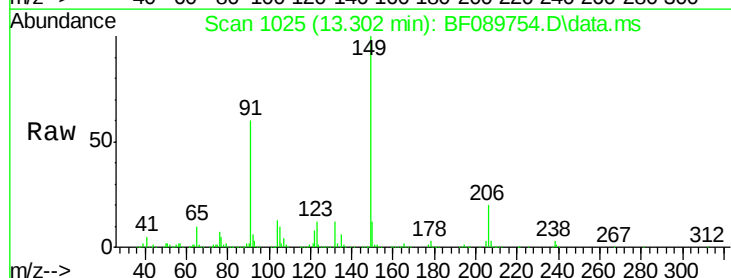
Tgt Ion:149 Resp: 1877981

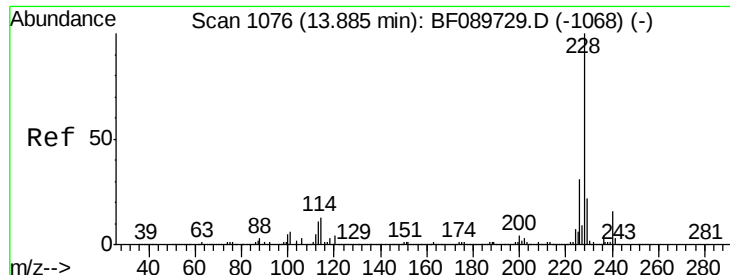
Ion Ratio Lower Upper

149 100

91 60.3 50.7 76.1

206 19.8 15.5 23.3





#80

Benzo(a)anthracene

Concen: 33.59 ng

RT: 13.874 min Scan# 1075

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

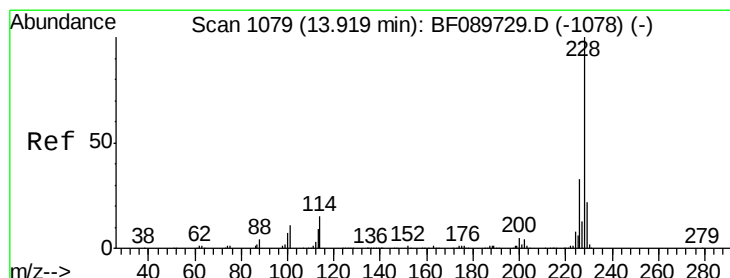
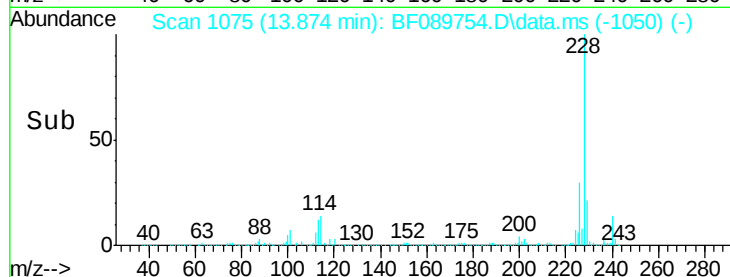
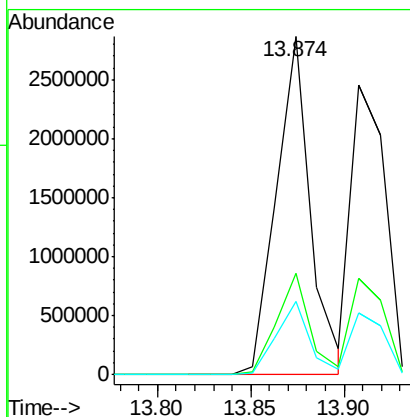
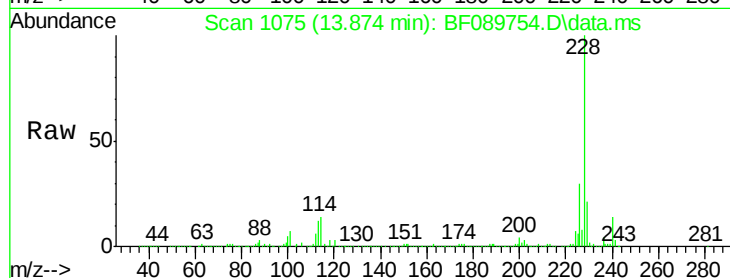
Tot Ion:228 Resp: 3638924

Ion Ratio Lower Upper

228 100

226 30.1 23.2 34.8

229 21.4 16.2 24.4



#82

Chrysene

Concen: 32.64 ng

RT: 13.908 min Scan# 1078

Delta R.T. -0.011 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

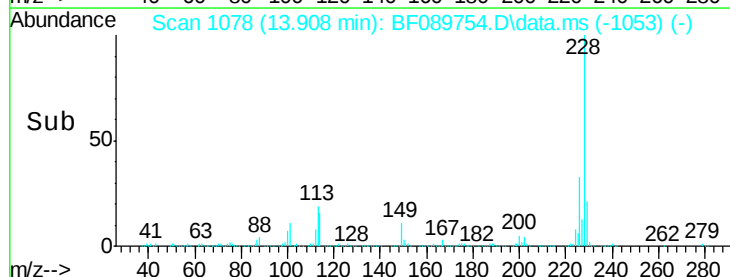
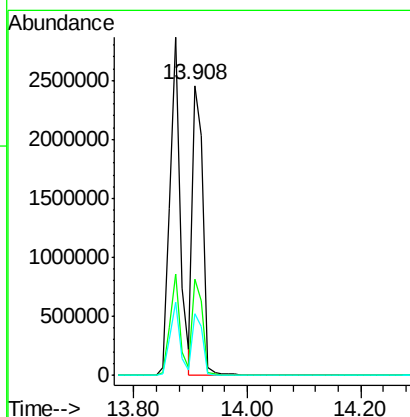
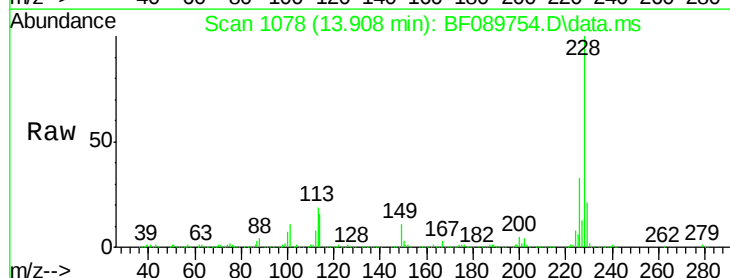
Tgt Ion:228 Resp: 3183251

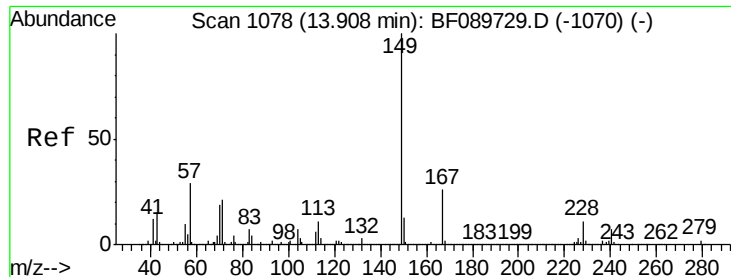
Ion Ratio Lower Upper

228 100

226 33.1 25.4 38.0

229 21.4 16.5 24.7

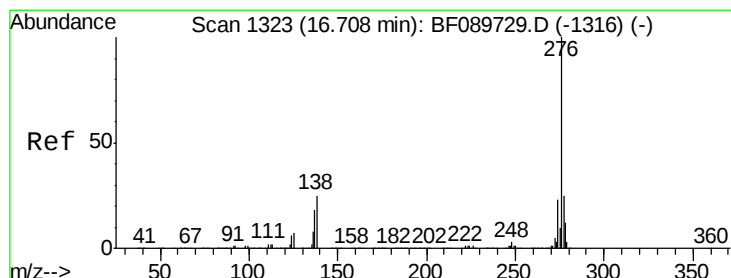
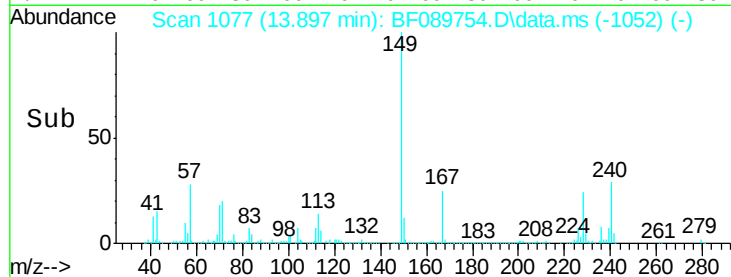
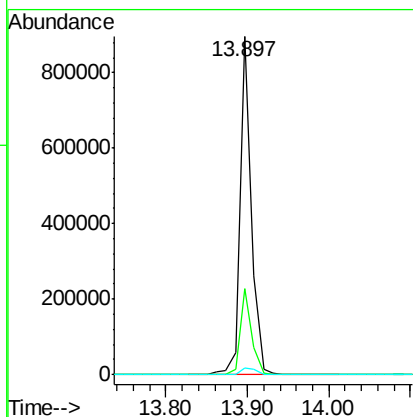
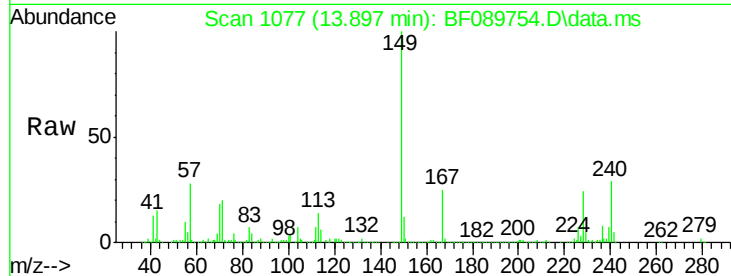




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.60 ng
 RT: 13.897 min Scan# 1078
 Delta R.T. -0.011 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

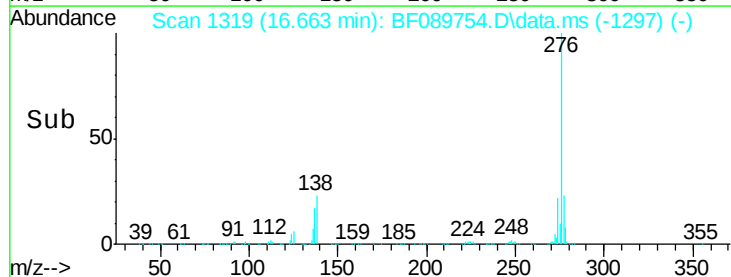
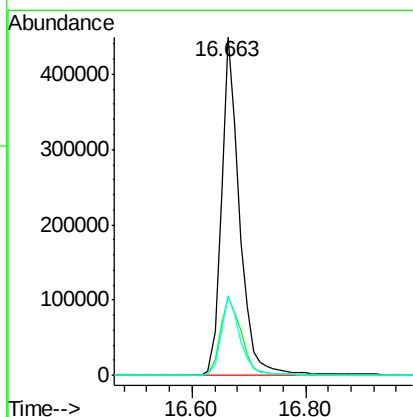
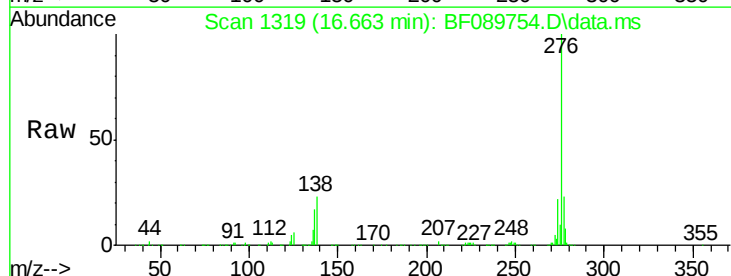
Instrument :
 BNA_F
 ClientSampleID :
 9536DL

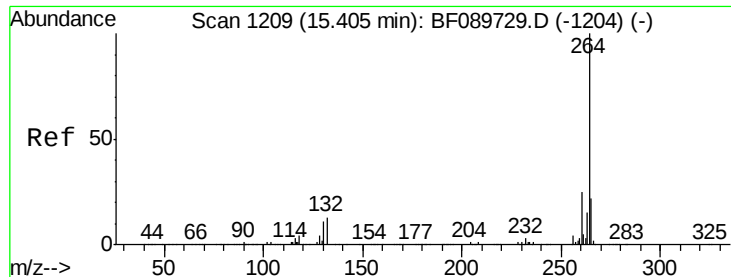
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.2	31.8
279	1.9	2.9	4.3#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.00 ng
 RT: 16.663 min Scan# 1319
 Delta R.T. -0.046 min
 Lab File: BF089754.D
 Acq: 17 Aug 2016 10:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	24.6	36.8
277	24.5	20.4	30.6



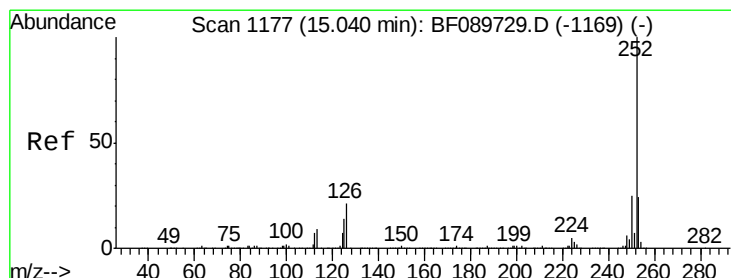
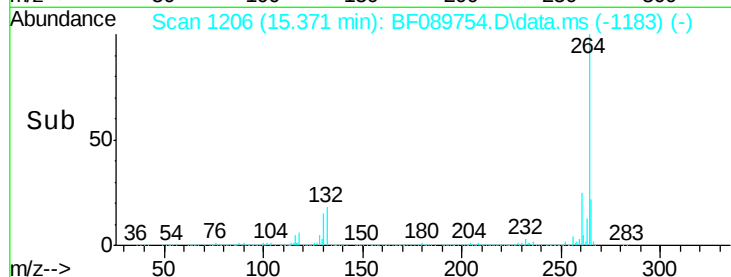
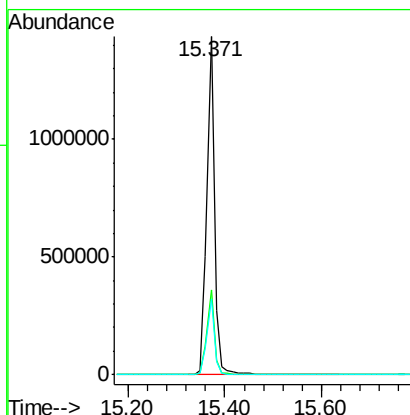
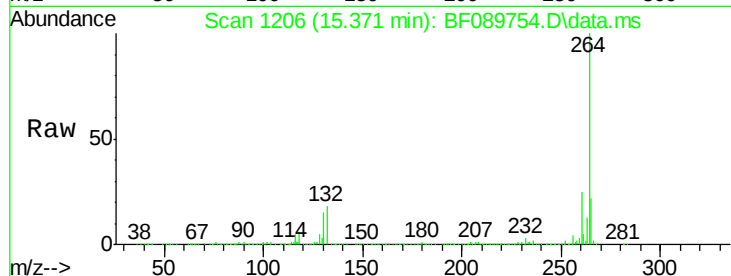


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.371 min Scan# 12
Delta R.T. -0.034 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Instrument :
BNA_F
ClientSampleId :
9536DL

Tot Ion:264 Resp: 1595620

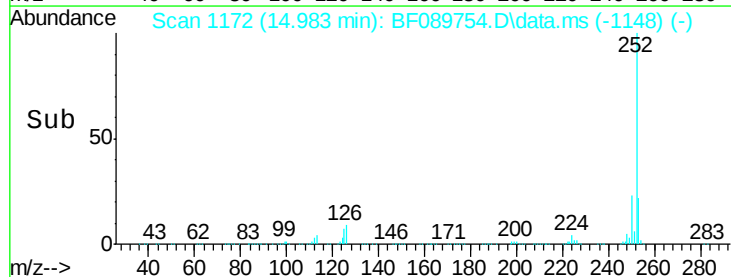
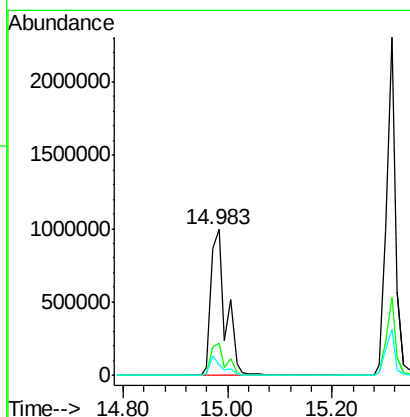
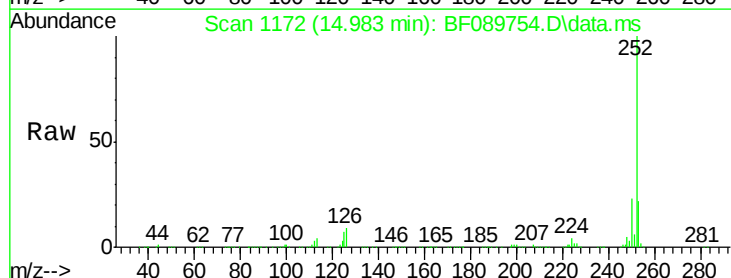
Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	22.3	17.4	26.2

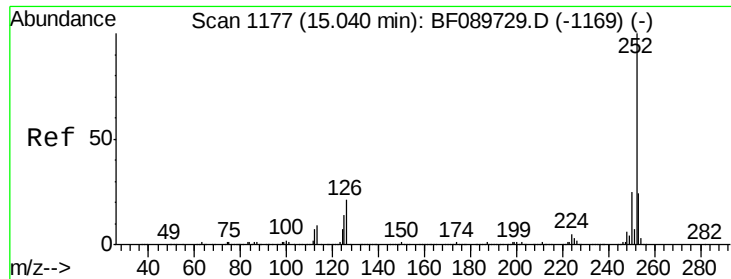


#87
Benzo(b)fluoranthene
Concen: 19.14 ng
RT: 14.983 min Scan# 1172
Delta R.T. -0.023 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:252 Resp: 1934646

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.8	11.4	17.2#

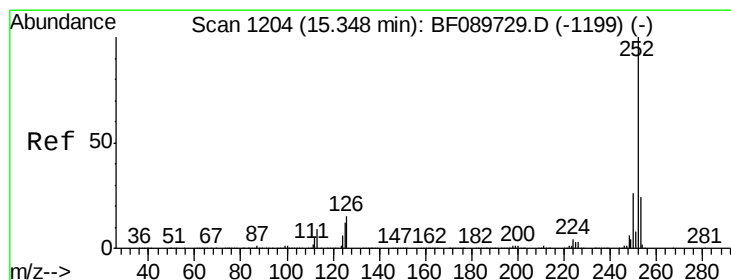
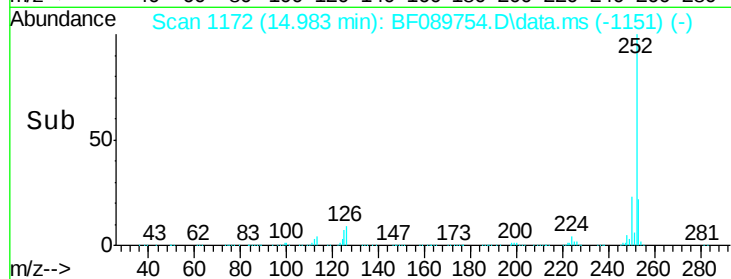
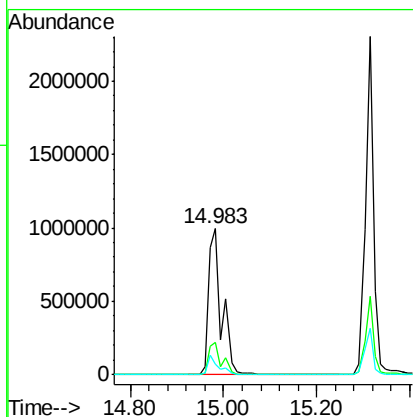
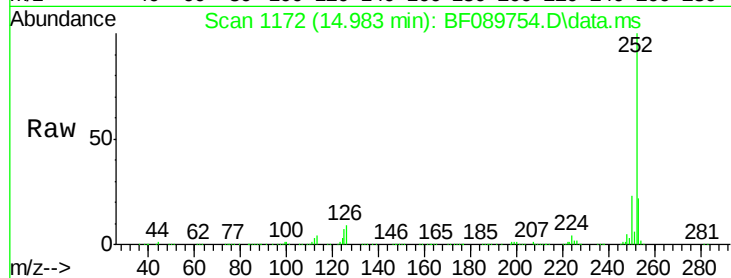




#88
Benzo(k)fluoranthene
Concen: 23.27 ng
RT: 14.983 min Scan# 111
Delta R.T. -0.056 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

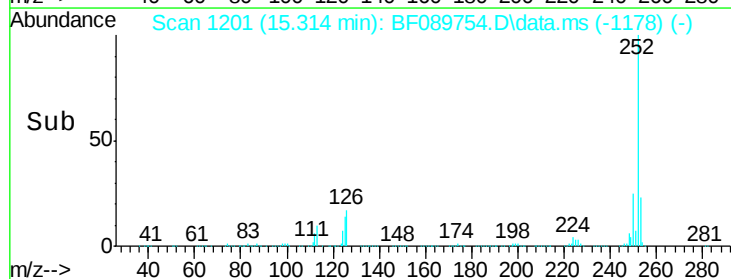
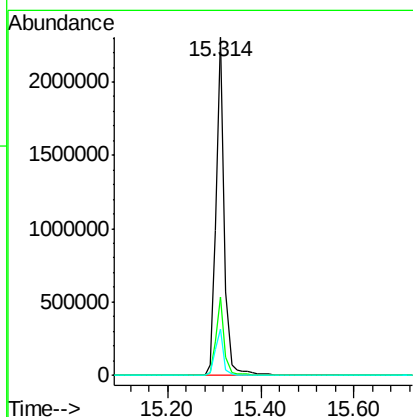
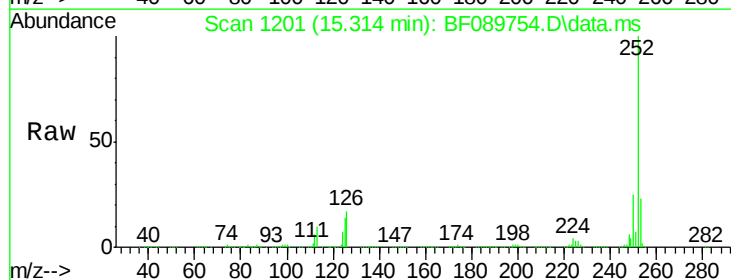
Instrument :
BNA_F
ClientSampleId :
9536DL

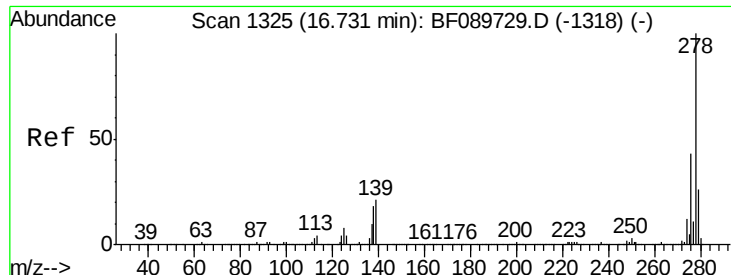
Tot Ion:252 Resp: 1936407
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 6.8 9.8 14.6#



#89
Benzo(a)pyrene
Concen: 34.11 ng
RT: 15.314 min Scan# 1201
Delta R.T. -0.034 min
Lab File: BF089754.D
Acq: 17 Aug 2016 10:26

Tgt Ion:252 Resp: 2847502
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 13.6 11.7 17.5





#90

Dibenzo(a,h)anthracene

Concen: 10.23 ng

RT: 16.686 min Scan# 1321

Delta R.T. -0.046 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Instrument :

BNA_F

ClientSampleId :

9536DL

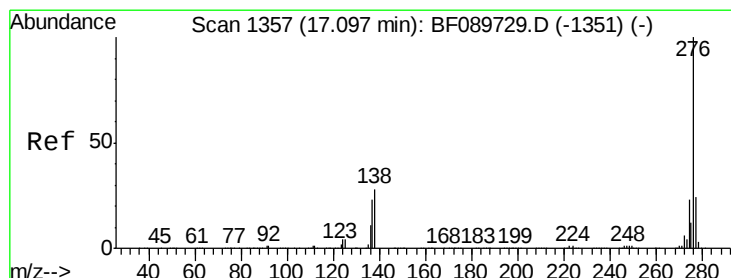
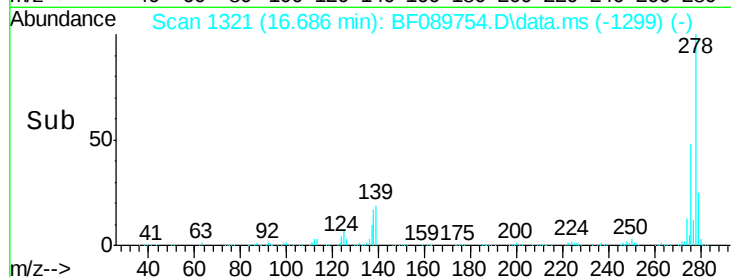
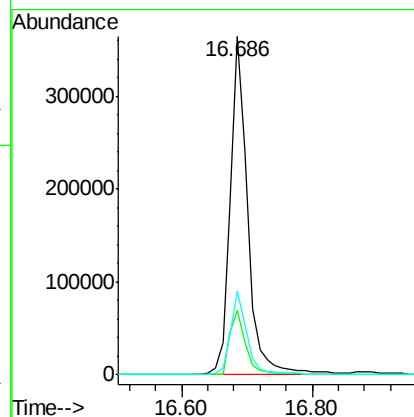
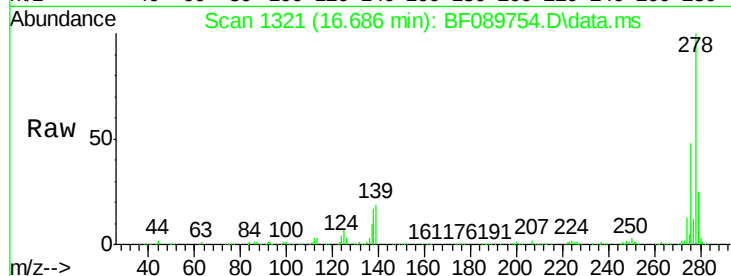
Tot Ion:278 Resp: 672437

Ion Ratio Lower Upper

278 100

139 18.9 14.9 22.3

279 24.6 19.2 28.8



#91

Benzo(g,h,i)perylene

Concen: 19.20 ng

RT: 17.051 min Scan# 1353

Delta R.T. -0.046 min

Lab File: BF089754.D

Acq: 17 Aug 2016 10:26

Tgt Ion:276 Resp: 1284584

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 26.4 22.1 33.1

