

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081616\
 Data File : BF089756.D
 Acq On : 17 Aug 2016 11:18
 Operator : UM/SJ
 Sample : H4145-18DL 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9524DL

Quant Time: Aug 17 11:45:10 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	220381	20.00	ng	0.16	
21) Naphthalene-d8	7.987	136	2751685	20.00	ng	0.00	
38) Acenaphthene-d10	9.736	164	1286630	20.00	ng	0.00	
63) Phenanthrene-d10	11.211	188	2210629	20.00	ng	0.00	
75) Chrysene-d12	13.908	240	1926334	20.00	ng	0.01	
86) Perylene-d12	15.428	264	1617545	20.00	ng	0.02	
System Monitoring Compounds							
5) 2-Fluorophenol	5.267	112	426933	32.32	ng	-0.01	
7) Phenol-d6	6.319	99	576735	34.33	ng	-0.01	
23) Nitrobenzene-d5	7.256	82	343874	7.63	ng	-0.01	
41) 2,4,6-Tribromophenol	10.513	330	257385	20.68	ng	-0.01	
44) 2-Fluorobiphenyl	9.062	172	925702	11.54	ng	-0.01	
78) Terphenyl-d14	12.799	244	1150274	17.84	ng	-0.01	
Target Compounds							Qvalue
6) Aniline	6.433	93	279258	12.37	ng	#	56
8) 2-Chlorophenol	6.479	128	166767	10.61	ng	#	79
10) Phenol	6.330	94	677339	32.39	ng		84
11) bis(2-Chloroethyl)ether	6.433	93	279258	18.02	ng		97
12) 1,3-Dichlorobenzene	6.639	146	171441	10.21	ng	#	94
13) 1,4-Dichlorobenzene	6.639	146	171435	10.08	ng		96
15) Benzyl Alcohol	6.959	79	151874	13.53	ng	#	1
17) 2-Methylphenol	6.959	107	365203	29.26	ng		94
19) n-Nitroso-di-n-propyla...	7.256	70	47123	4.28	ng	#	80
20) 3+4-Methylphenols	7.107	107	602041	37.66	ng	#	46
24) Nitrobenzene	7.107	77	171588	3.38	ng	#	44
25) Isophorone	7.519	82	1449984	16.08	ng		98
26) 2-Nitrophenol	7.599	139	298728	12.52	ng	#	76
29) 2,4-Dichlorophenol	7.839	162	692037	18.39	ng		94
30) 1,2,4-Trichlorobenzene	7.930	180	858102	21.24	ng		97
31) Naphthalene	8.010	128	1220376	9.88	ng		98
33) 4-Chloroaniline	8.010	127	158927	2.78	ng	#	36
34) Hexachlorobutadiene	8.136	225	295297	13.91	ng		99
36) 4-Chloro-3-methylphenol	8.536	107	254710	6.22	ng		96
37) 2-Methylnaphthalene	8.696	142	968678	11.52	ng		97
42) 2,4,6-Trichlorophenol	9.005	196	452639	16.94	ng		99
43) 2,4,5-Trichlorophenol	9.005	196	452639	17.77	ng	#	90
46) 2-Chloronaphthalene	9.176	162	374733	4.69	ng		97
48) Acenaphthylene	9.599	152	916819	7.46	ng		97
49) Dimethylphthalate	9.462	163	179990	1.93	ng		99
50) 2,6-Dinitrotoluene	9.519	165	347715	16.50	ng	#	76
54) Dibenzofuran	9.942	168	3911258	38.32	ng		99
55) 4-Nitrophenol	9.839	139	199696	10.60	ng	#	77
56) 2,4-Dinitrotoluene	9.919	165	216508	7.99	ng	#	83
57) Fluorene	10.285	166	2124697	25.76	ng		99
59) Diethylphthalate	10.171	149	3386746	35.88	ng		96
60) 4-Chlorophenyl-phenyle...	10.285	204	1309314	32.34	ng		98
61) 4-Nitroaniline	10.285	138	30743	1.29	ng	#	48

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

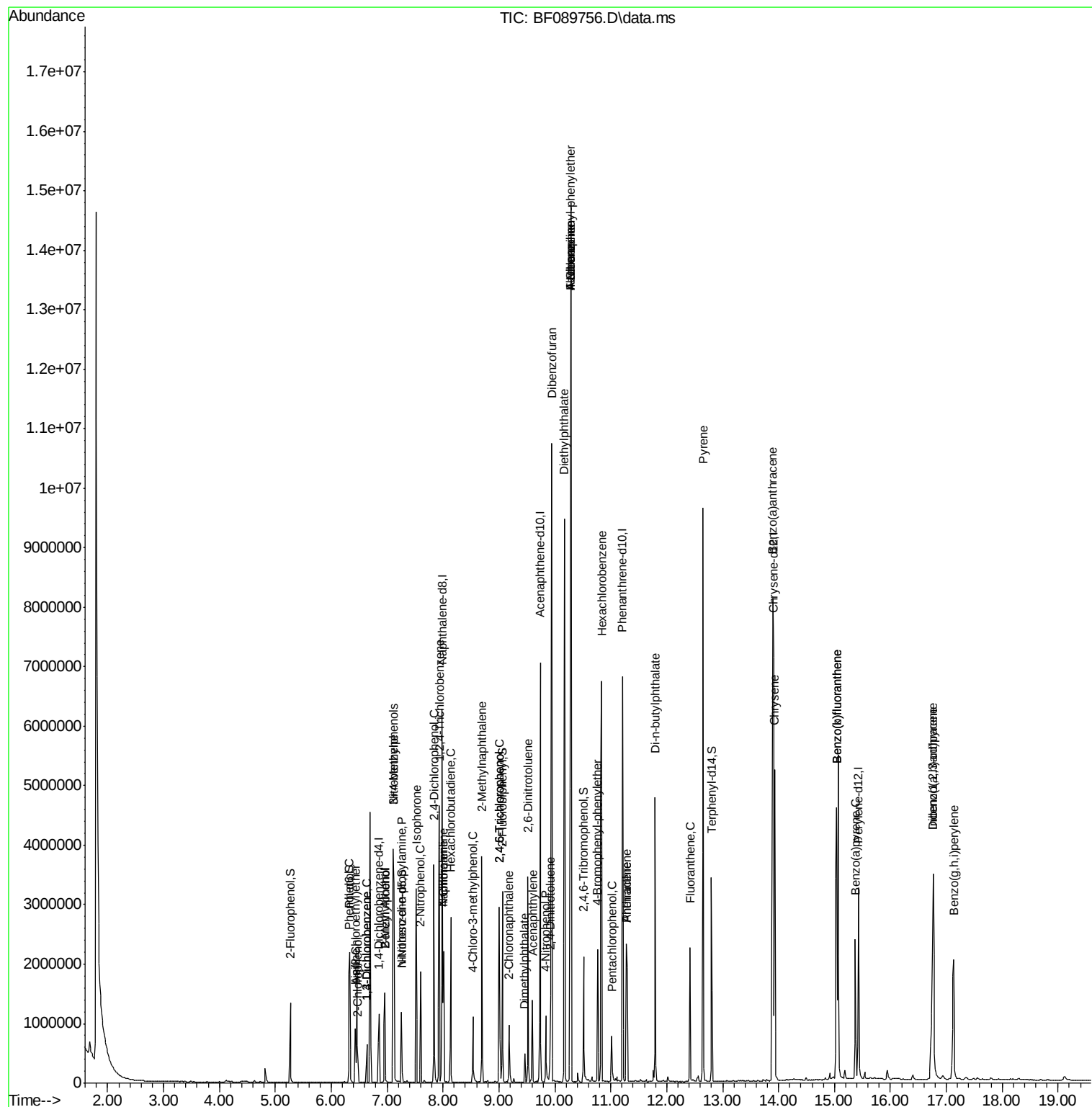
62) Azobenzene	10.285	77	663500	7.44	nq	# 51
66) 4-Bromophenyl-phenylether	10.765	248	241854	10.56	nq	# 65
67) Hexachlorobenzene	10.833	284	1229328	48.30	nq	98
69) Pentachlorophenol	11.016	266	96511	6.09	nq	95
70) Phenanthrene	11.291	178	1250530	11.51	nq	97
71) Anthracene	11.291	178	1250530	11.01	nq	96
73) Di-n-butylphthalate	11.794	149	2202231	16.83	nq	100
74) Fluoranthene	12.422	202	1311898	12.02	nq	95
77) Pyrene	12.651	202	3892410	30.88	nq	95
80) Benzo(a)anthracene	13.897	228	3185351	28.46	nq	98
82) Chrysene	13.931	228	1579980	15.69	nq	100
85) Indeno(1,2,3-cd)pyrene	16.765	276	1182089	13.77	nq	# 92
87) Benzo(b)fluoranthene	15.040	252	2596385	25.33	nq	# 94
88) Benzo(k)fluoranthene	15.040	252	2596385	30.78	nq	# 97
89) Benzo(a)pyrene	15.371	252	1045548	12.36	nq	98
90) Dibenzo(a,h)anthracene	16.765	278	2371565	35.59	nq	97
91) Benzo(g,h,i)perylene	17.131	276	1593060	23.49	nq	95

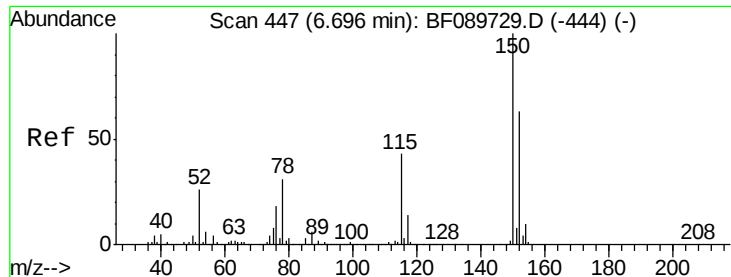
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.856 min Scan# 461

Delta R.T. 0.160 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

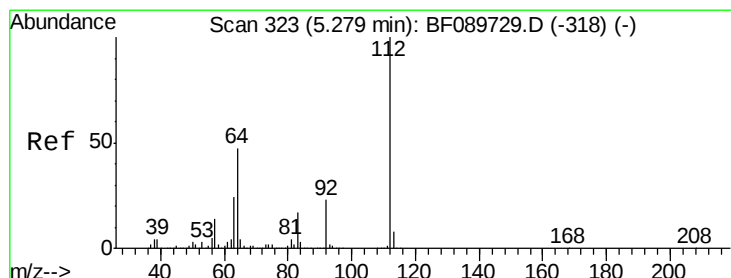
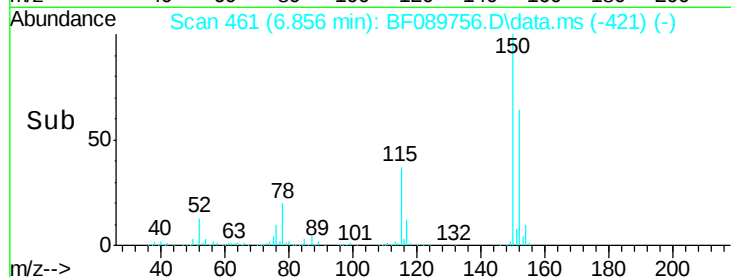
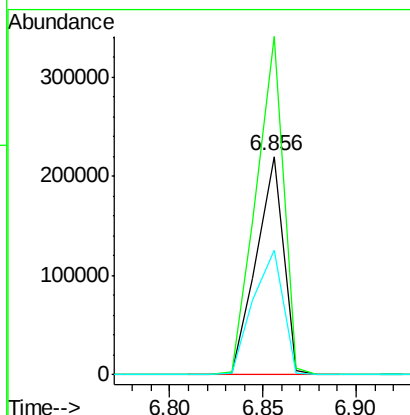
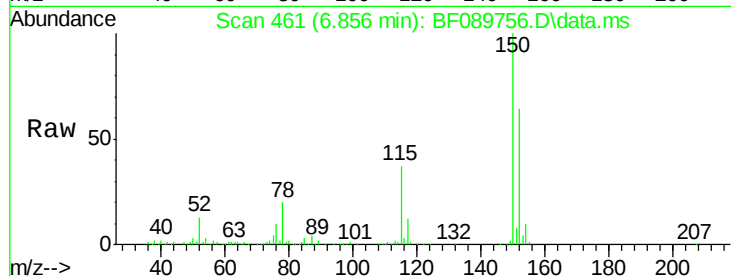
Tot Ion:152 Resp: 220381

Ion Ratio Lower Upper

152 100

150 155.1 125.3 187.9

115 56.8 40.9 61.3



#5

2-Fluorophenol

Concen: 32.32 ng

RT: 5.267 min Scan# 322

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

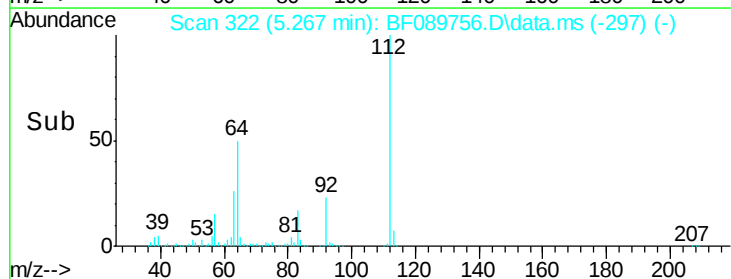
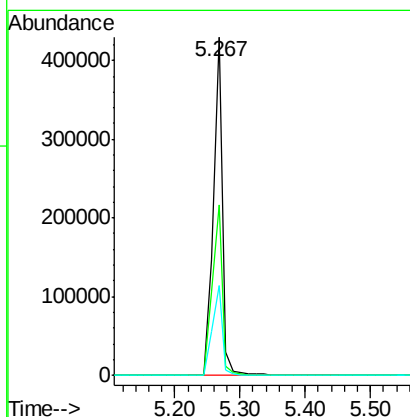
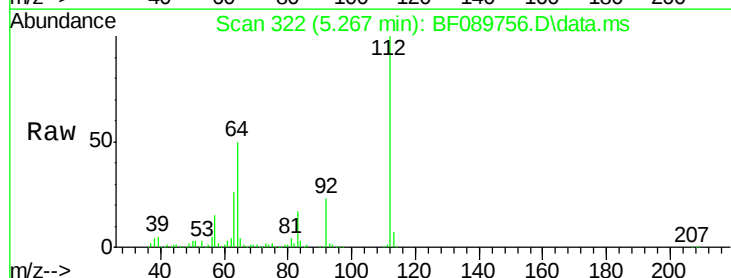
Tgt Ion:112 Resp: 426933

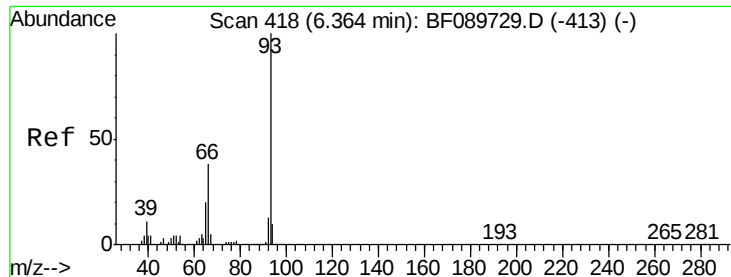
Ion Ratio Lower Upper

112 100

64 50.3 45.0 67.4

63 26.4 23.1 34.7





#6

Aniline

Concen: 12.37 ng

RT: 6.433 min Scan# 42

Delta R.T. 0.069 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

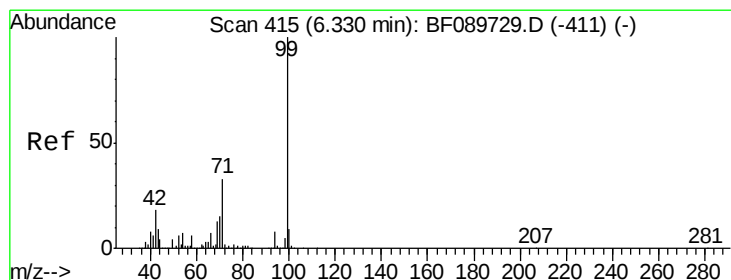
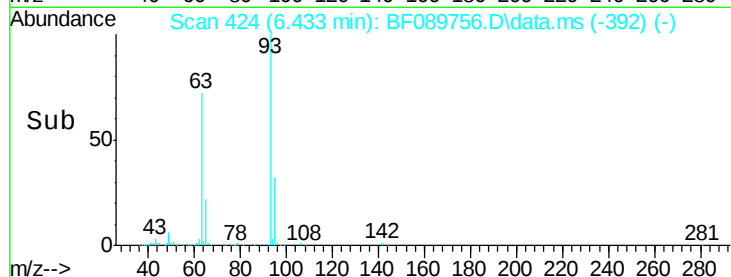
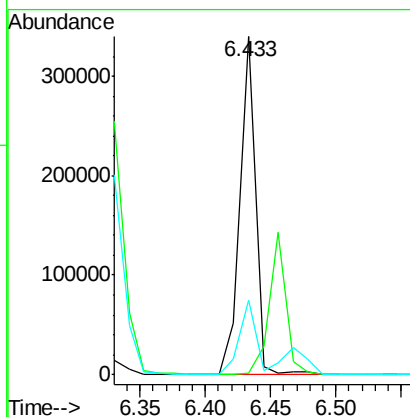
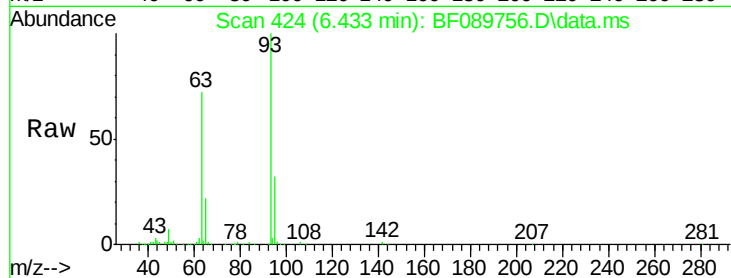
BNA_F

ClientSampleId :

9524DL

Tot Ion: 93 Resp: 279258

Ion	Ratio	Lower	Upper
93	100		
66	0.6	30.6	46.0#
65	22.1	15.4	23.2



#7

Phenol-d6

Concen: 34.33 ng

RT: 6.319 min Scan# 414

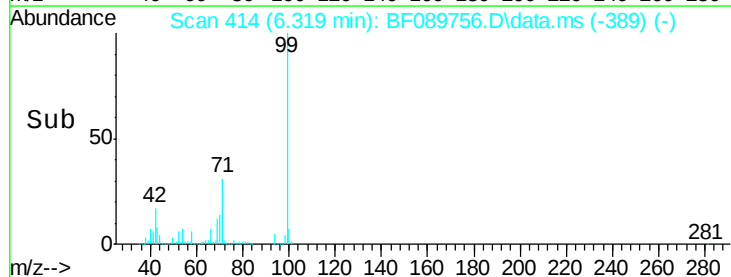
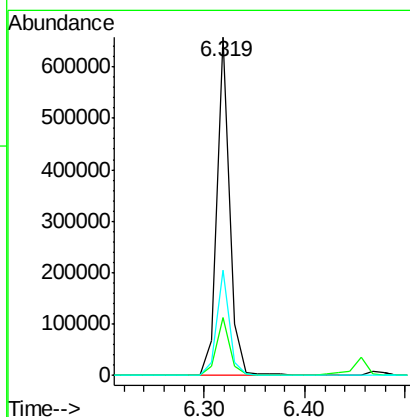
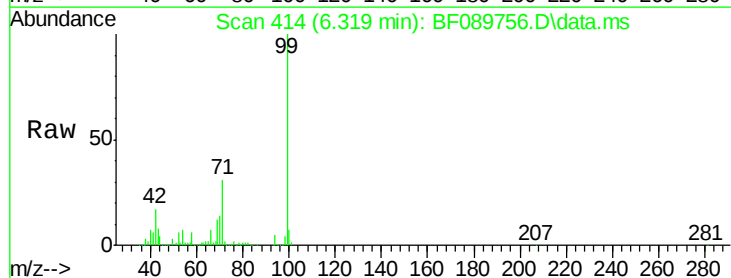
Delta R.T. -0.011 min

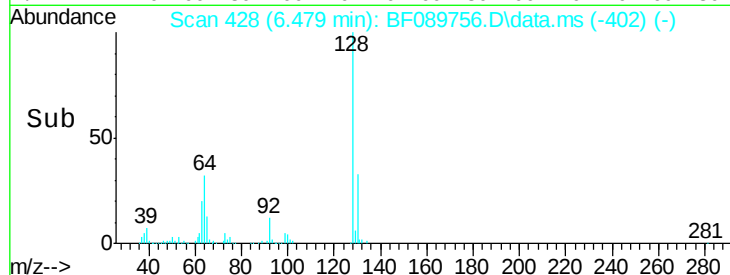
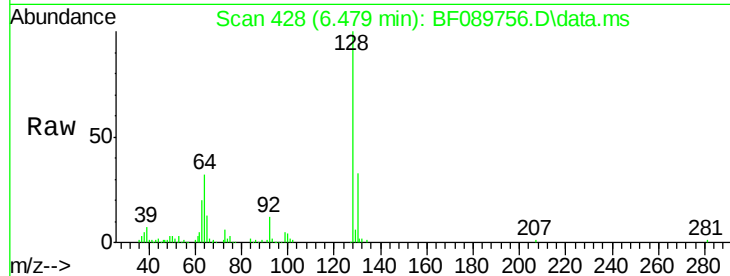
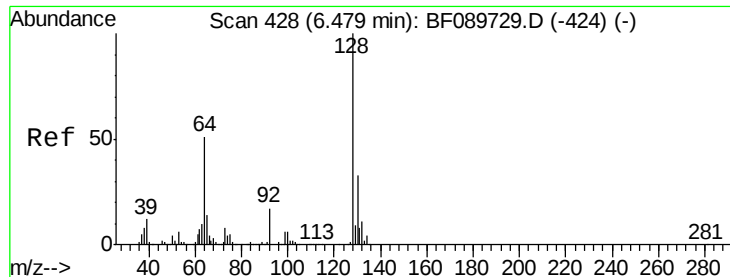
Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion: 99 Resp: 576735

Ion	Ratio	Lower	Upper
99	100		
42	17.0	12.2	18.4
71	31.1	23.8	35.8

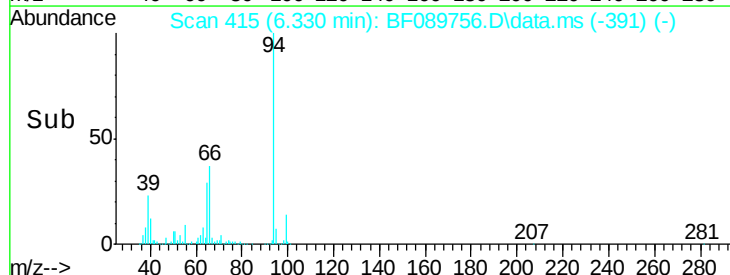
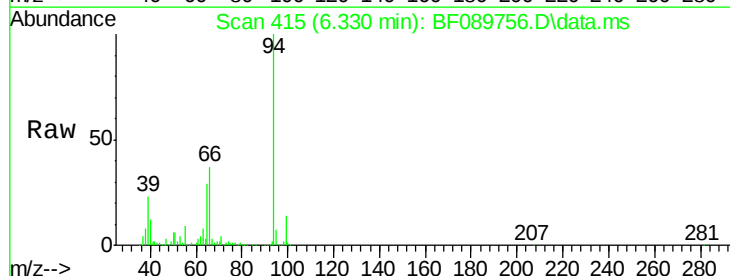
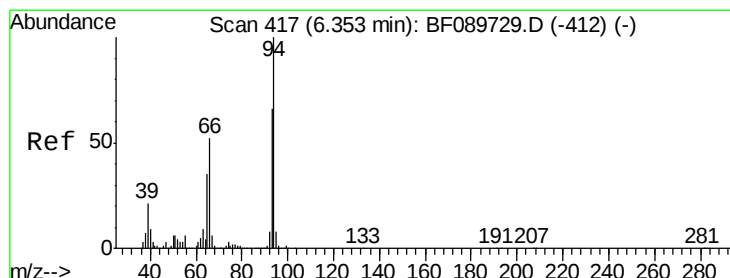
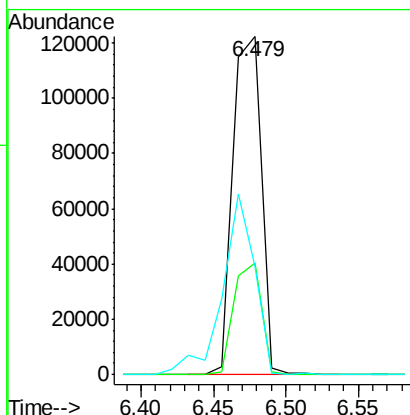




#8
2-Chlorophenol
Concen: 10.61 ng
RT: 6.479 min Scan# 42
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

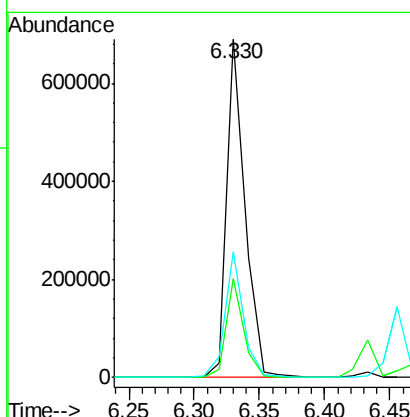
Instrument :
BNA_F
ClientSampleId :
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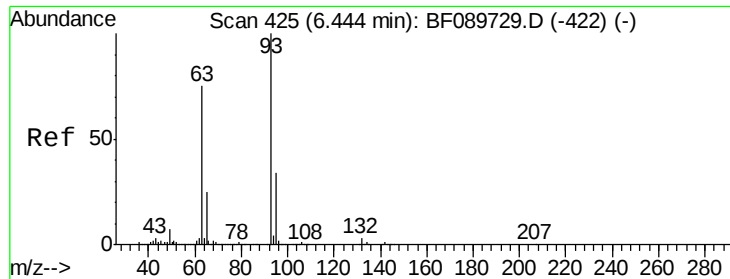
Tot Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.0	52.0
64	31.8	35.1	75.1#



#10
Phenol
Concen: 32.39 ng
RT: 6.330 min Scan# 415
Delta R.T. -0.023 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.1	14.0	54.0
66	37.0	31.2	71.2

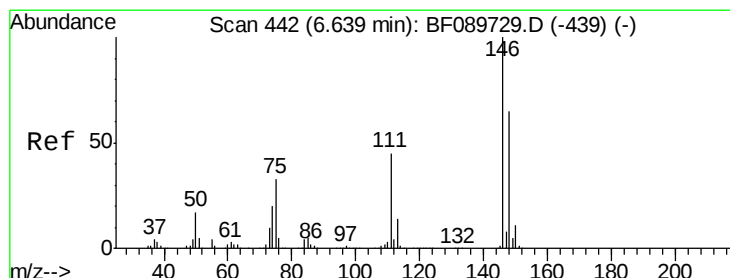
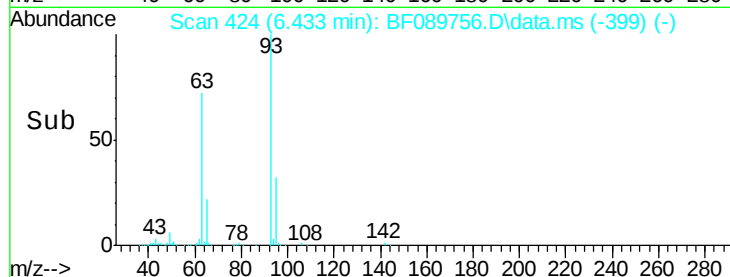
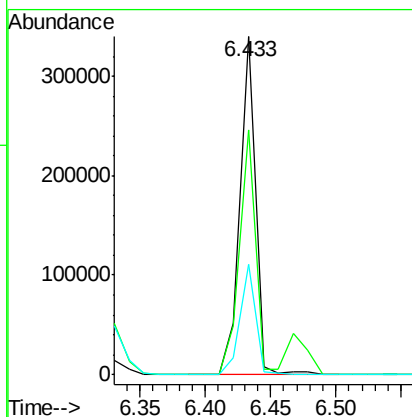
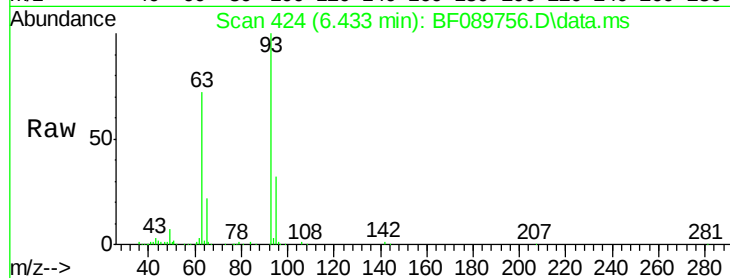




#11
bis(2-Chloroethyl)ether
Concen: 18.02 ng
RT: 6.433 min Scan# 42
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

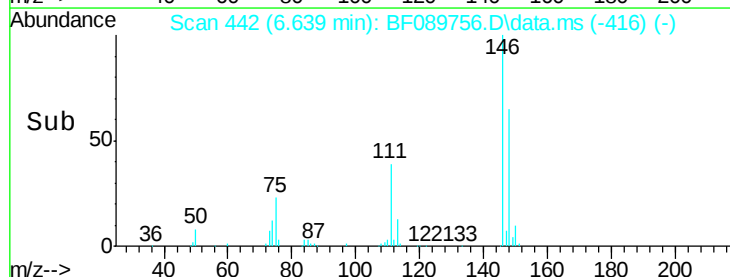
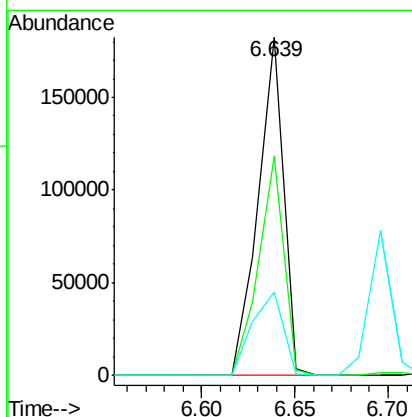
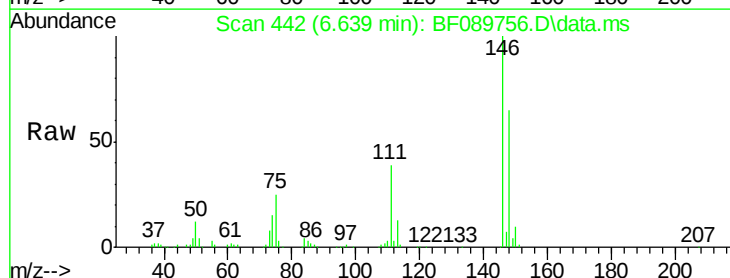
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BNA_F
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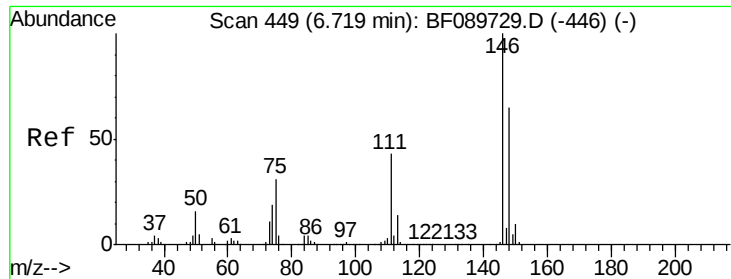
Tot Ion	Ratio	Lower	Upper
93	100		
63	72.3	55.8	95.8
95	32.4	13.0	53.0



#12
1,3-Dichlorobenzene
Concen: 10.21 ng
RT: 6.639 min Scan# 442
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
75	24.8	27.0	40.6#

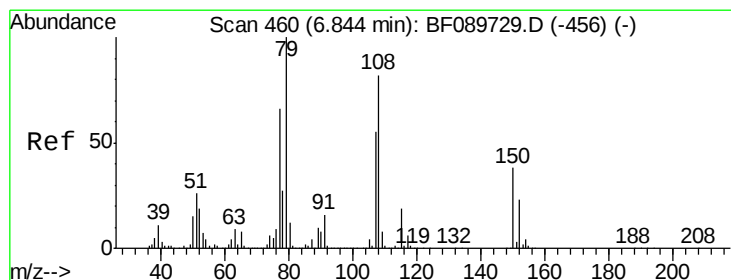
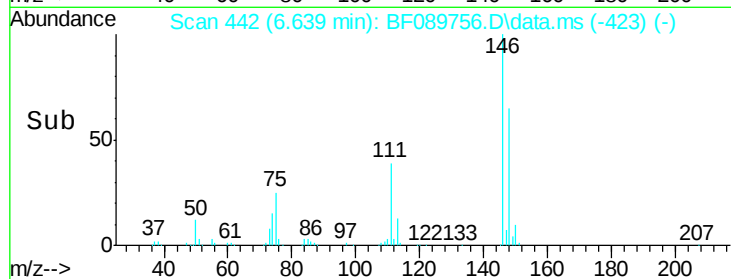
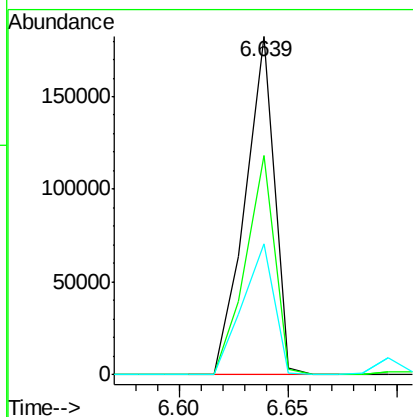
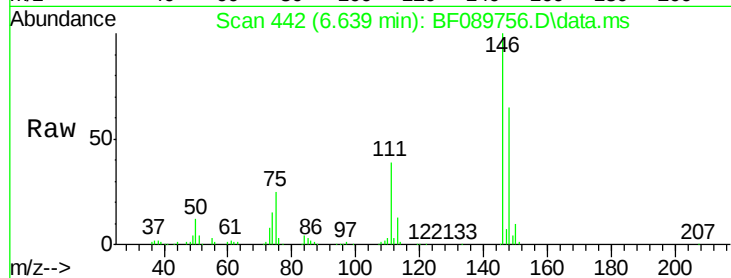




#13
 1,4-Dichlorobenzene
 Concen: 10.08 ng
 RT: 6.639 min Scan# 44
 Delta R.T. -0.080 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

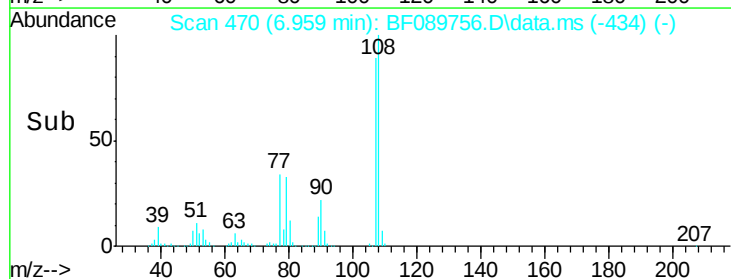
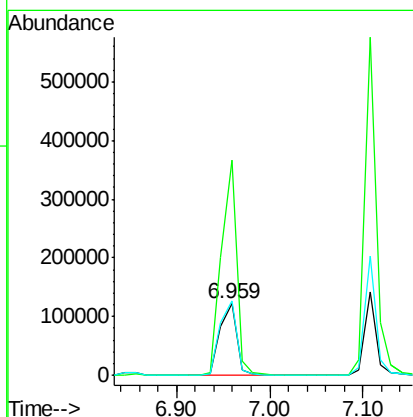
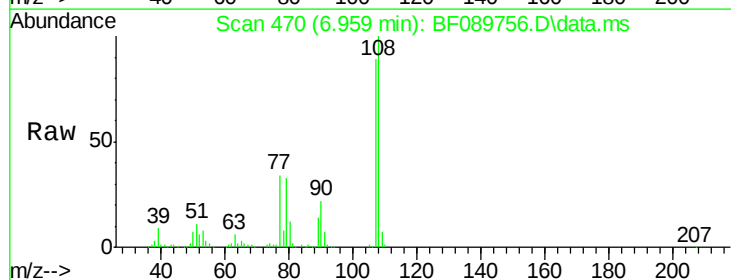
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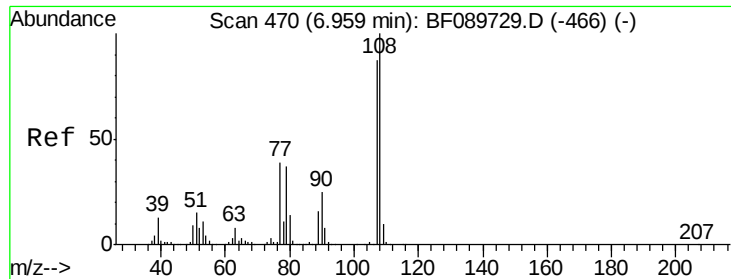
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	38.6	34.6	52.0



#15
 Benzyl Alcohol
 Concen: 13.53 ng
 RT: 6.959 min Scan# 470
 Delta R.T. 0.114 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
79	100		
108	300.2	62.5	93.7#
77	103.2	51.5	77.3#

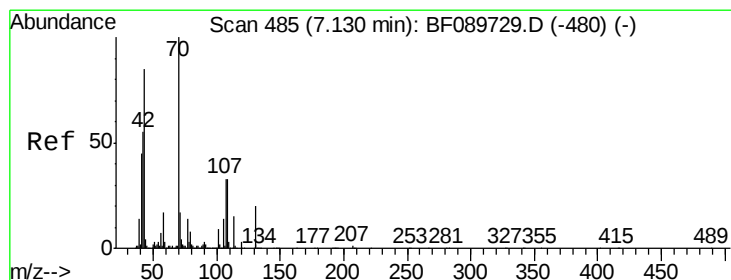
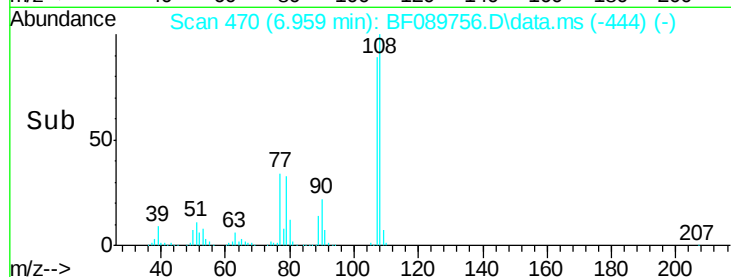
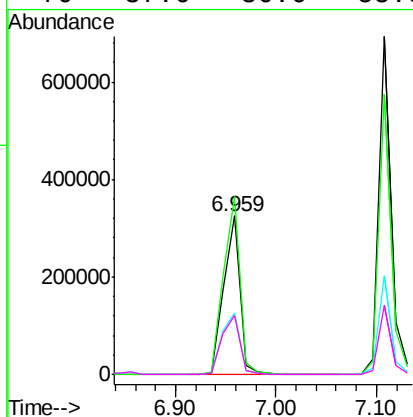
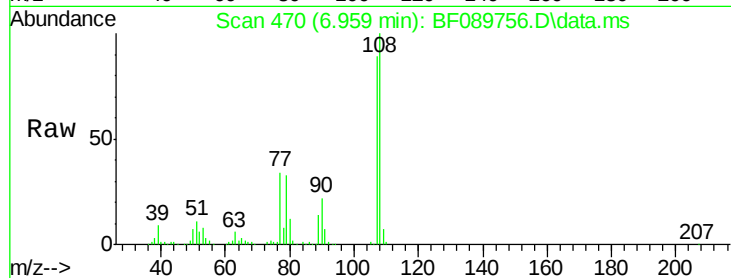




#17
2-Methylphenol
Concen: 29.26 ng
RT: 6.959 min Scan# 47
Delta R.T. 0.000 min
Lab File: BF089756.D
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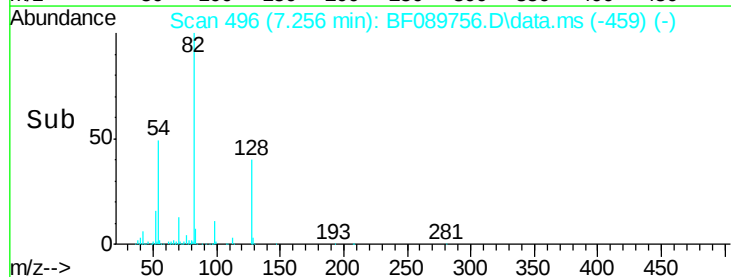
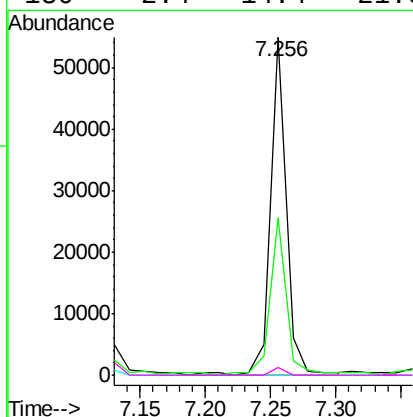
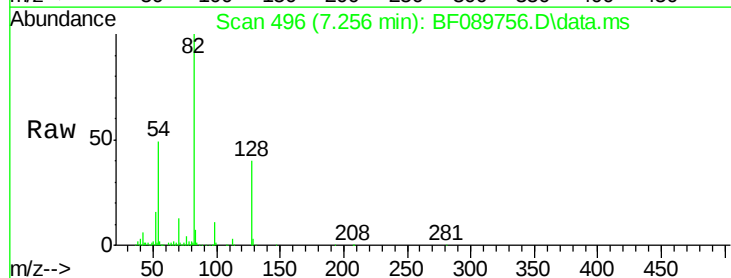
Instrument :
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ClientSampleId :
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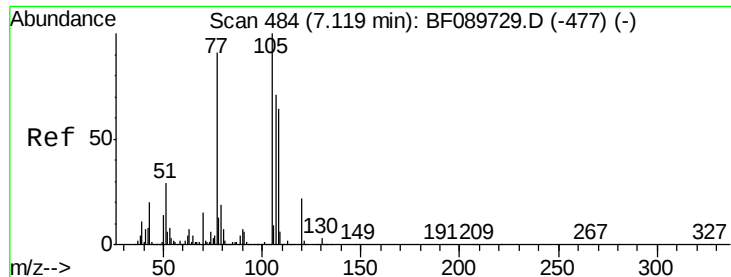
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Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.0	136.4
77	38.8	37.4	56.0
79	37.6	36.6	55.0



#19
n-Nitroso-di-n-propylamine
Concen: 4.28 ng
RT: 7.256 min Scan# 496
Delta R.T. 0.126 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion:	70	Resp:	47123
Ion	Ratio	Lower	Upper
70	100		
42	46.7	46.3	69.5
101	0.0	7.0	10.6#
130	2.4	14.4	21.6#





#20

3+4-Methylphenols

Concen: 37.66 ng

RT: 7.107 min Scan# 48

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

Tot Ion:107 Resp: 602041

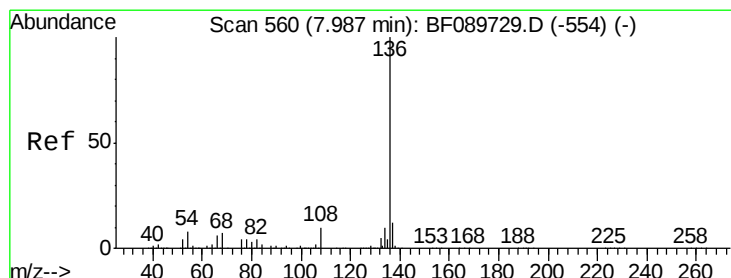
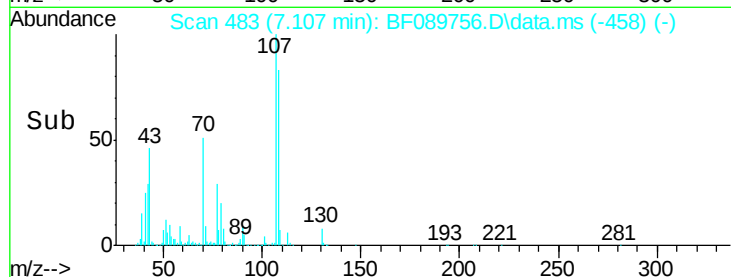
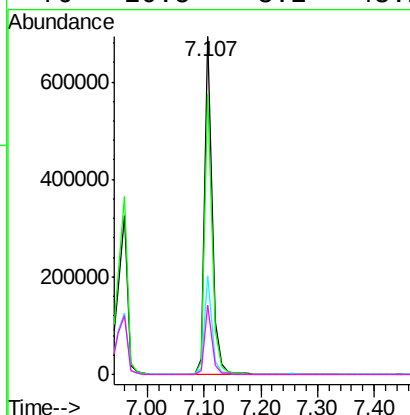
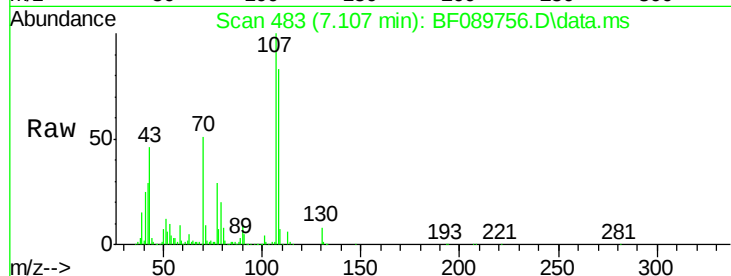
Ion Ratio Lower Upper

107 100

108 83.1 68.2 108.2

77 29.3 122.3 162.3#

79 20.5 8.2 48.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.987 min Scan# 560

Delta R.T. 0.000 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:136 Resp: 2751685

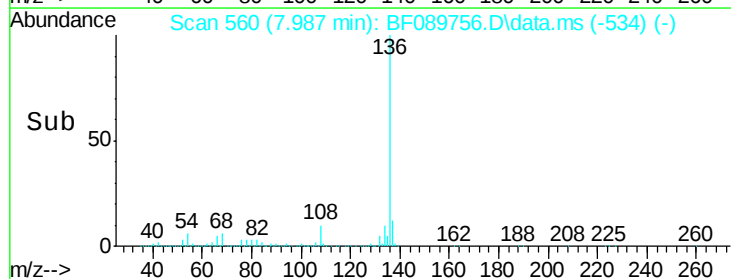
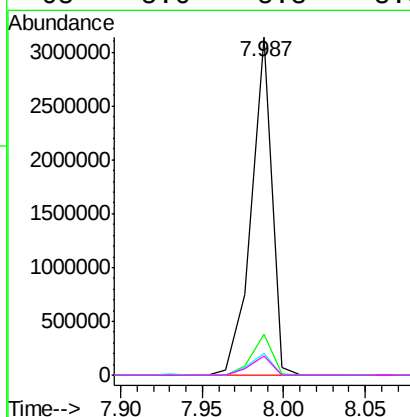
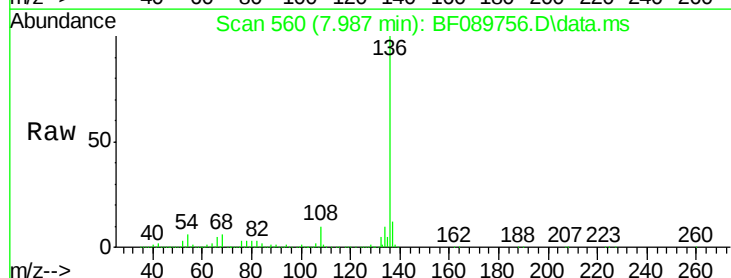
Ion Ratio Lower Upper

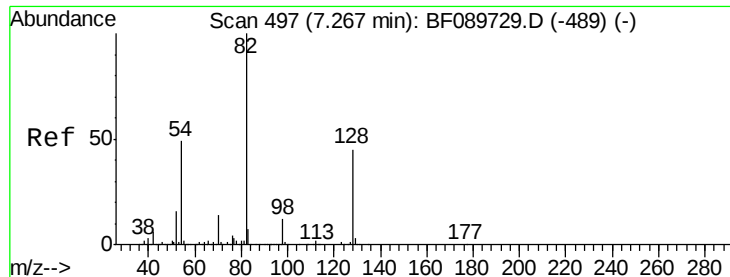
136 100

137 12.0 9.2 13.8

54 6.4 7.2 10.8#

68 5.6 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 7.63 ng

RT: 7.256 min Scan# 49

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

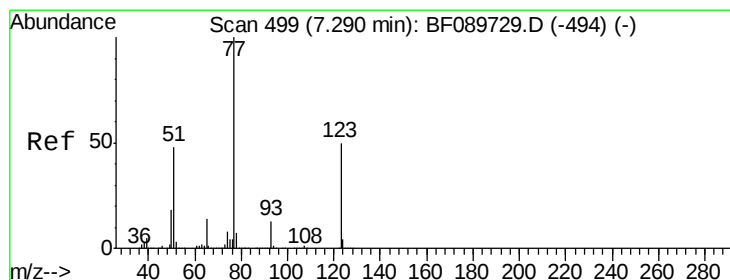
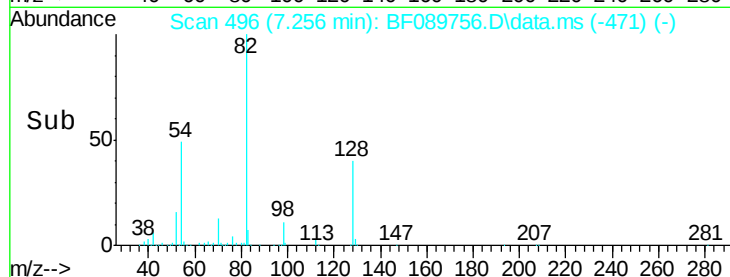
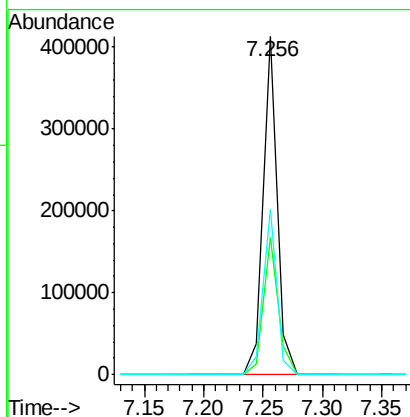
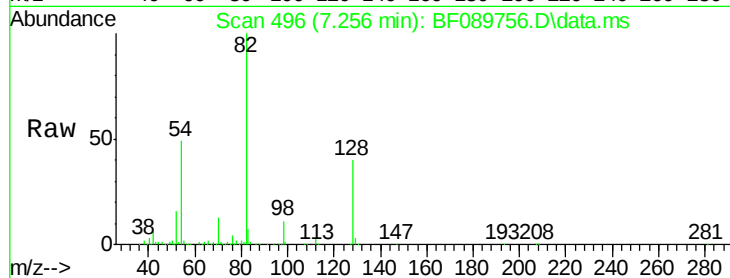
Tot Ion: 82 Resp: 343874

Ion Ratio Lower Upper

82 100

128 40.4 34.4 51.6

54 48.8 40.3 60.5



#24

Nitrobenzene

Concen: 3.38 ng

RT: 7.107 min Scan# 483

Delta R.T. -0.183 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

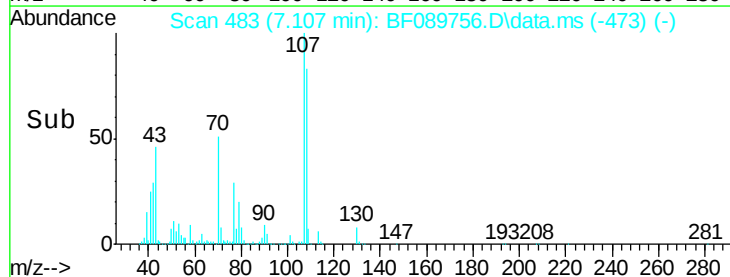
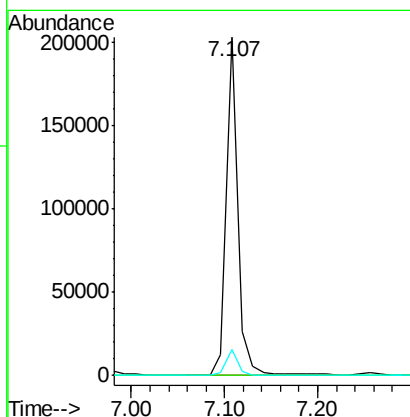
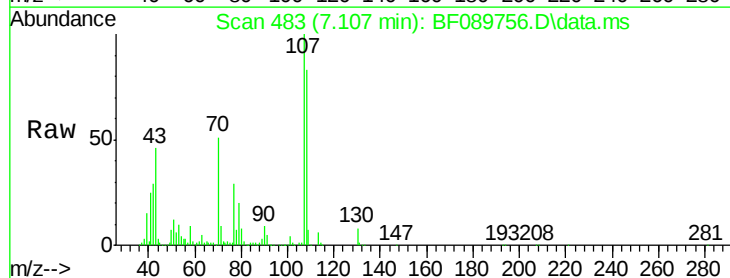
Tgt Ion: 77 Resp: 171588

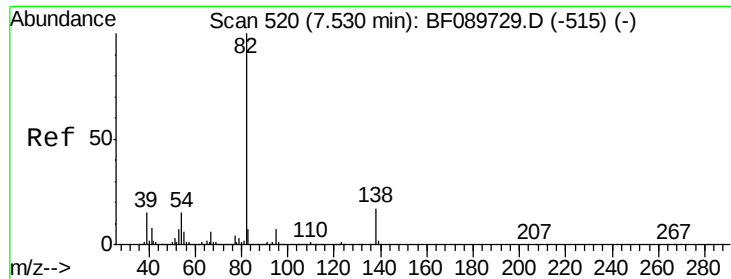
Ion Ratio Lower Upper

77 100

123 0.0 36.2 54.2#

65 7.7 10.6 15.8#





#25

Isophorone

Concen: 16.08 ng

RT: 7.519 min Scan# 51

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

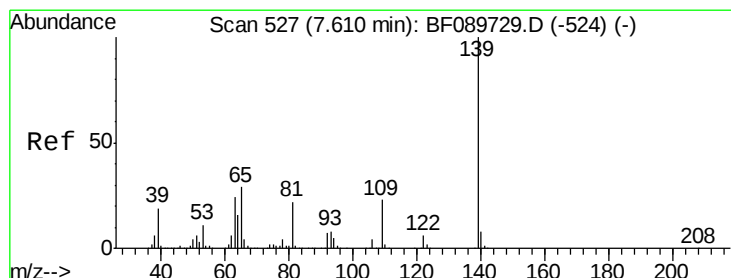
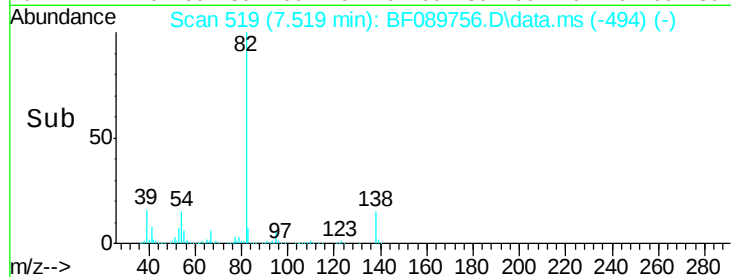
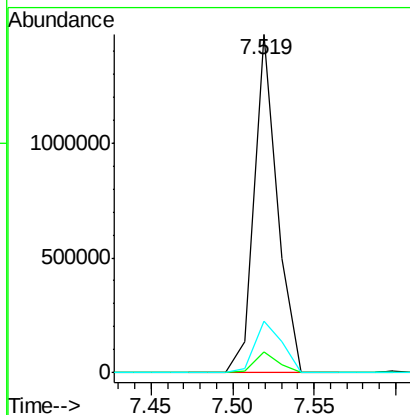
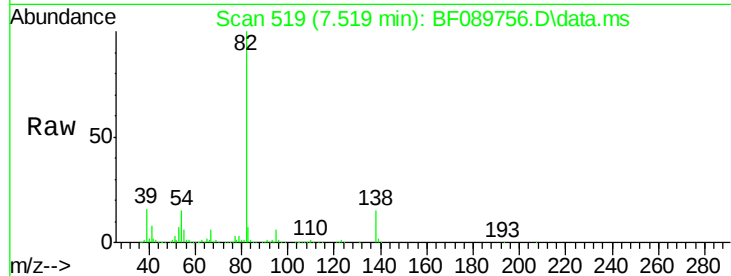
Tot Ion: 82 Resp: 1449984

Ion Ratio Lower Upper

82 100

95 6.3 5.3 7.9

138 15.0 13.0 19.4



#26

2-Nitrophenol

Concen: 12.52 ng

RT: 7.599 min Scan# 526

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

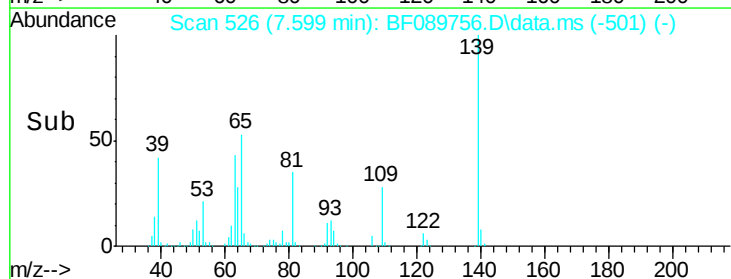
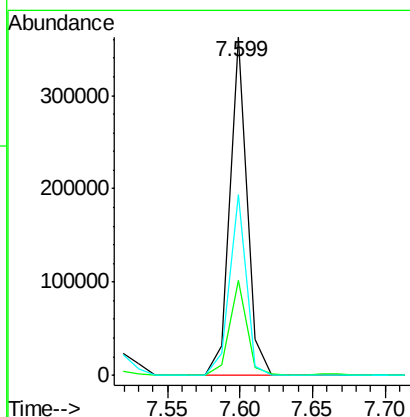
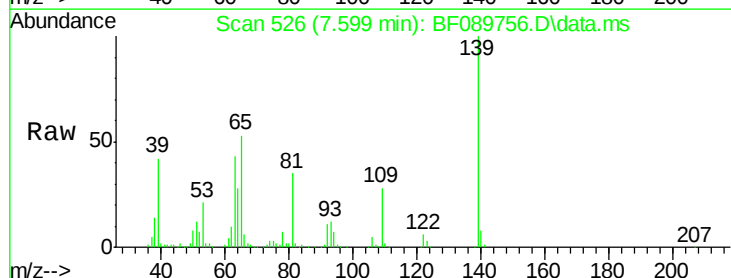
Tgt Ion: 139 Resp: 298728

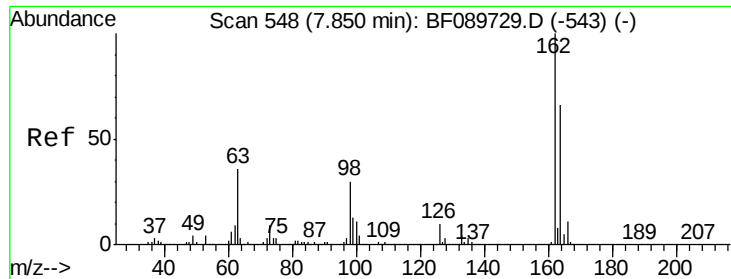
Ion Ratio Lower Upper

139 100

109 28.1 19.5 29.3

65 53.3 26.5 39.7#

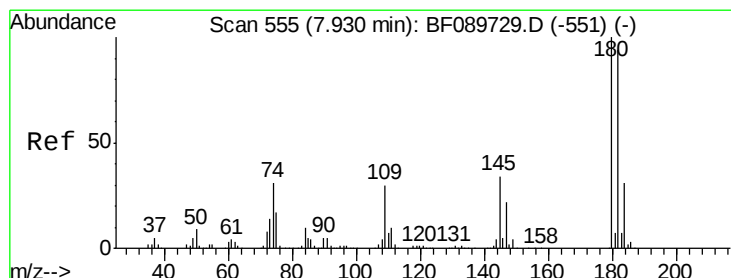
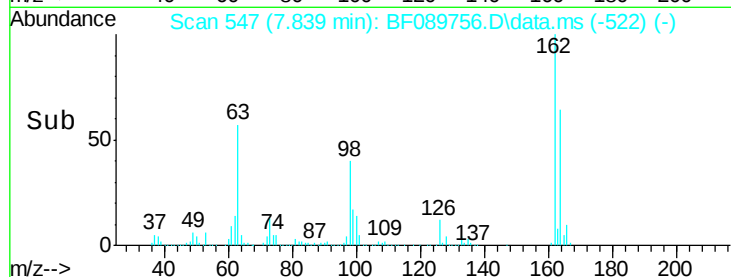
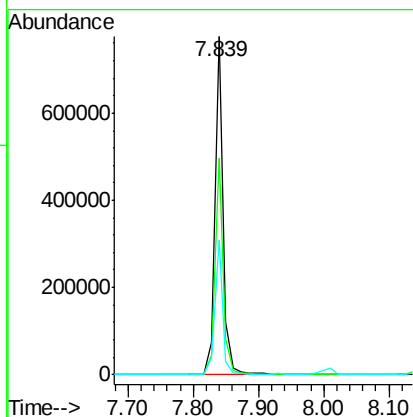
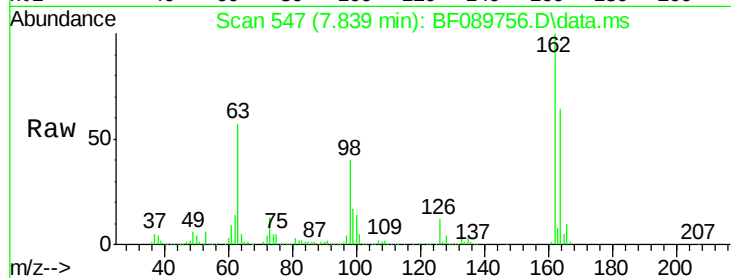




#29
2,4-Dichlorophenol
Concen: 18.39 ng
RT: 7.839 min Scan# 54
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

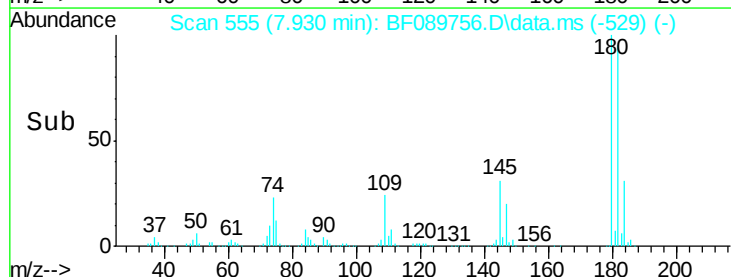
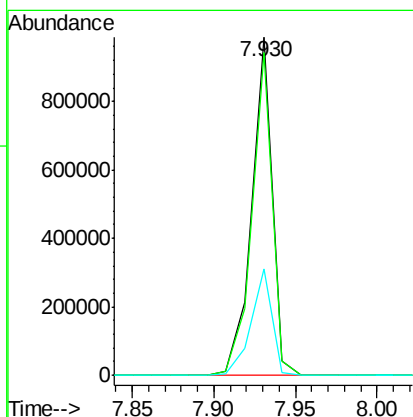
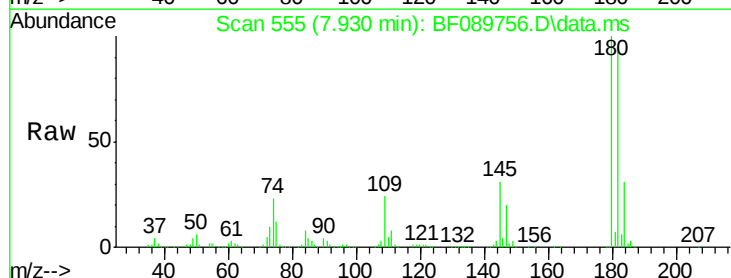
Instrument :
BNA_F
ClientSampleId :
9524DL

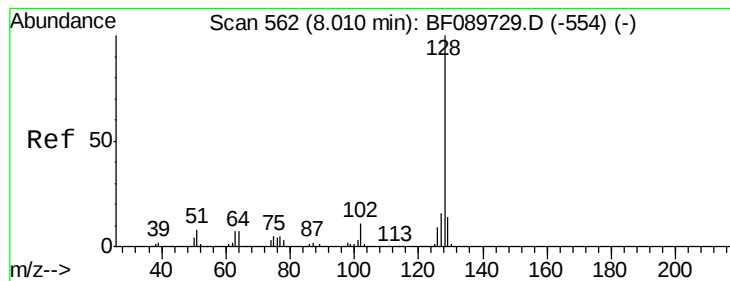
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.9	45.5	85.5
98	39.9	12.4	52.4



#30
1,2,4-Trichlorobenzene
Concen: 21.24 ng
RT: 7.930 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.5	113.3
145	31.5	28.7	43.1





#31

Naphthalene

Concen: 9.88 ng

RT: 8.010 min Scan# 56

Delta R.T. 0.000 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

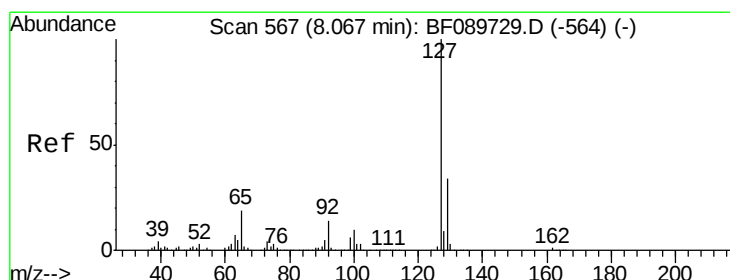
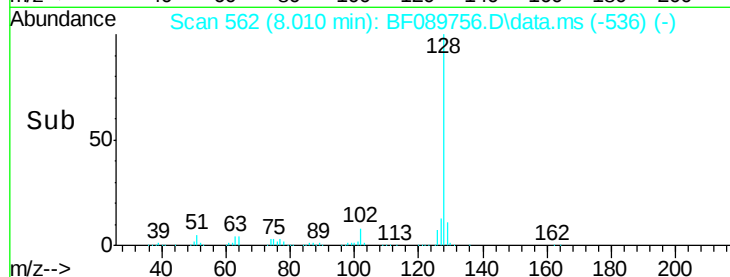
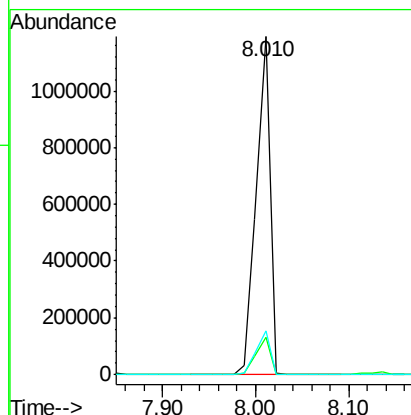
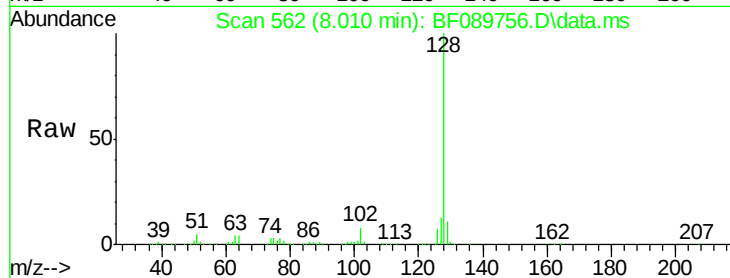
Tot Ion:128 Resp: 1220376

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

127 13.0 11.3 16.9



#33

4-Chloroaniline

Concen: 2.78 ng

RT: 8.010 min Scan# 562

Delta R.T. -0.057 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:127 Resp: 158927

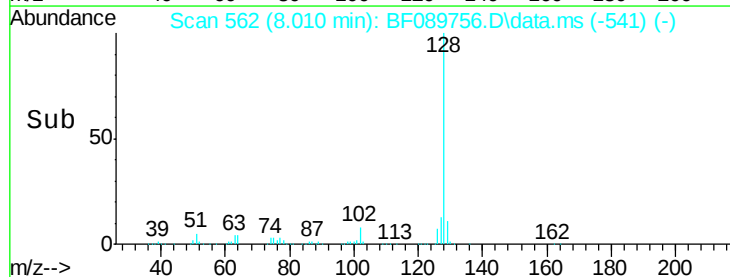
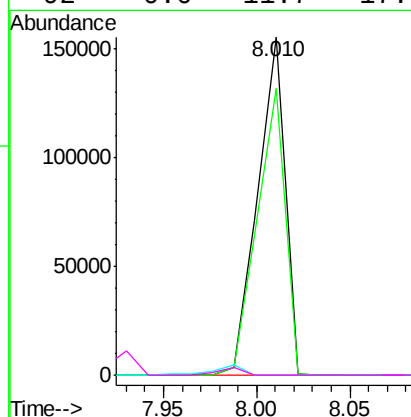
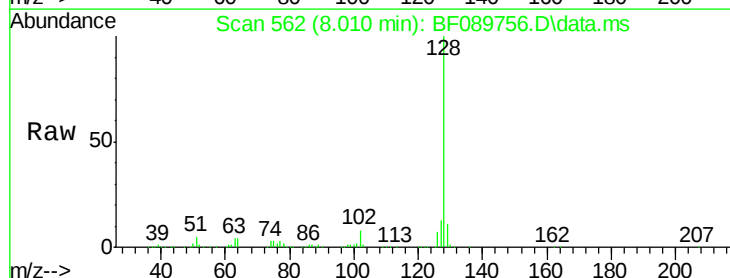
Ion Ratio Lower Upper

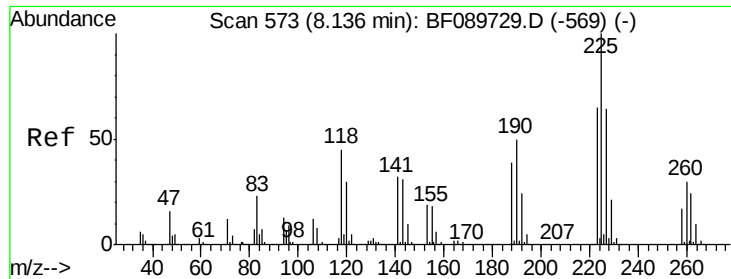
127 100

129 84.7 27.0 40.6#

65 0.0 14.7 22.1#

92 0.0 11.7 17.5#

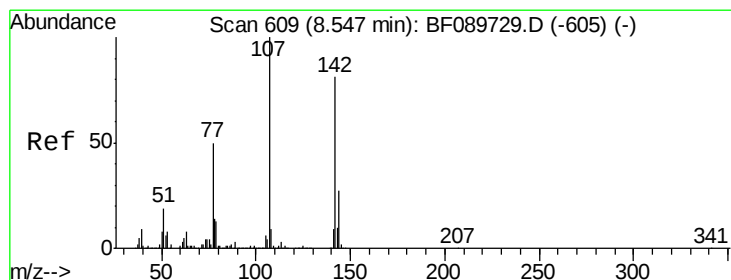
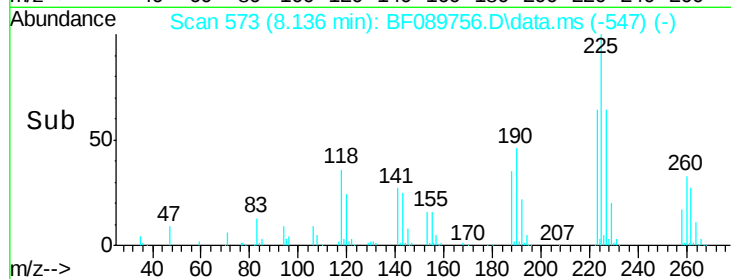
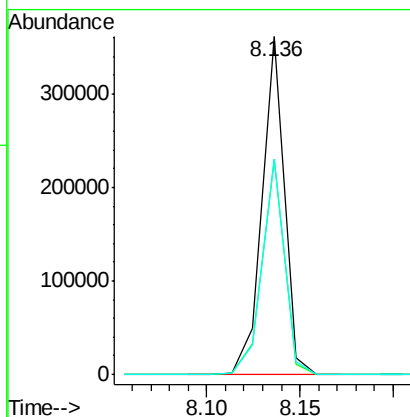
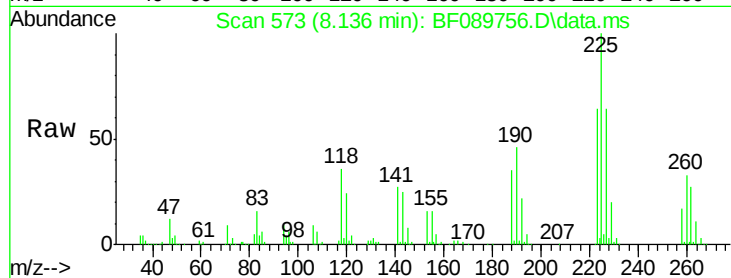




#34
Hexachlorobutadiene
Concen: 13.91 ng
RT: 8.136 min Scan# 57
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

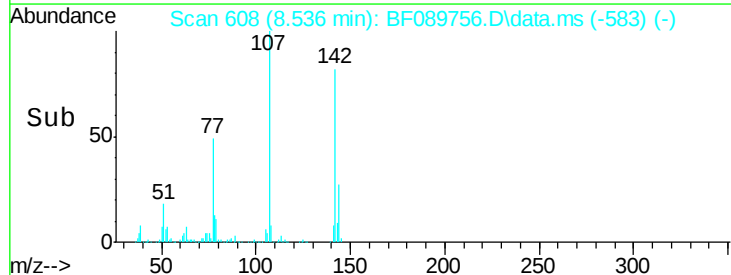
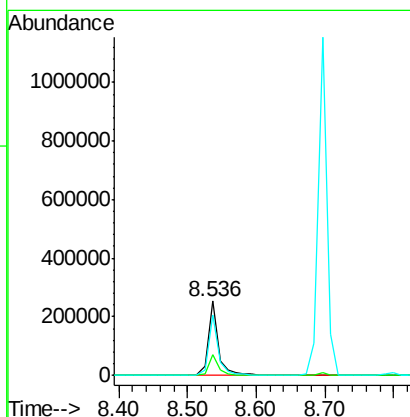
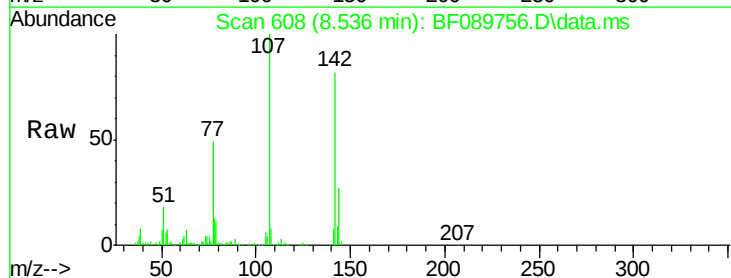
Instrument :
BNA_F
ClientSampleId :
9524DL

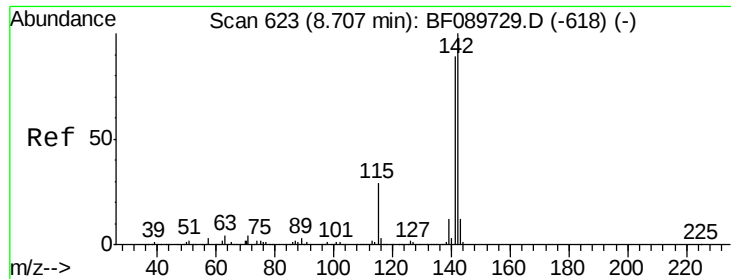
Tot Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.0	76.6
227	63.7	49.8	74.6



#36
4-Chloro-3-methylphenol
Concen: 6.22 ng
RT: 8.536 min Scan# 608
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	22.6	34.0
142	82.3	69.3	103.9

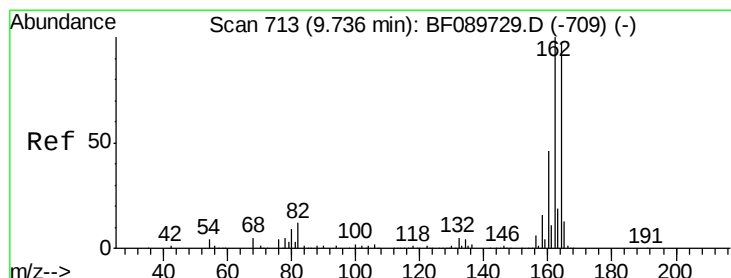
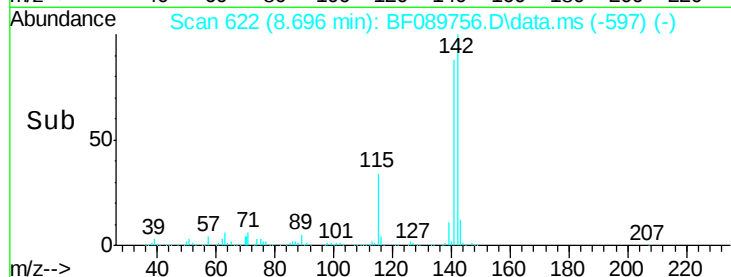
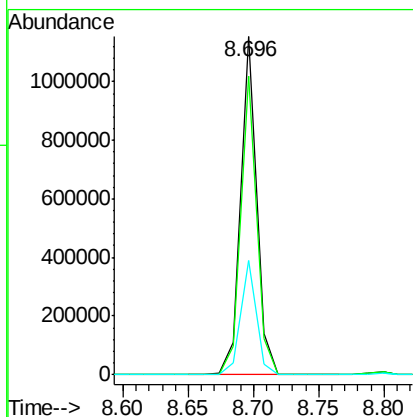
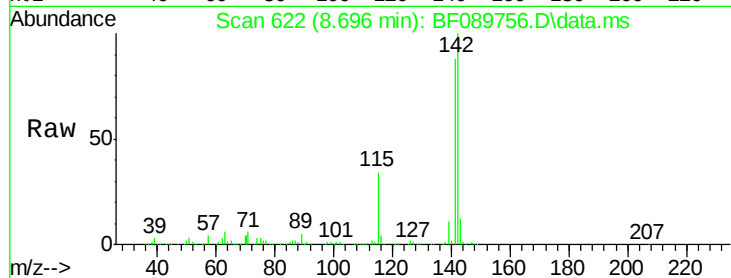




#37
2-Methylnaphthalene
Concen: 11.52 ng
RT: 8.696 min Scan# 62
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

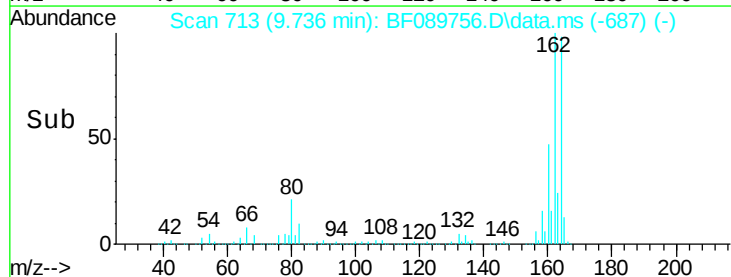
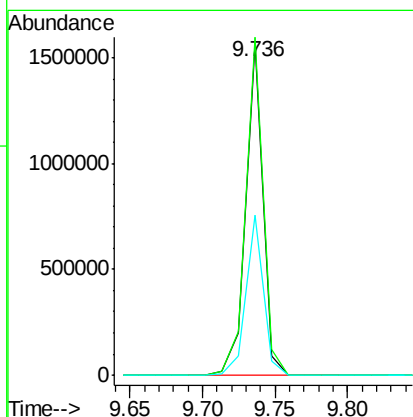
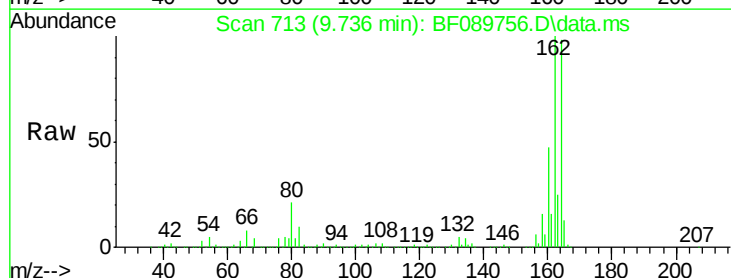
Instrument :
BNA_F
ClientSampleId :
9524DL

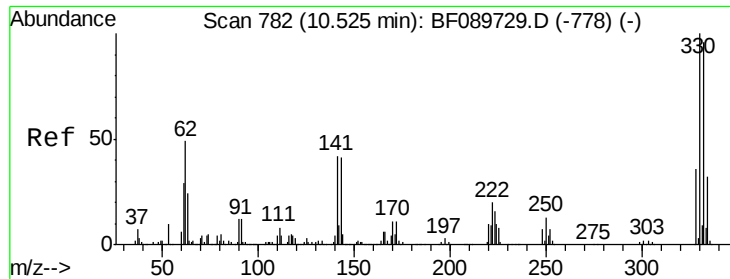
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.4	107.2
115	33.6	22.7	34.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.736 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.4	122.2
160	48.1	37.8	56.6

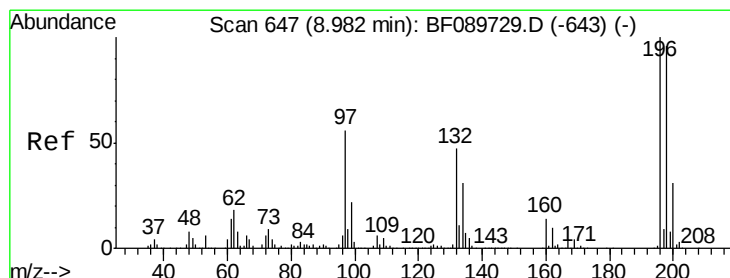
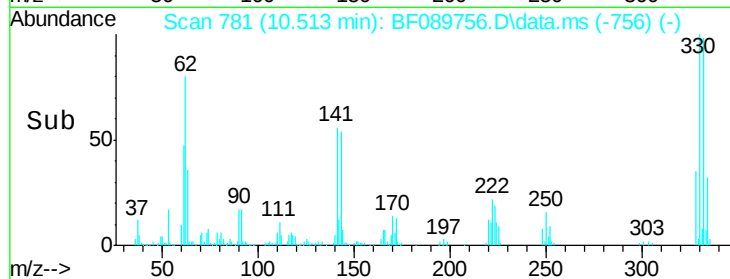
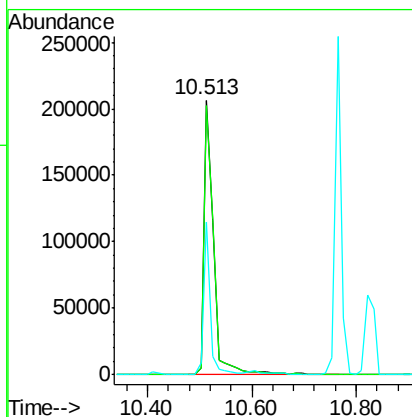
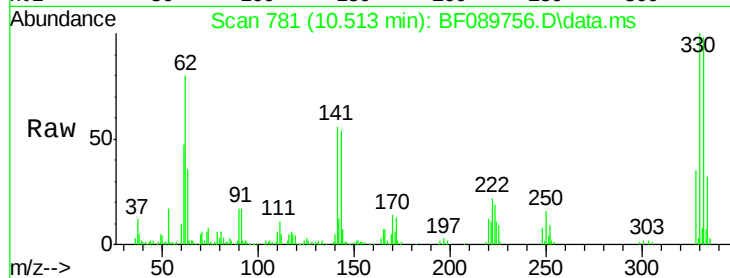




#41
 2,4,6-Tribromophenol
 Concen: 20.68 ng
 RT: 10.513 min Scan# 781
 Delta R.T. -0.011 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

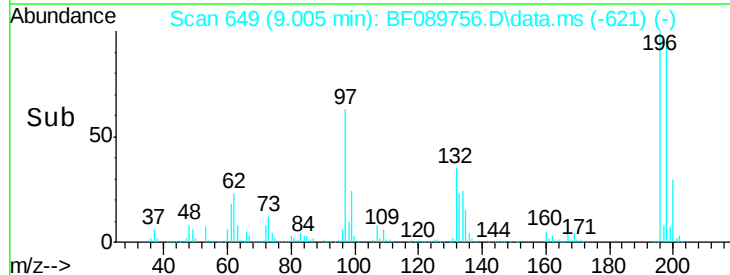
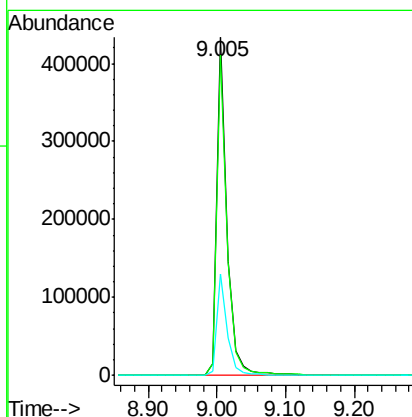
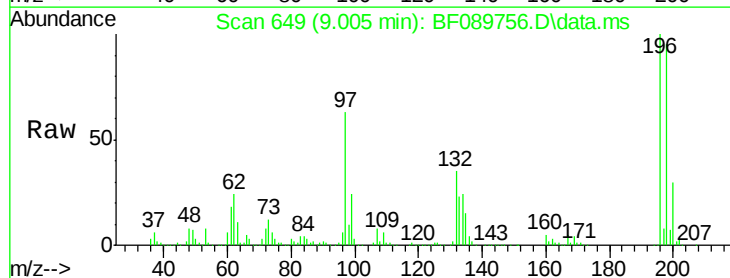
Instrument :
 BNA_F
 ClientSampleId :
 9524DL

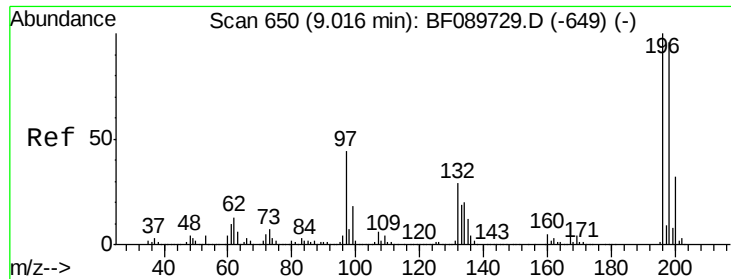
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.7	115.1
141	40.1	30.2	45.2



#42
 2,4,6-Trichlorophenol
 Concen: 16.94 ng
 RT: 9.005 min Scan# 649
 Delta R.T. 0.023 min
 Lab File: BF089756.D
 Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.3	114.5
200	29.9	24.6	36.8

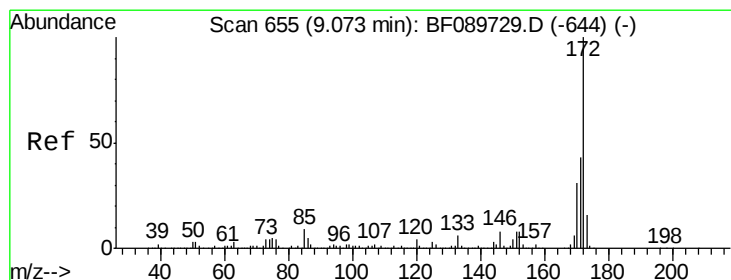
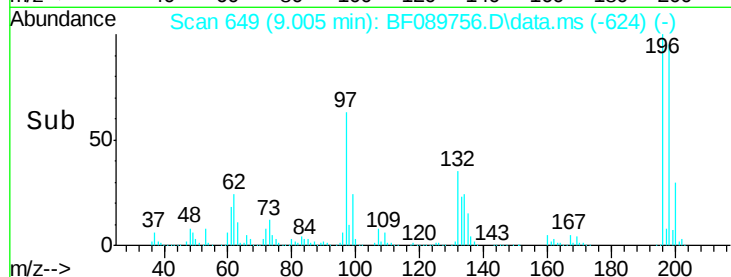
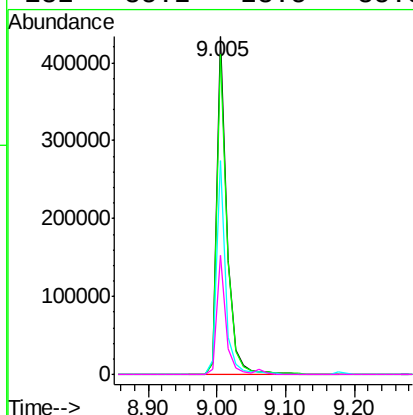
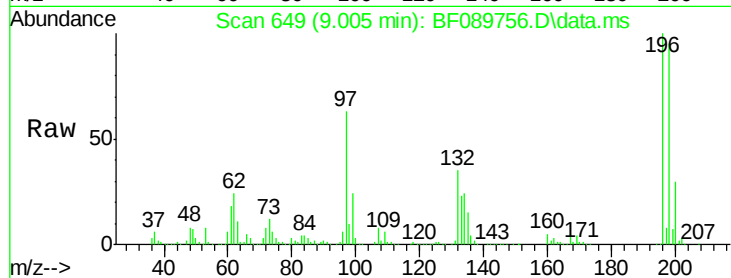




#43
2,4,5-Trichlorophenol
Concen: 17.77 ng
RT: 9.005 min Scan# 64
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

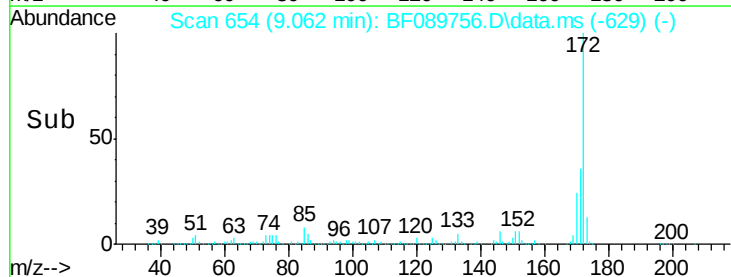
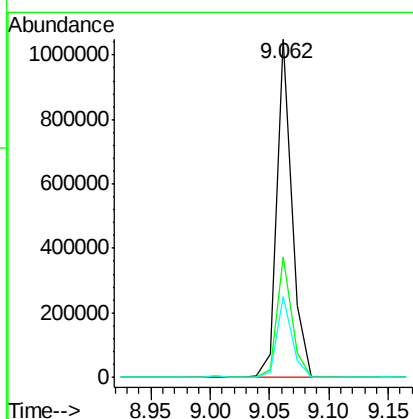
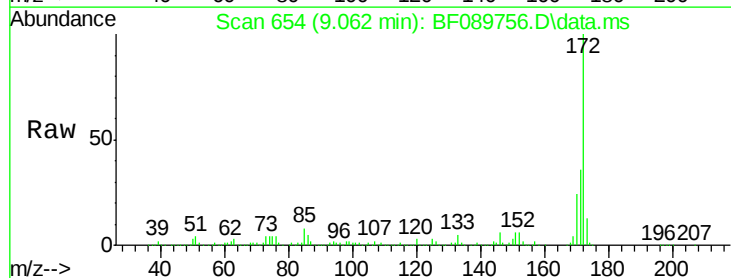
Instrument :
BNA_F
ClientSampleId :
9524DL

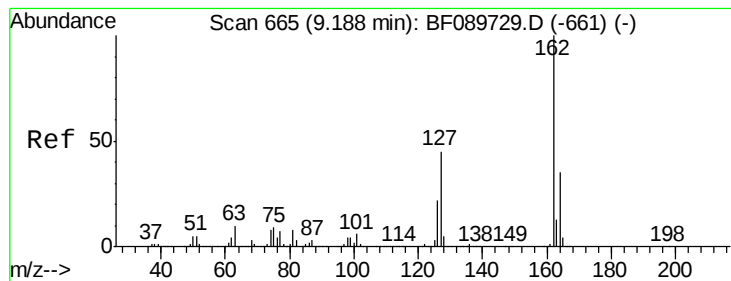
Tot Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	114.8
97	63.3	35.8	53.8
132	35.2	23.5	35.3



#44
2-Fluorobiphenyl
Concen: 11.54 ng
RT: 9.062 min Scan# 654
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.5	45.7
170	23.9	20.6	31.0





#46

2-Chloronaphthalene

Concen: 4.69 ng

RT: 9.176 min Scan# 66

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

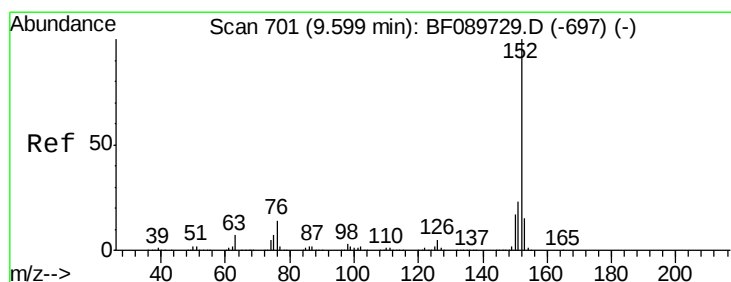
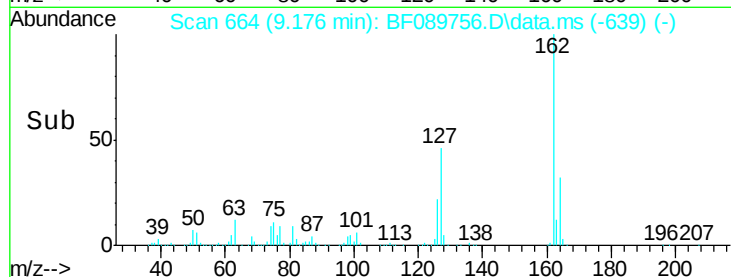
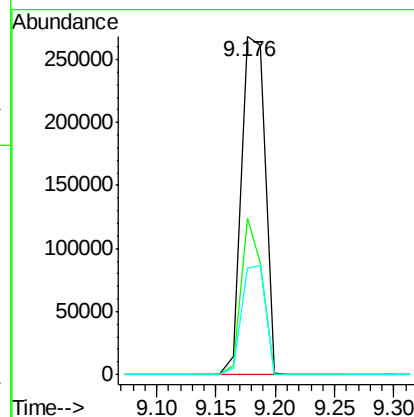
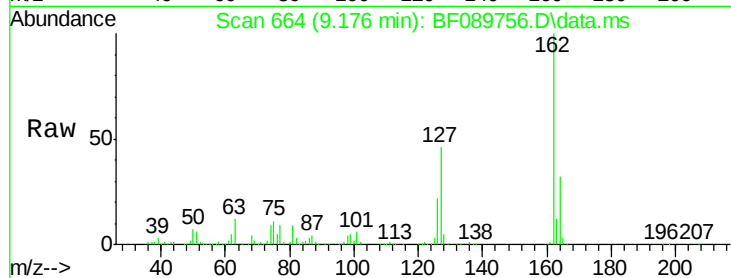
Tot Ion:162 Resp: 374733

Ion Ratio Lower Upper

162 100

127 46.3 35.5 53.3

164 31.7 26.6 40.0



#48

Acenaphthylene

Concen: 7.46 ng

RT: 9.599 min Scan# 701

Delta R.T. 0.000 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

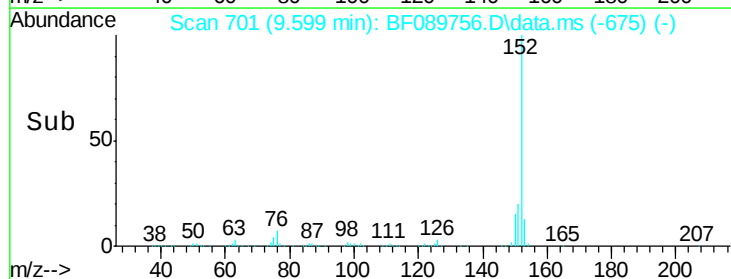
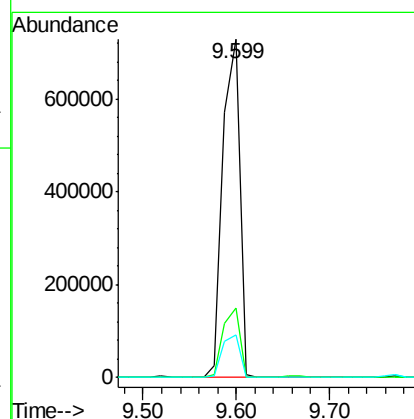
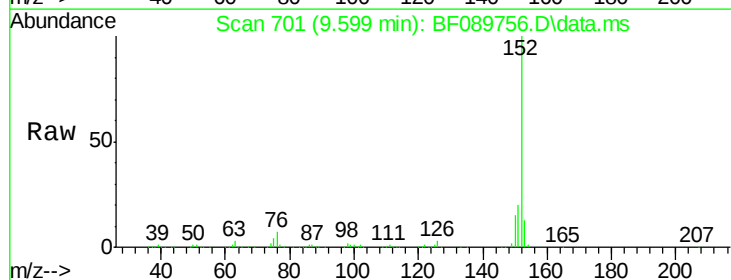
Tgt Ion:152 Resp: 916819

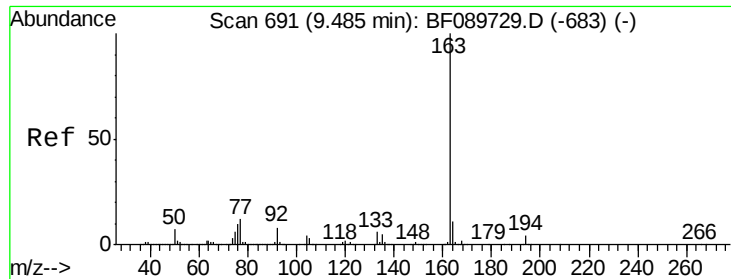
Ion Ratio Lower Upper

152 100

151 20.5 17.1 25.7

153 12.6 11.2 16.8





#49

Dimethylphthalate

Concen: 1.93 ng

RT: 9.462 min Scan# 68

Delta R.T. -0.023 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

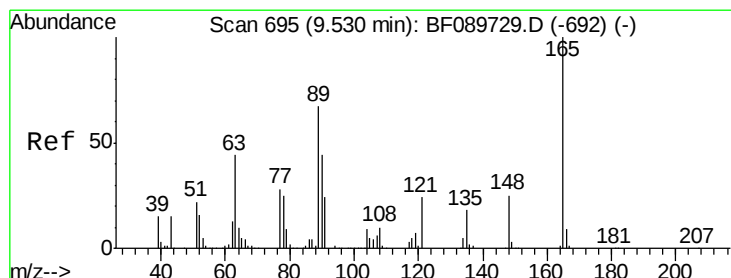
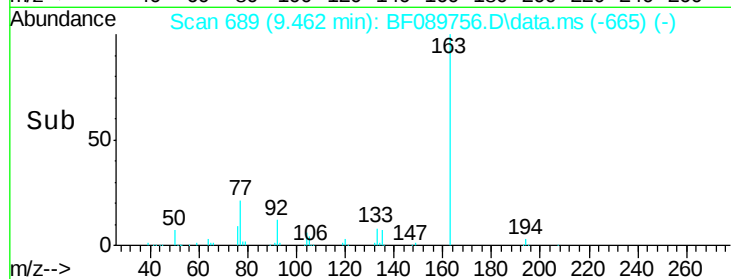
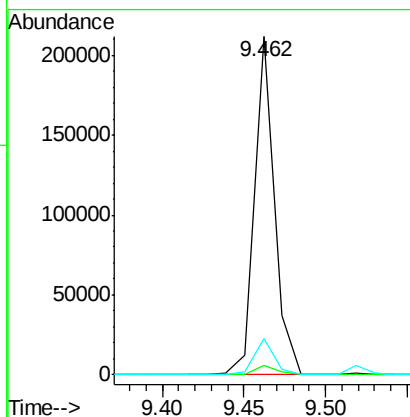
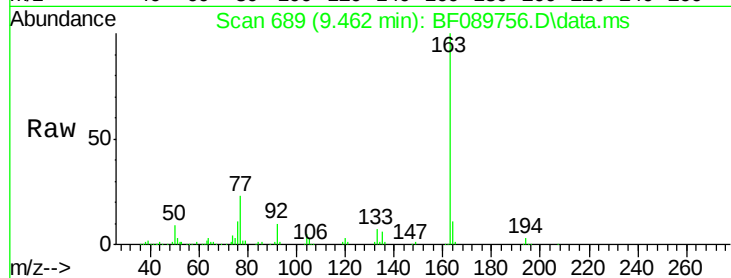
Tot Ion:163 Resp: 179990

Ion Ratio Lower Upper

163 100

194 2.8 2.6 3.8

164 10.5 8.6 12.8



#50

2,6-Dinitrotoluene

Concen: 16.50 ng

RT: 9.519 min Scan# 694

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

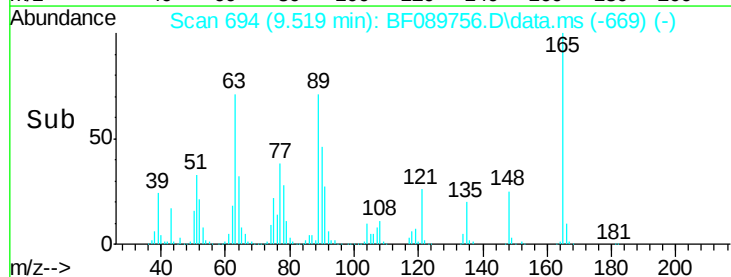
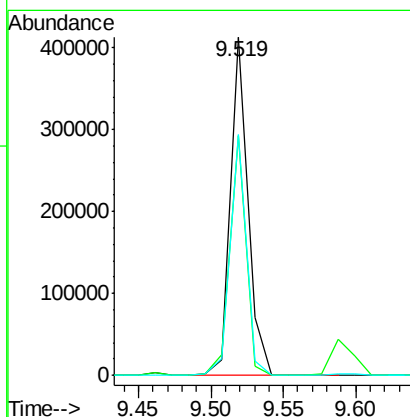
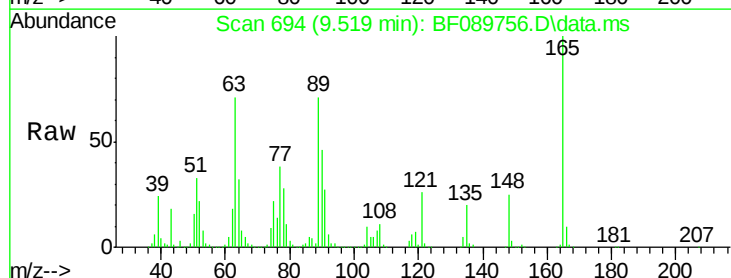
Tgt Ion:165 Resp: 347715

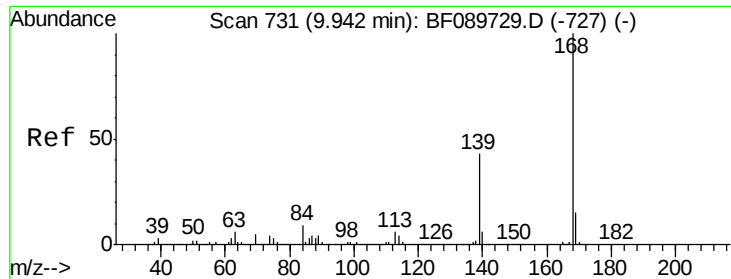
Ion Ratio Lower Upper

165 100

63 70.7 41.7 62.5#

89 71.2 44.6 67.0#

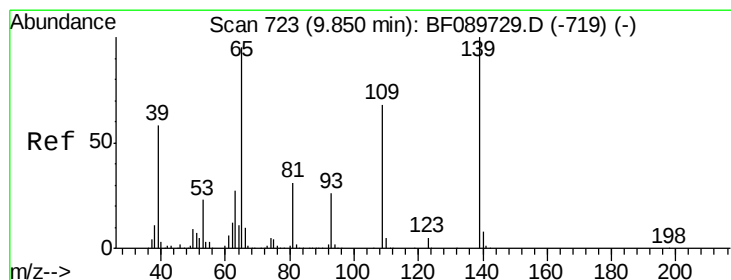
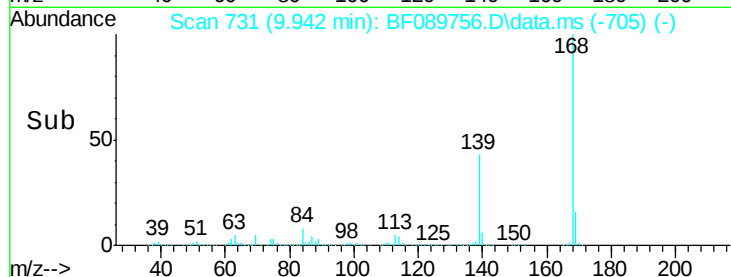
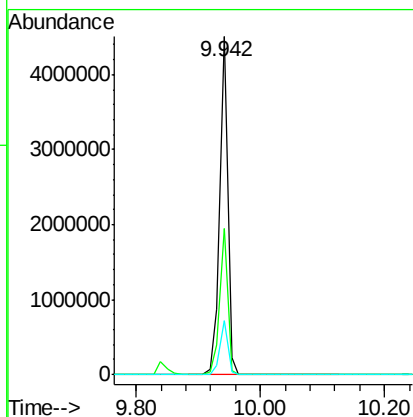
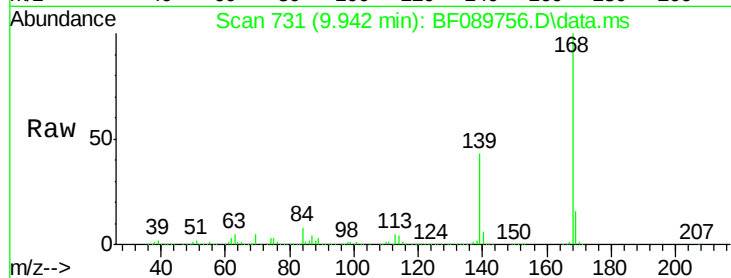




#54
Dibenzenofuran
Concen: 38.32 ng
RT: 9.942 min Scan# 731
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

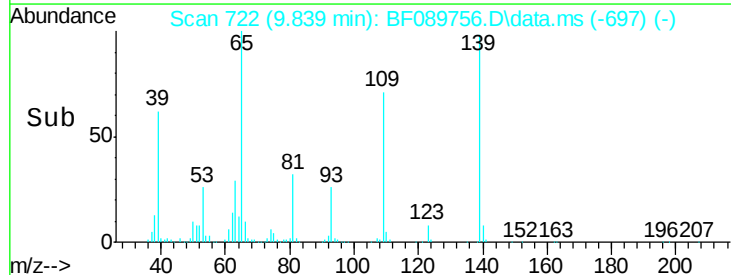
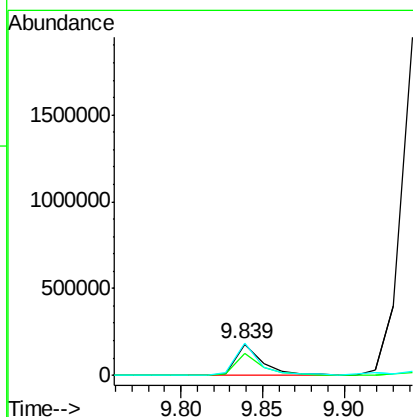
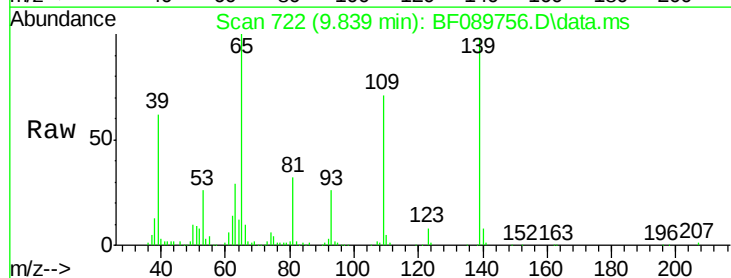
Instrument :
BNA_F
ClientSampleId :
9524DL

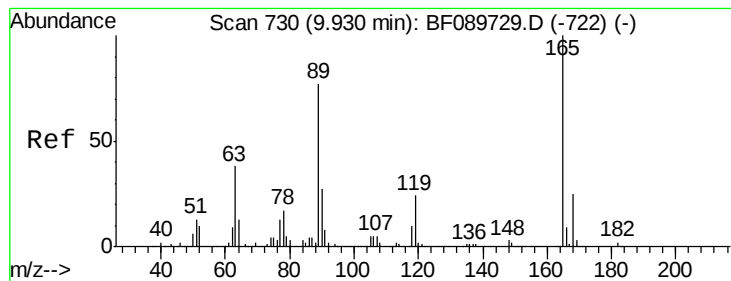
Tot Ion:168 Resp: 3911258
Ion Ratio Lower Upper
168 100
139 43.2 34.6 52.0
169 15.8 11.5 17.3



#55
4-Nitrophenol
Concen: 10.60 ng
RT: 9.839 min Scan# 722
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion:139 Resp: 199696
Ion Ratio Lower Upper
139 100
109 72.9 43.0 83.0
65 102.2 55.7 95.7#





#56

2,4-Dinitrotoluene

Concen: 7.99 ng

RT: 9.919 min Scan# 72

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

Tot Ion:165 Resp: 216508

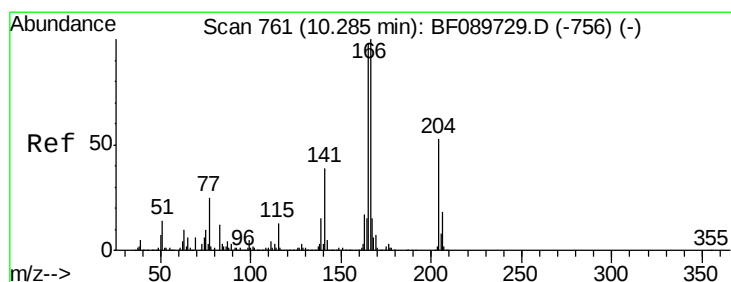
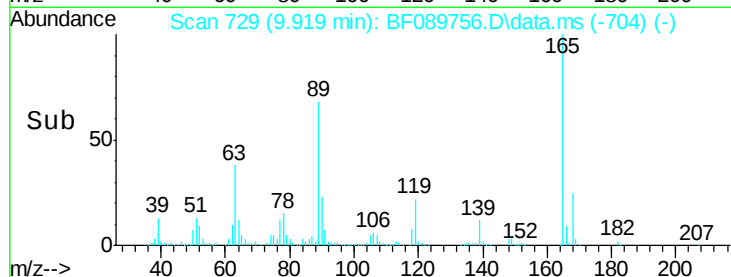
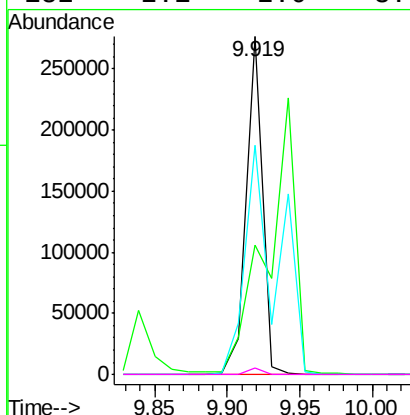
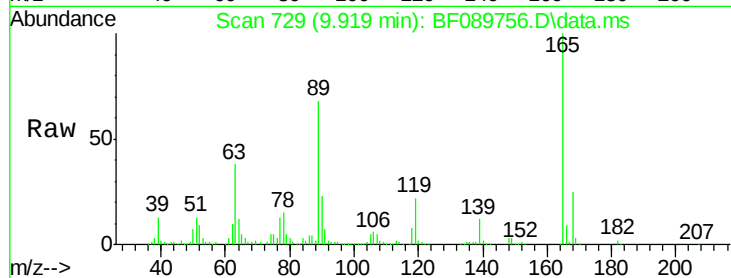
Ion Ratio Lower Upper

165 100

63 38.4 23.7 35.5#

89 67.7 44.0 66.0#

182 2.1 2.0 3.0



#57

Fluorene

Concen: 25.76 ng

RT: 10.285 min Scan# 761

Delta R.T. 0.000 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

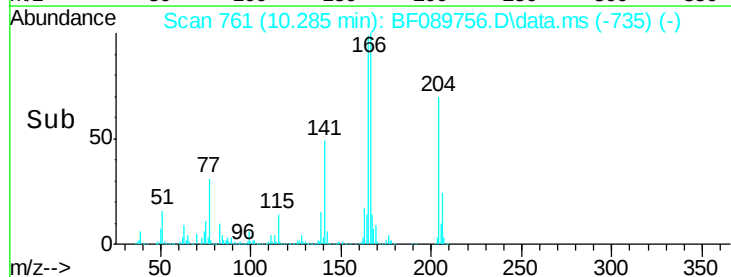
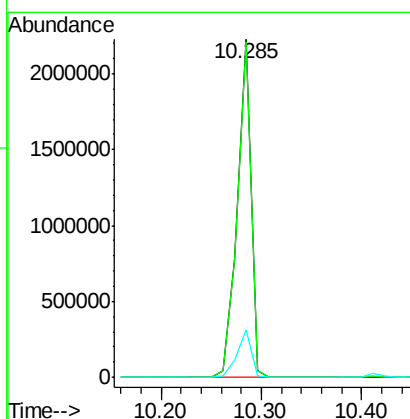
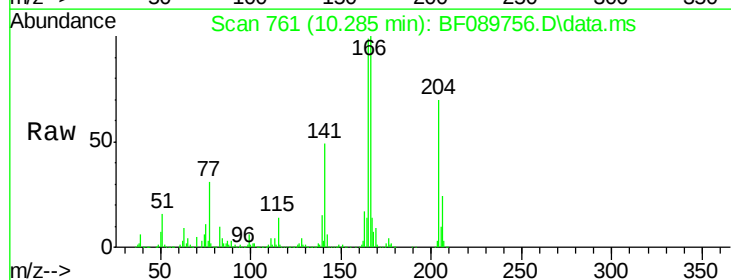
Tgt Ion:166 Resp: 2124697

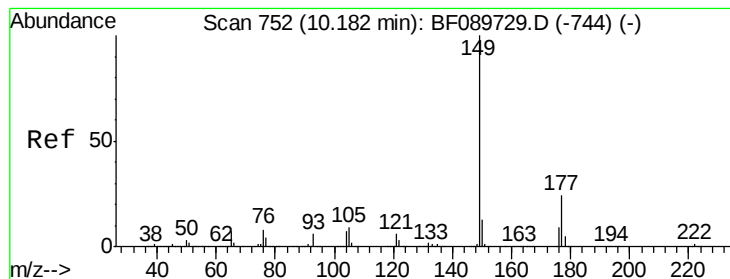
Ion Ratio Lower Upper

166 100

165 99.2 80.2 120.4

167 14.1 11.3 16.9





#59

Diethylphthalate

Concen: 35.88 ng

RT: 10.171 min Scan# 751

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

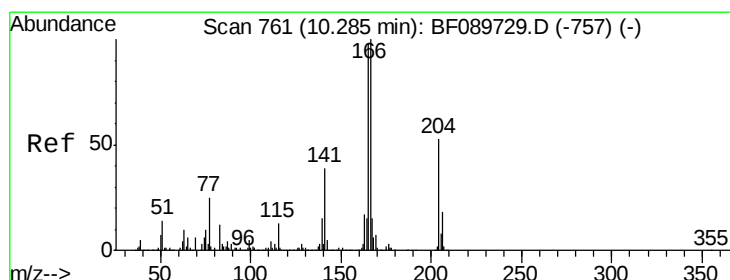
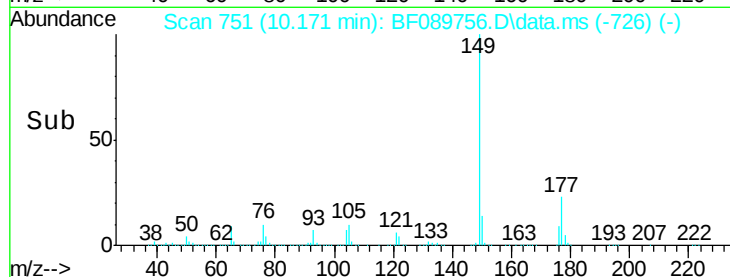
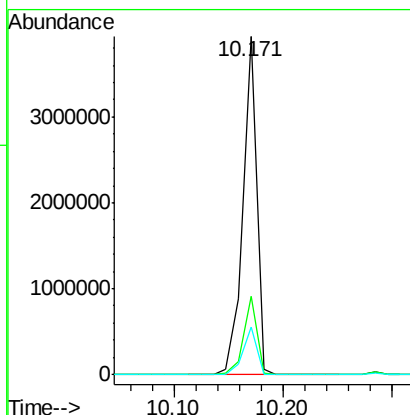
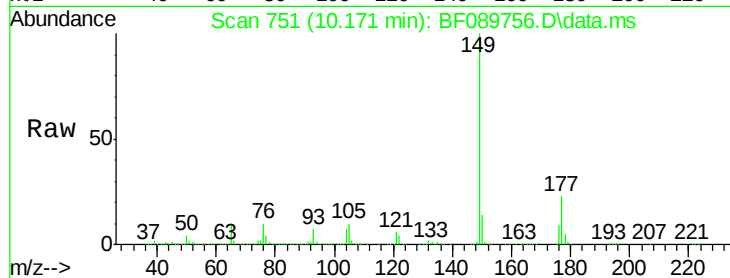
Tot Ion:149 Resp: 3386746

Ion Ratio Lower Upper

149 100

177 23.1 16.6 25.0

150 14.0 10.5 15.7



#60

4-Chlorophenyl-phenylether

Concen: 32.34 ng

RT: 10.285 min Scan# 761

Delta R.T. 0.001 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

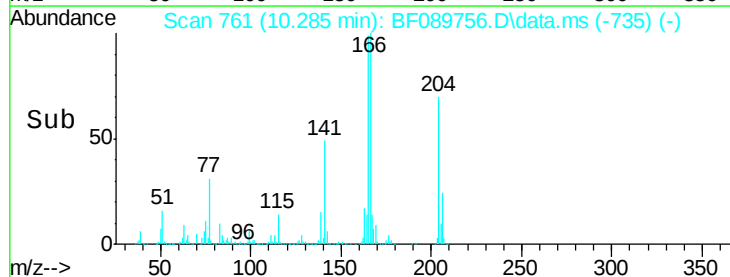
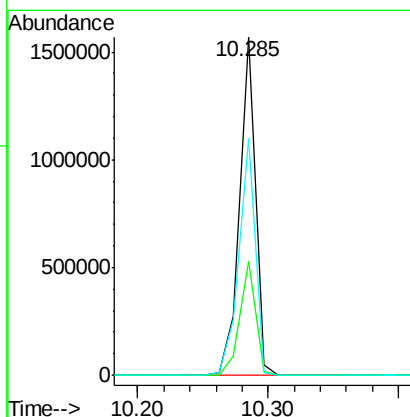
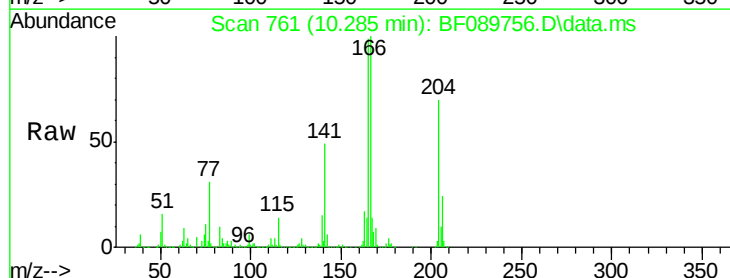
Tgt Ion:204 Resp: 1309314

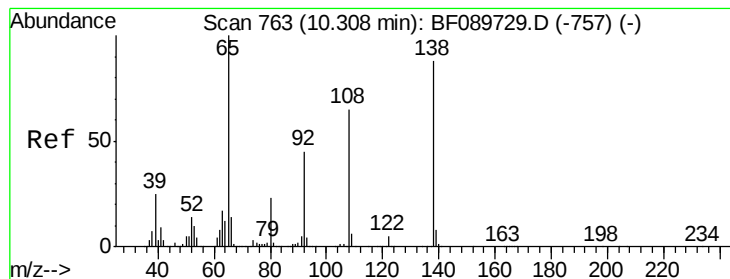
Ion Ratio Lower Upper

204 100

206 33.8 26.5 39.7

141 70.0 54.1 81.1





#61

4-Nitroaniline

Concen: 1.29 ng

RT: 10.285 min Scan# 761

Delta R.T. -0.023 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

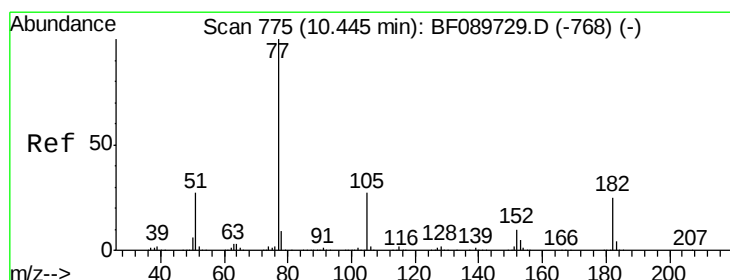
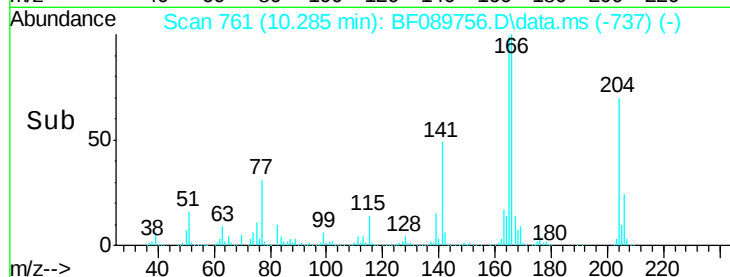
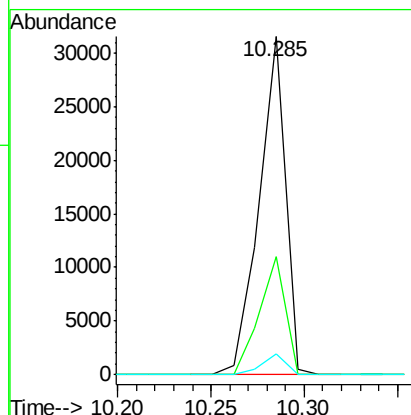
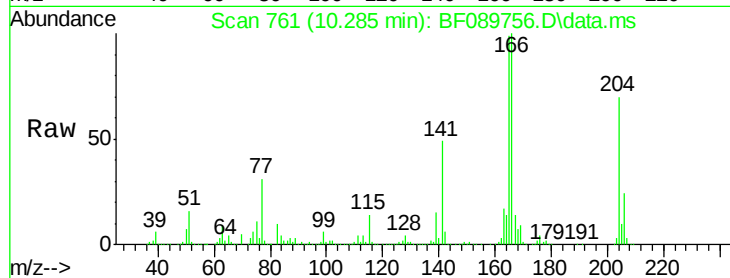
Tot Ion:138 Resp: 30743

Ion Ratio Lower Upper

138 100

92 34.9 26.4 66.4

108 6.2 47.0 87.0#



#62

Azobenzene

Concen: 7.44 ng

RT: 10.285 min Scan# 761

Delta R.T. -0.160 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion: 77 Resp: 663500

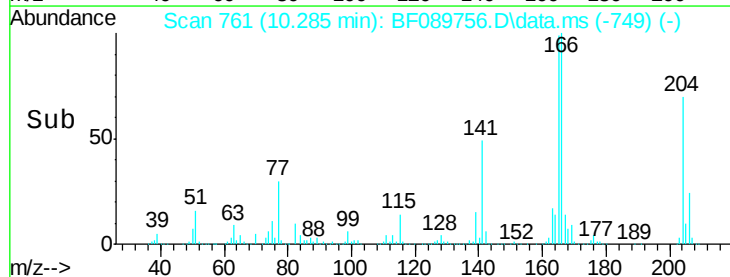
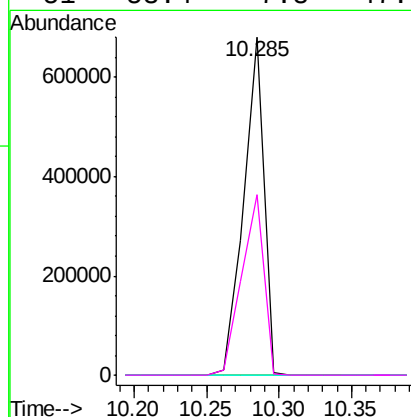
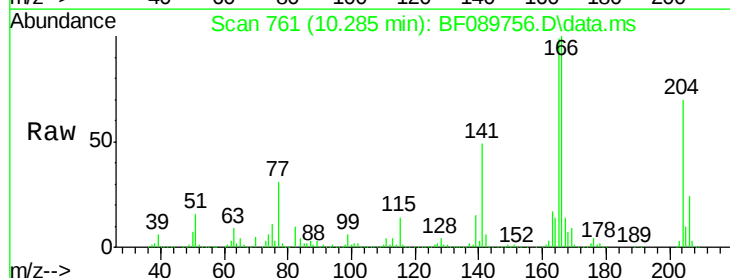
Ion Ratio Lower Upper

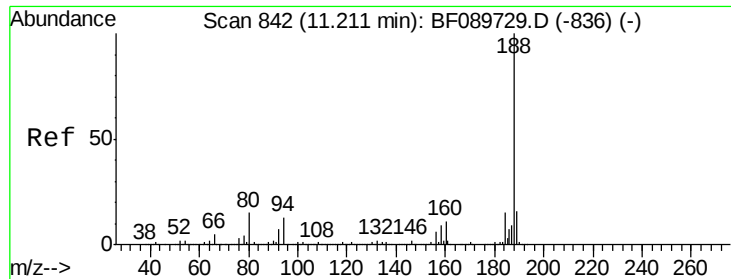
77 100

182 0.0 5.6 45.6#

105 0.2 4.0 44.0#

51 53.4 7.8 47.8#

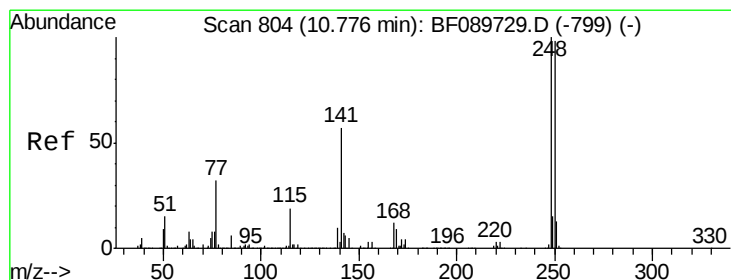
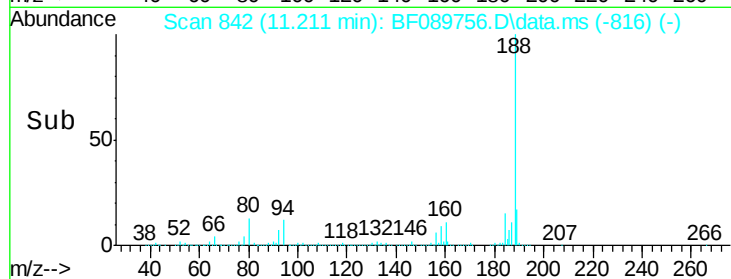
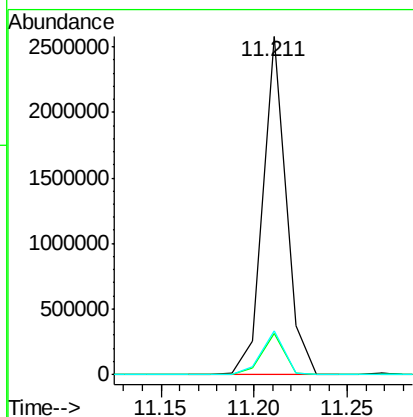
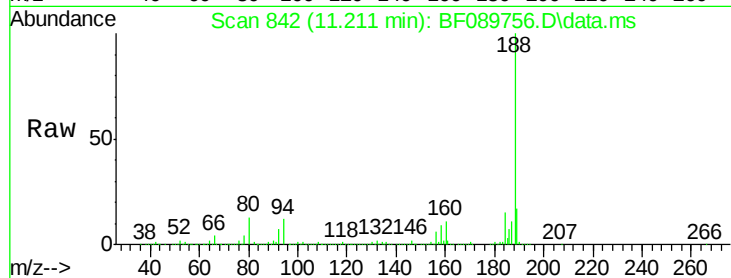




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.211 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

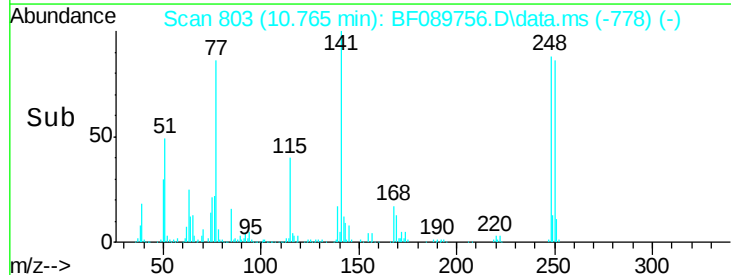
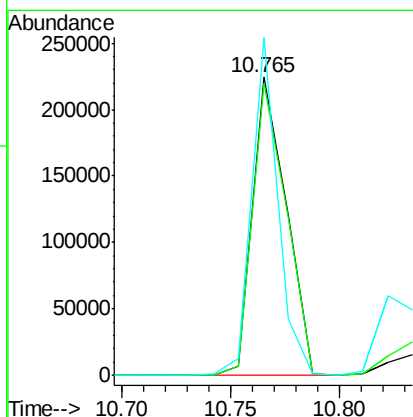
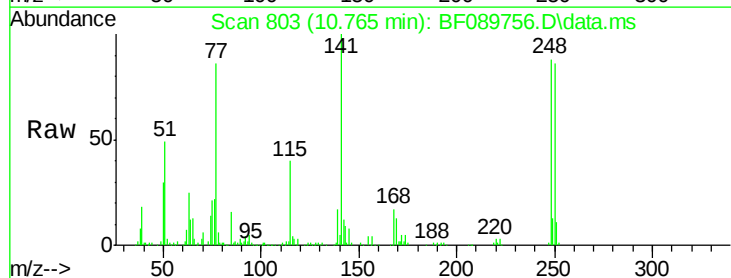
Instrument :
BNA_F
ClientSampleId :
9524DL

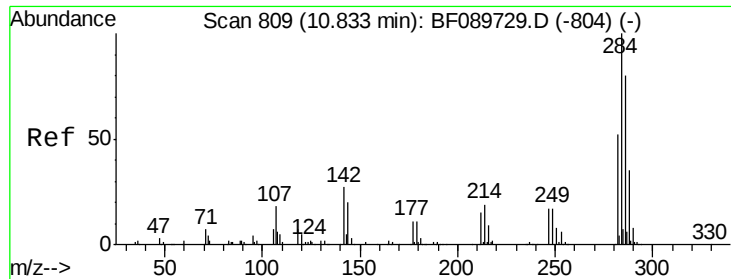
Tot Ion:188 Resp: 2210629
Ion Ratio Lower Upper
188 100
94 12.2 10.2 15.2
80 12.9 10.9 16.3



#66
4-Bromophenyl-phenylether
Concen: 10.56 ng
RT: 10.765 min Scan# 803
Delta R.T. -0.011 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion:248 Resp: 241854
Ion Ratio Lower Upper
248 100
250 97.9 78.6 117.8
141 113.5 31.4 47.2#





#67

Hexachlorobenzene

Concen: 48.30 ng

RT: 10.833 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

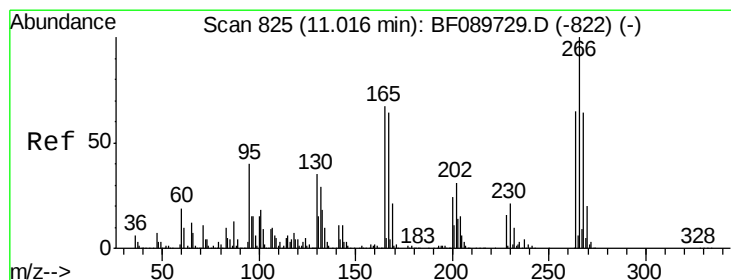
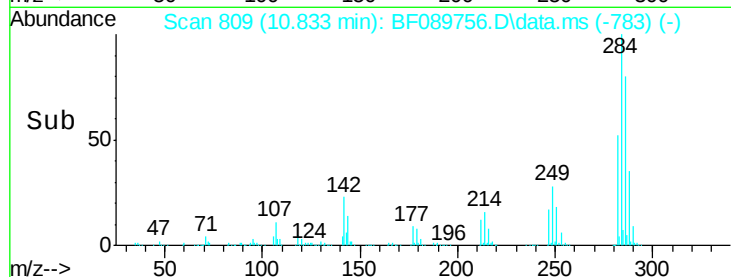
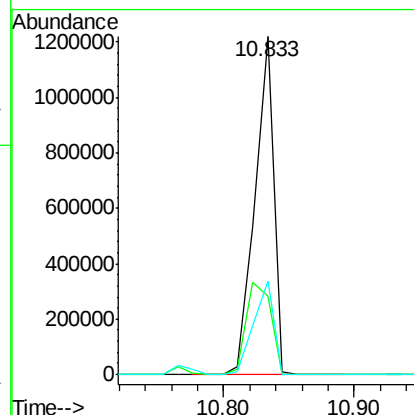
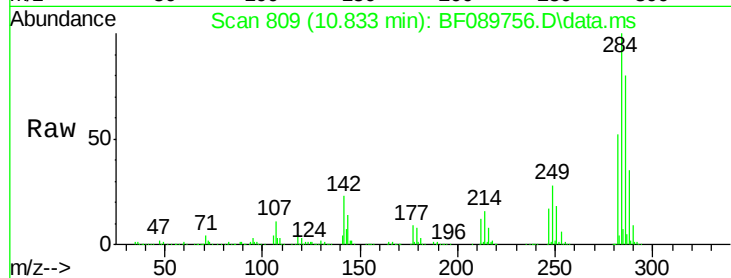
BNA_F

ClientSampleId :

9524DL

Tot Ion:284 Resp: 1229328

Ion	Ratio	Lower	Upper
284	100		
142	23.3	17.4	26.2
249	27.8	22.8	34.2



#69

Pentachlorophenol

Concen: 6.09 ng

RT: 11.016 min Scan# 825

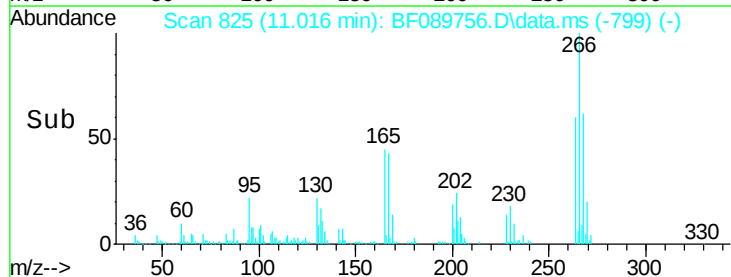
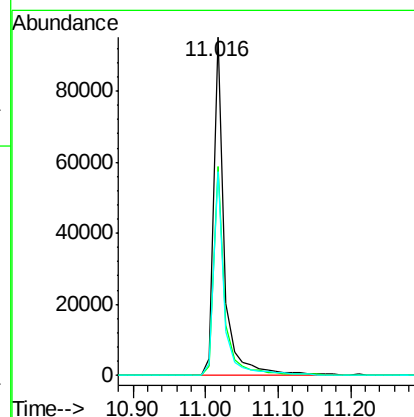
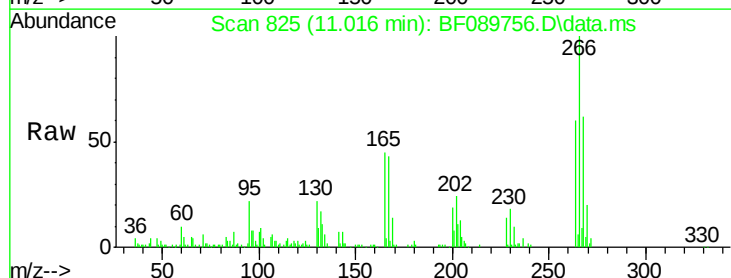
Delta R.T. 0.000 min

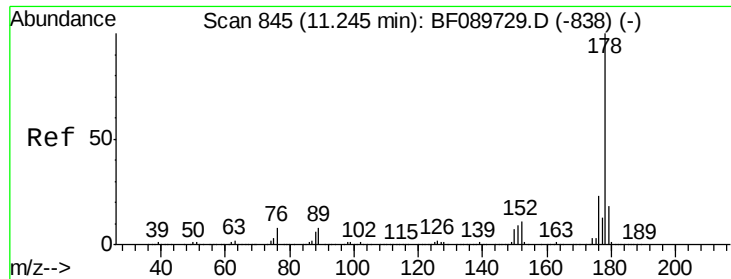
Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:266 Resp: 96511

Ion	Ratio	Lower	Upper
266	100		
268	61.6	53.2	79.8
264	60.3	51.1	76.7





#70

Phenanthrene

Concen: 11.51 ng

RT: 11.291 min Scan# 84

Delta R.T. 0.047 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

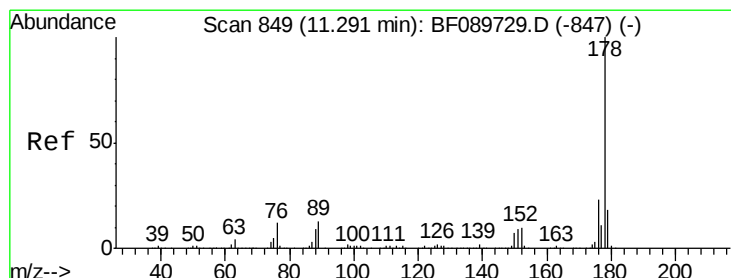
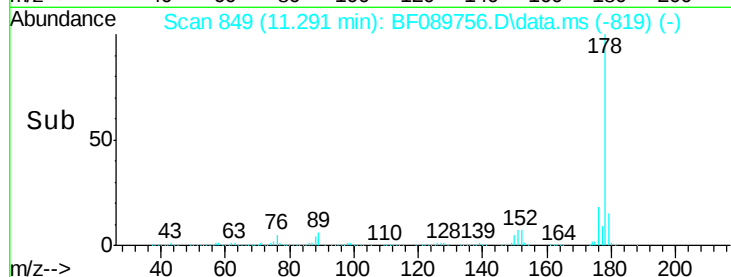
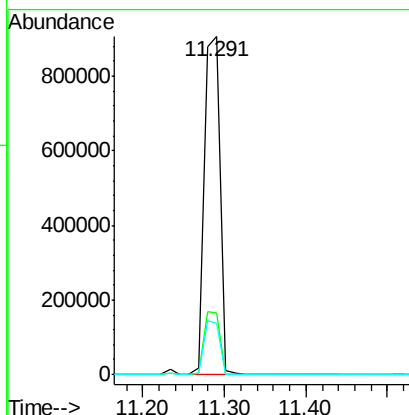
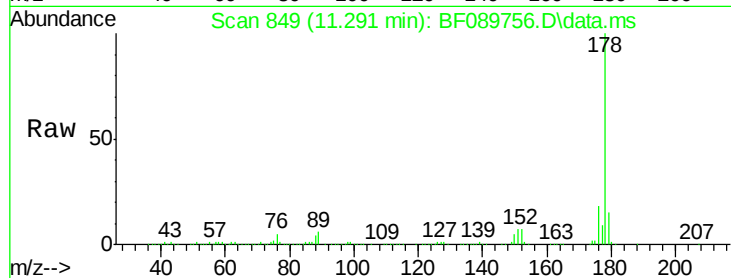
BNA_F

ClientSampleId :

9524DL

Tot Ion:178 Resp: 1250530

Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.4	24.6
179	15.1	12.5	18.7



#71

Anthracene

Concen: 11.01 ng

RT: 11.291 min Scan# 849

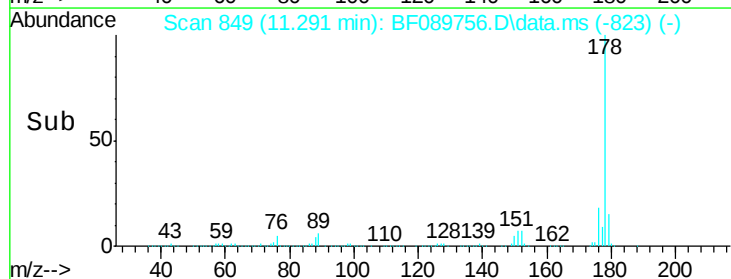
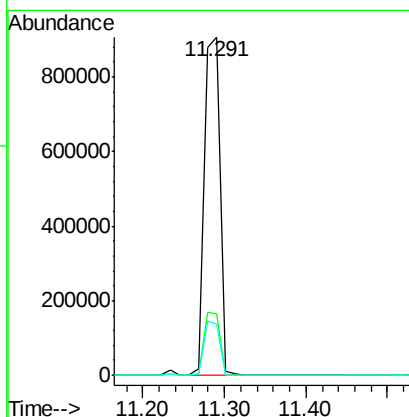
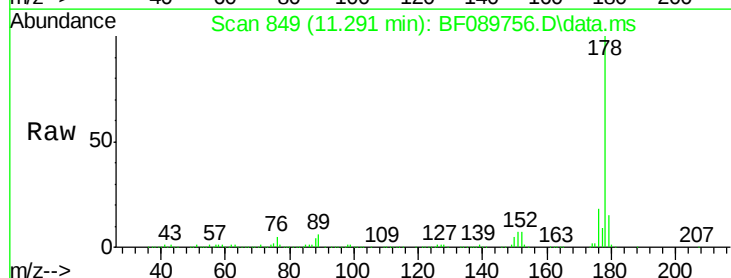
Delta R.T. 0.000 min

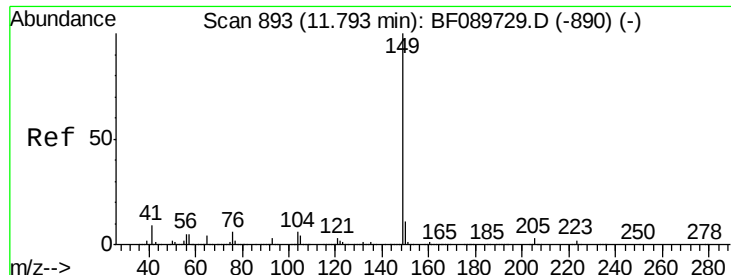
Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:178 Resp: 1250530

Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.4	24.6
179	15.1	13.1	19.7





#73

Di-n-butylphthalate

Concen: 16.83 ng

RT: 11.794 min Scan# 89

Delta R.T. 0.001 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

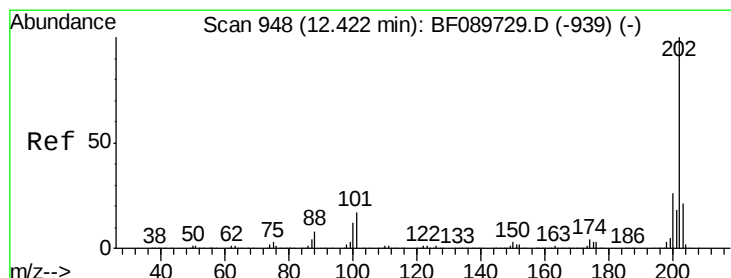
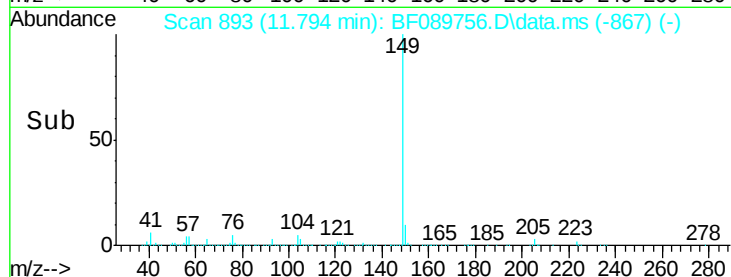
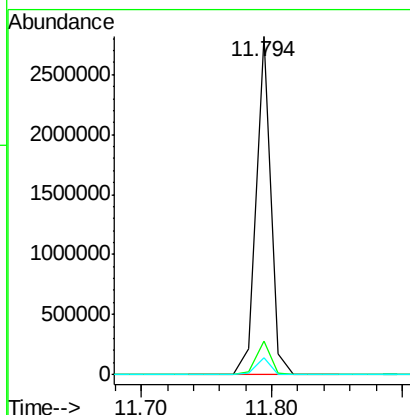
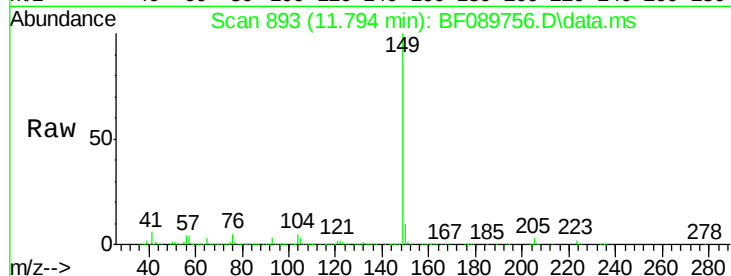
Tot Ion:149 Resp: 2202231

Ion Ratio Lower Upper

149 100

150 9.9 7.9 11.9

104 5.1 4.3 6.5



#74

Fluoranthene

Concen: 12.02 ng

RT: 12.422 min Scan# 948

Delta R.T. 0.000 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

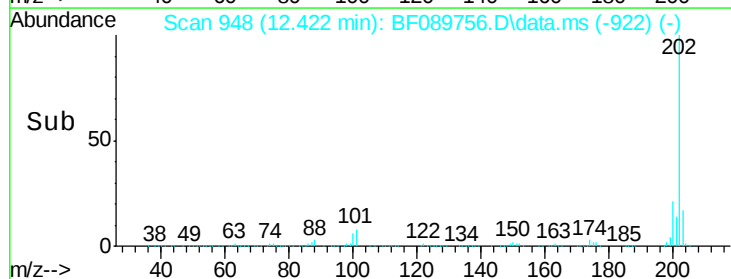
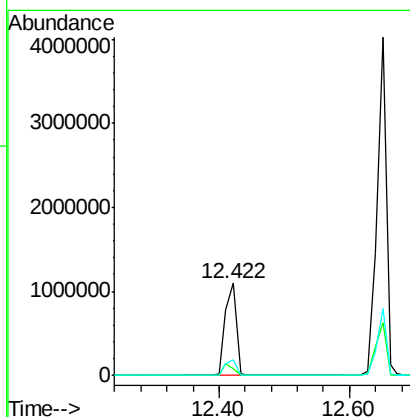
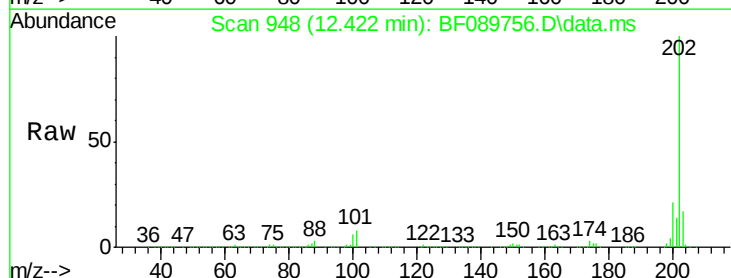
Tgt Ion:202 Resp: 1311898

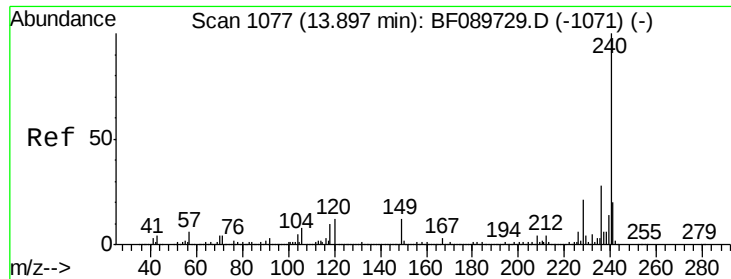
Ion Ratio Lower Upper

202 100

101 7.7 0.0 31.2

203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.908 min Scan# 10

Delta R.T. 0.012 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

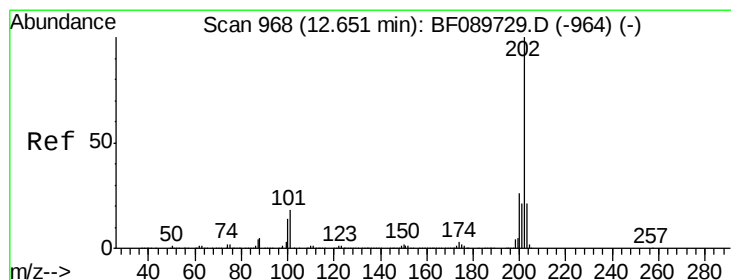
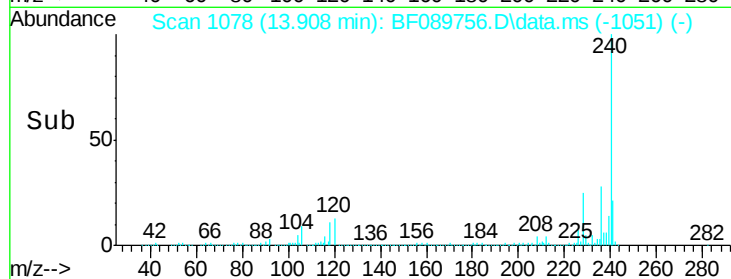
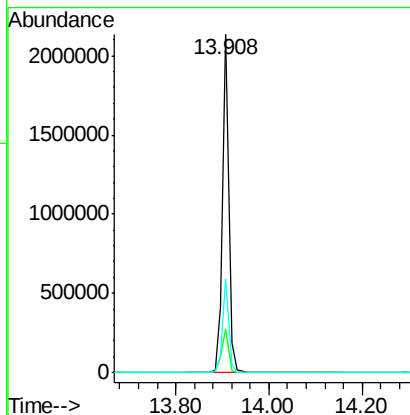
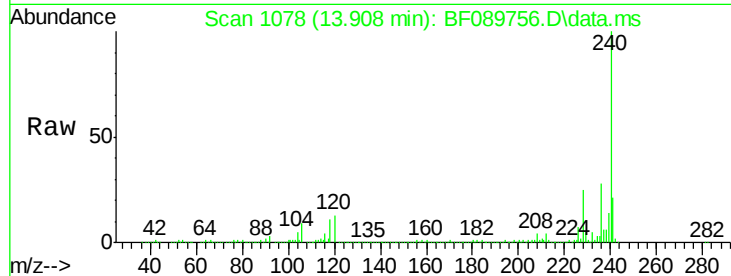
BNA_F

ClientSampleId :

9524DL

Tot Ion:240 Resp: 1926334

Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.3	12.5#
236	27.6	21.3	31.9



#77

Pyrene

Concen: 30.88 ng

RT: 12.651 min Scan# 968

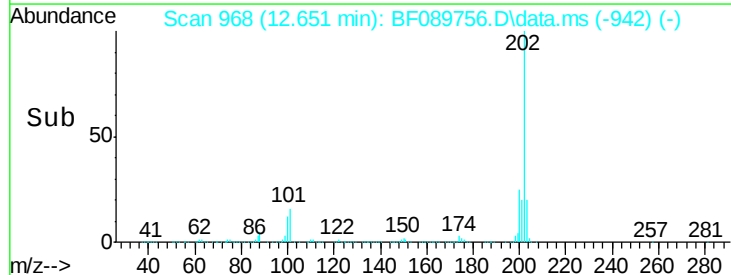
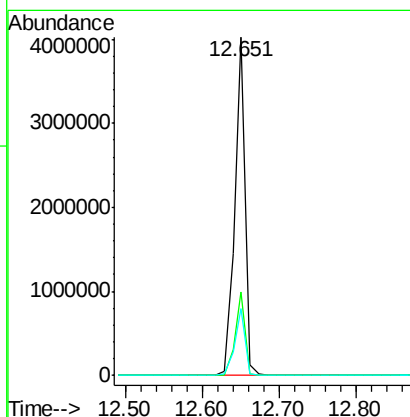
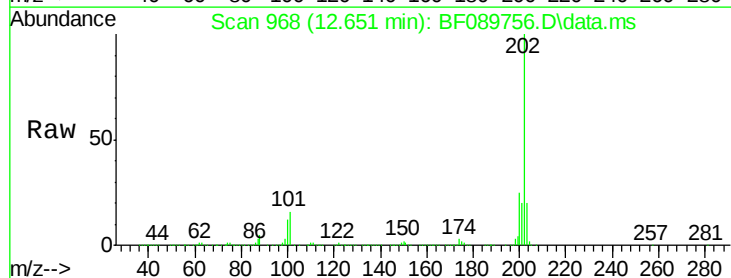
Delta R.T. 0.000 min

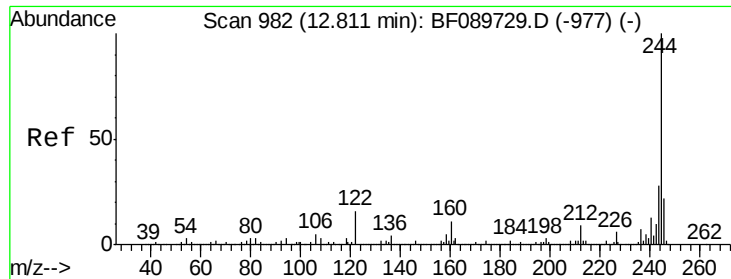
Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:202 Resp: 3892410

Ion	Ratio	Lower	Upper
202	100		
200	24.6	17.8	26.6
203	19.9	14.2	21.4





#78

Terphenyl-d14

Concen: 17.84 ng

RT: 12.799 min Scan# 981

Delta R.T. -0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleID :

9524DL

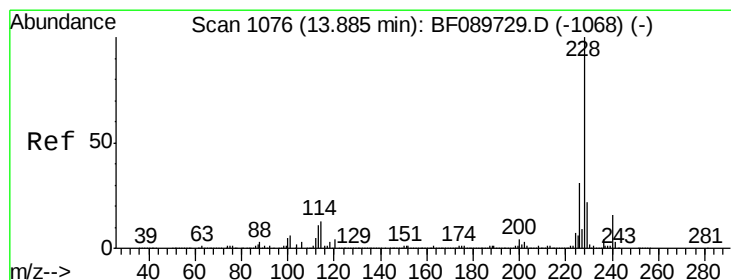
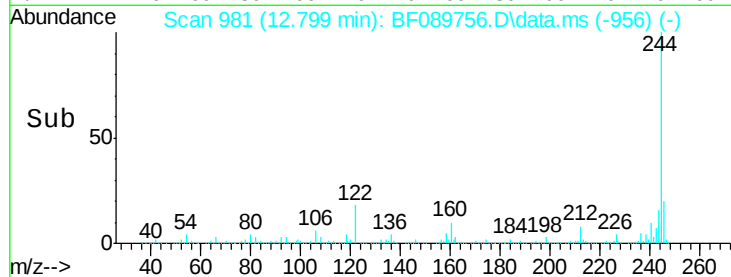
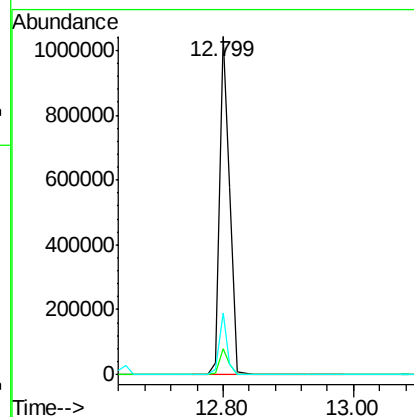
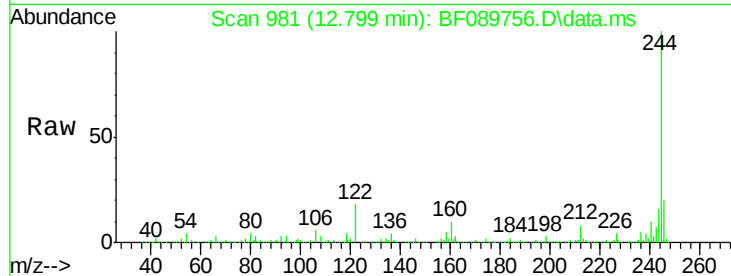
Tot Ion:244 Resp: 1150274

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

122 18.1 12.0 18.0#



#80

Benzo(a)anthracene

Concen: 28.46 ng

RT: 13.897 min Scan# 1077

Delta R.T. 0.012 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

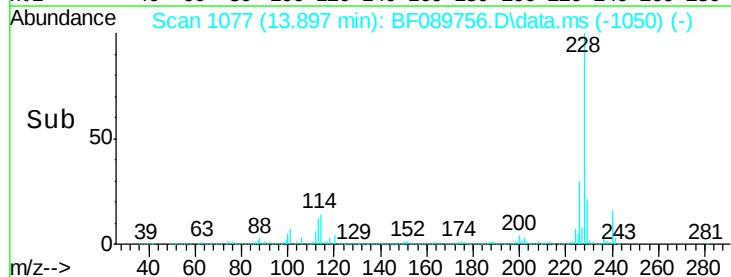
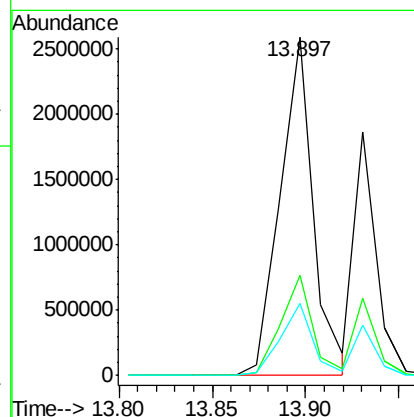
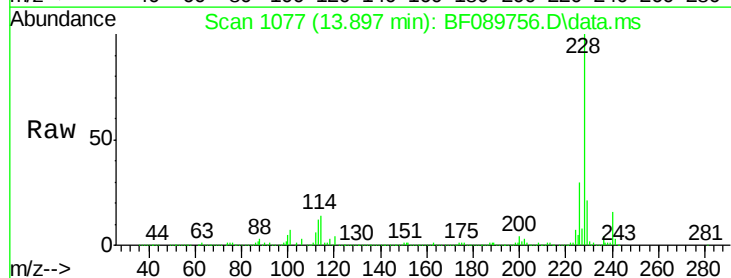
Tgt Ion:228 Resp: 3185351

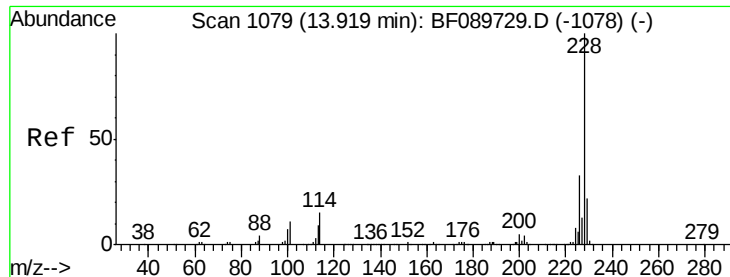
Ion Ratio Lower Upper

228 100

226 29.7 23.2 34.8

229 21.2 16.2 24.4





#82

Chrysene

Concen: 15.69 ng

RT: 13.931 min Scan# 1079

Delta R.T. 0.011 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleID :

9524DL

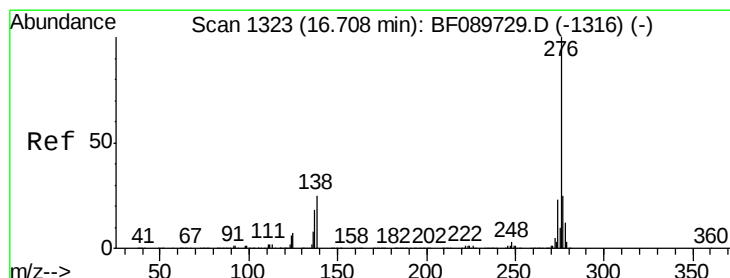
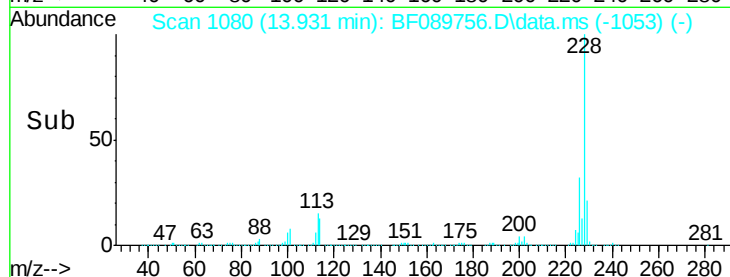
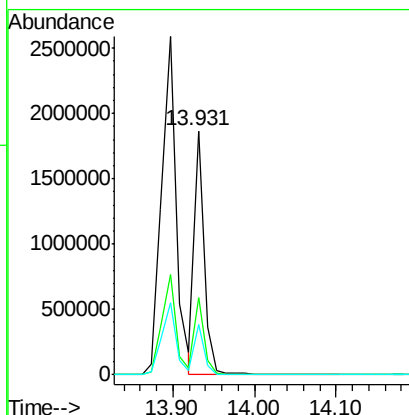
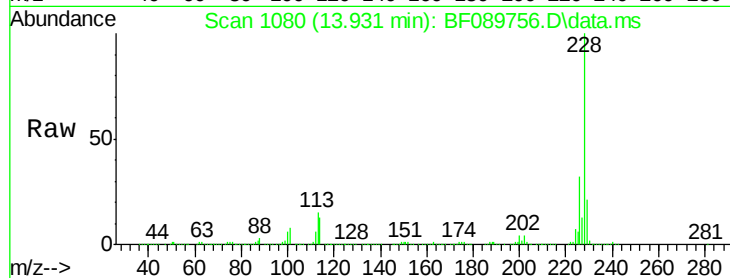
Tot Ion:228 Resp: 1579980

Ion Ratio Lower Upper

228 100

226 31.8 25.4 38.0

229 20.7 16.5 24.7



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.77 ng

RT: 16.765 min Scan# 1328

Delta R.T. 0.057 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

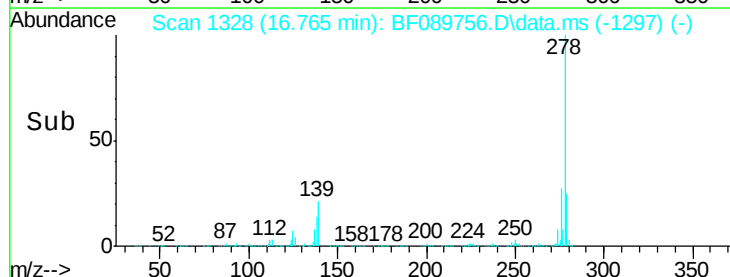
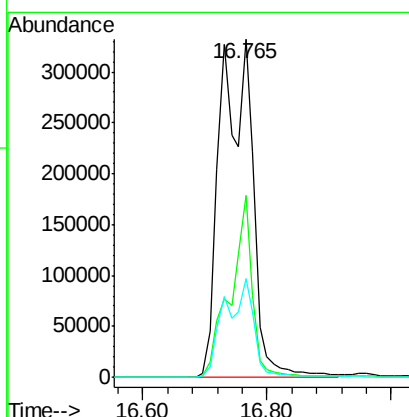
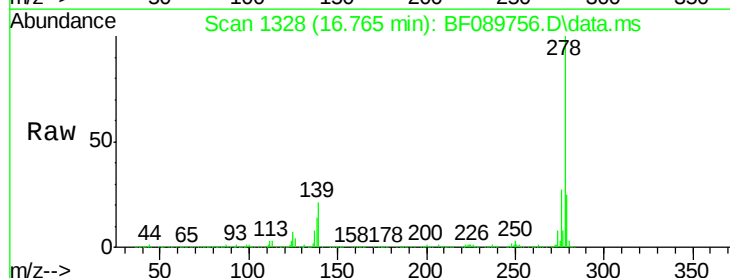
Tgt Ion:276 Resp: 1182089

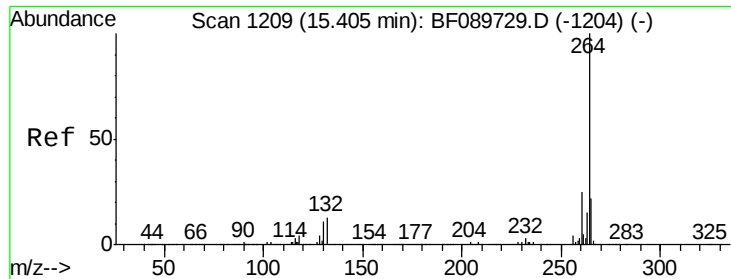
Ion Ratio Lower Upper

276 100

138 37.7 24.6 36.8#

277 26.7 20.4 30.6



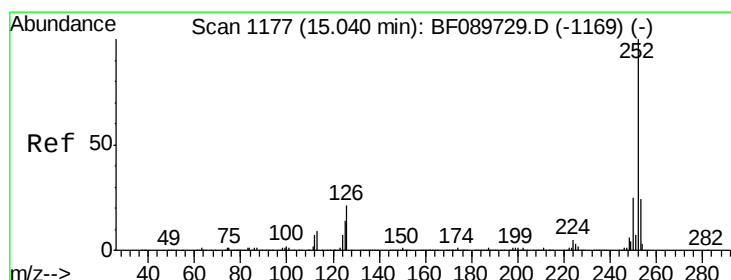
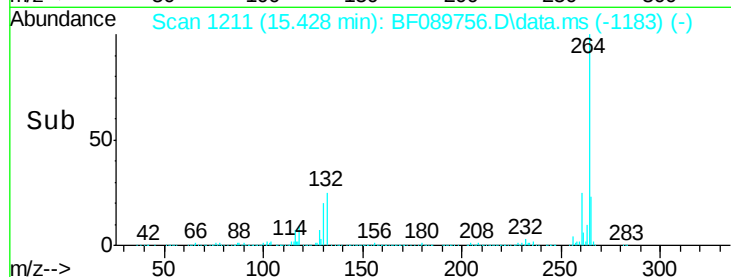
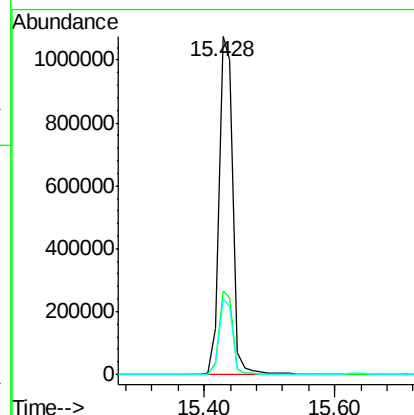
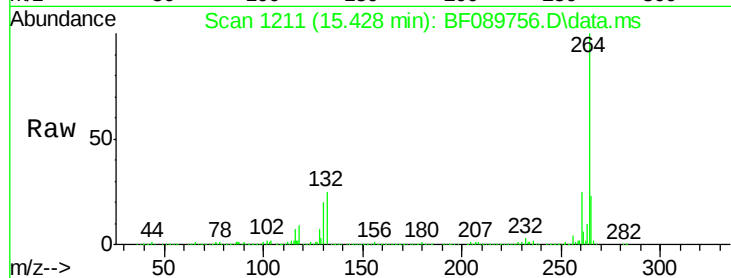


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.428 min Scan# 1209
Delta R.T. 0.023 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Instrument :
BNA_F
ClientSampled :
9524DL

Tot Ion:264 Resp: 1617545

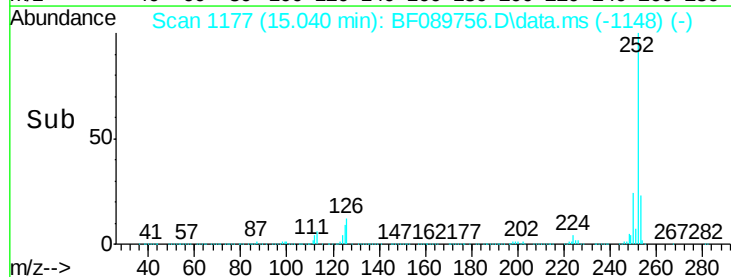
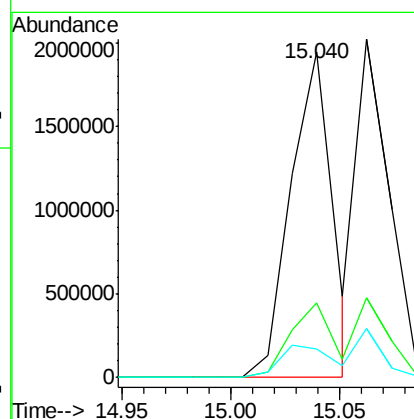
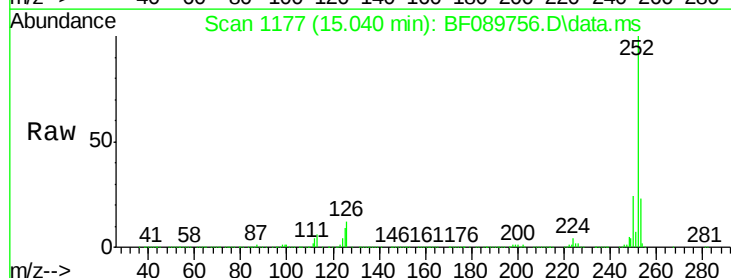
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.2	30.2
265	22.5	17.4	26.2

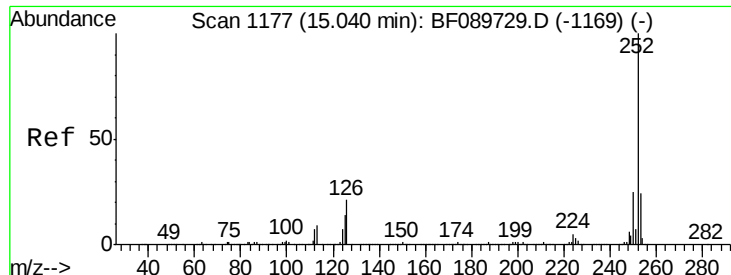


#87
Benzo(b)fluoranthene
Concen: 25.33 ng
RT: 15.040 min Scan# 1177
Delta R.T. 0.034 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion:252 Resp: 2596385

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	8.9	11.4	17.2#

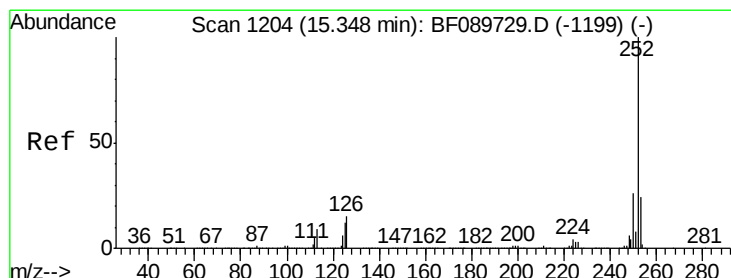
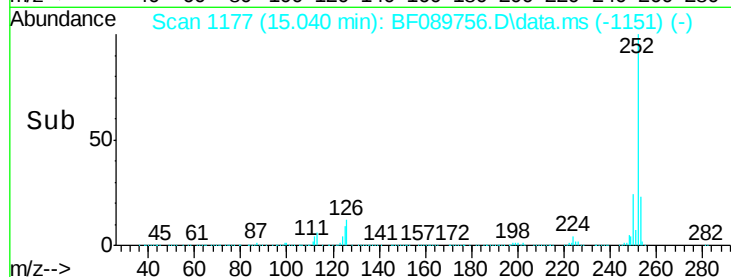
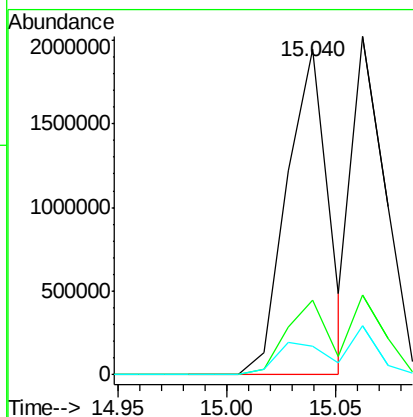
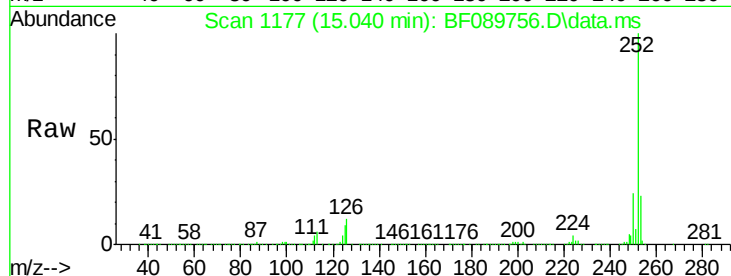




#88
Benzo(k)fluoranthene
Concen: 30.78 ng
RT: 15.040 min Scan# 1177
Delta R.T. 0.001 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

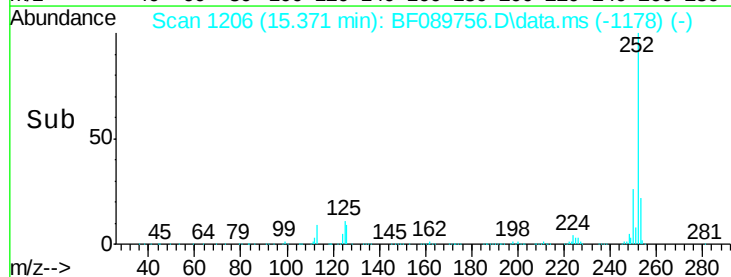
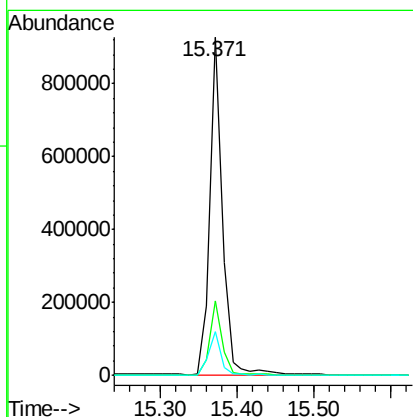
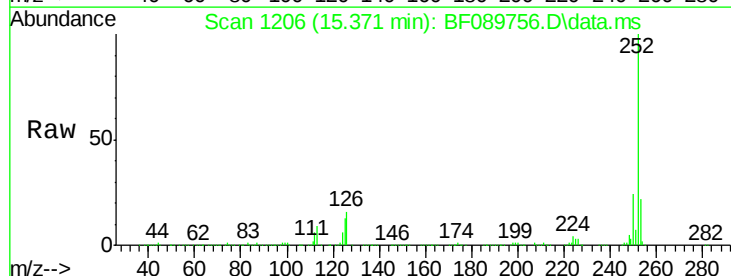
Instrument :
BNA_F
ClientSampleId :
9524DL

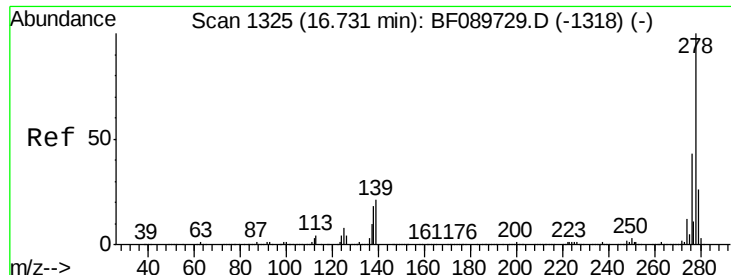
Tot Ion:252 Resp: 2596385
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 8.9 9.8 14.6#



#89
Benzo(a)pyrene
Concen: 12.36 ng
RT: 15.371 min Scan# 1206
Delta R.T. 0.023 min
Lab File: BF089756.D
Acq: 17 Aug 2016 11:18

Tgt Ion:252 Resp: 1045548
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 12.9 11.7 17.5





#90

Dibenzo(a,h)anthracene

Concen: 35.59 ng

RT: 16.765 min Scan# 1325

Delta R.T. 0.034 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Instrument :

BNA_F

ClientSampleId :

9524DL

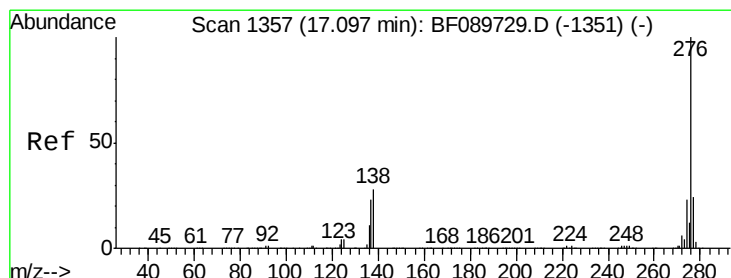
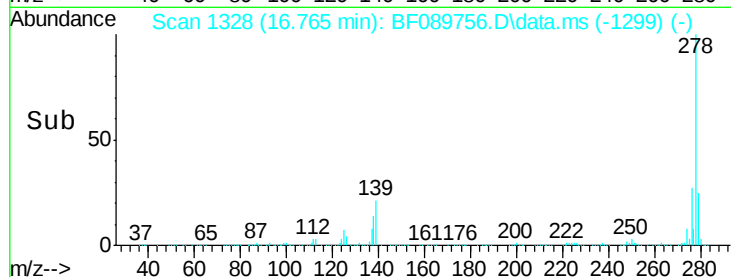
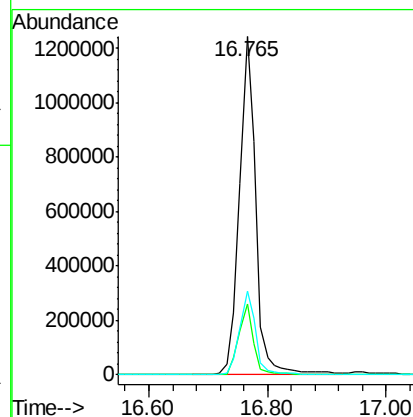
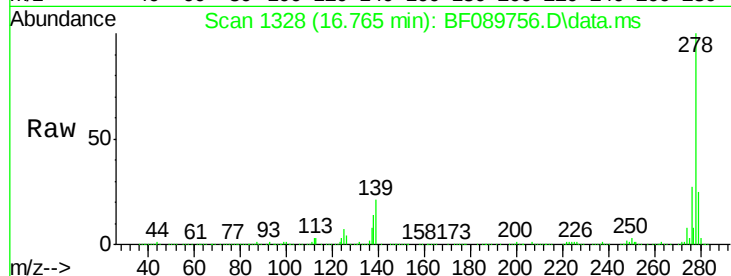
Tot Ion:278 Resp: 2371565

Ion Ratio Lower Upper

278 100

139 20.7 14.9 22.3

279 24.7 19.2 28.8



#91

Benzo(g,h,i)perylene

Concen: 23.49 ng

RT: 17.131 min Scan# 1360

Delta R.T. 0.034 min

Lab File: BF089756.D

Acq: 17 Aug 2016 11:18

Tgt Ion:276 Resp: 1593060

Ion Ratio Lower Upper

276 100

277 24.3 19.2 28.8

138 22.6 22.1 33.1

