

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081616\
 Data File : BF089755.D
 Acq On : 17 Aug 2016 10:52
 Operator : UM/SJ
 Sample : H4145-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9524

Quant Time: Aug 17 11:24:38 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	6.696	152	604522	20.00	ng	0.00	
21) Naphthalene-d8	7.987	136	2504353	20.00	ng	0.00	
38) Acenaphthene-d10	9.736	164	1199090	20.00	ng	0.00	
63) Phenanthrene-d10	11.211	188	2105433	20.00	ng	0.00	
75) Chrysene-d12	13.919	240	1623149	20.00	ng	0.02	
86) Perylene-d12	15.428	264	1254822	20.00	ng	0.02	
System Monitoring Compounds							
5) 2-Fluorophenol	5.279	112	2070503	57.15	ng	0.00	
7) Phenol-d6	6.330	99	2693563	58.45	ng	0.00	
23) Nitrobenzene-d5	7.267	82	1773488	43.24	ng	0.00	
41) 2,4,6-Tribromophenol	10.525	330	1081731	93.25	ng	0.00	
44) 2-Fluorobiphenyl	9.073	172	4139376	55.39	ng	0.00	
78) Terphenyl-d14	12.811	244	3927388	72.29	ng	0.00	
Target Compounds							Qvalue
6) Aniline	6.353	93	75496	1.22	ng		# 1
8) 2-Chlorophenol	6.479	128	822319	19.08	ng		90
10) Phenol	6.353	94	3624480	63.19	ng		77
11) bis(2-Chloroethyl)ether	6.444	93	1260477	29.66	ng		92
12) 1,3-Dichlorobenzene	6.639	146	867353	18.83	ng		96
13) 1,4-Dichlorobenzene	6.639	146	867353	18.59	ng		98
14) 1,2-Dichlorobenzene	6.639	146	867311	19.49	ng		97
17) 2-Methylphenol	6.959	107	1775084	51.84	ng		98
19) n-Nitroso-di-n-propyla...	7.130	70	3293633	109.13	ng		92
20) 3+4-Methylphenols	7.119	107	2253260	51.39	ng	#	47
24) Nitrobenzene	7.119	77	621781	13.48	ng	#	44
25) Isophorone	7.542	82	6746555	82.21	ng	#	86
26) 2-Nitrophenol	7.610	139	1614231	74.36	ng	#	88
28) bis(2-Chloroethoxy)met...	7.610	93	184934	3.71	ng	#	61
29) 2,4-Dichlorophenol	7.850	162	2918191	85.19	ng		95
30) 1,2,4-Trichlorobenzene	7.930	180	3346026	90.99	ng		100
31) Naphthalene	8.010	128	4634973	41.23	ng		95
33) 4-Chloroaniline	8.010	127	704046	13.54	ng	#	35
34) Hexachlorobutadiene	8.136	225	1138968	58.95	ng		99
35) Caprolactam	8.536	113	33518	3.17	ng	#	28
36) 4-Chloro-3-methylphenol	8.536	107	1202665	32.25	ng		91
37) 2-Methylnaphthalene	8.708	142	4173737	54.55	ng		99
42) 2,4,6-Trichlorophenol	9.016	196	2107509	84.63	ng		99
43) 2,4,5-Trichlorophenol	9.016	196	2107509	88.76	ng		99
46) 2-Chloronaphthalene	9.188	162	1942635	26.10	ng		95
48) Acenaphthylene	9.599	152	3893167	33.98	ng		96
49) Dimethylphthalate	9.473	163	865754	9.98	ng		99
50) 2,6-Dinitrotoluene	9.530	165	1848634	94.14	ng		89
53) 2,4-Dinitrophenol	9.931	184	248	1.81	ng	#	1
54) Dibenzofuran	9.953	168	12263791	128.91	ng	#	84
55) 4-Nitrophenol	9.862	139	1106444	62.99	ng		91
56) 2,4-Dinitrotoluene	9.931	165	835663	33.11	ng	#	55
57) Fluorene	10.285	166	4933325	64.19	ng		98

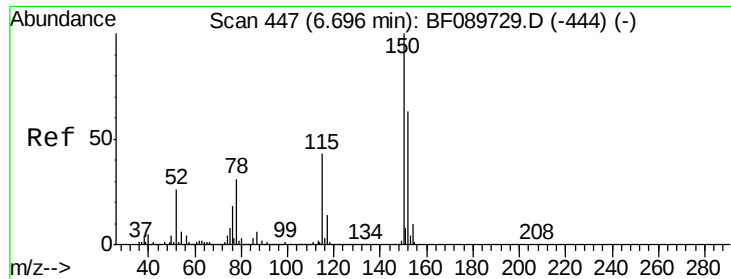
Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081616\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	10.193	149	9969166	113.32	nq	# 85
60) 4-Chlorophenyl-phenyle...	10.296	204	2844323	75.38	nq	94
61) 4-Nitroaniline	10.296	138	80371	3.63	nq	# 47
62) Azobenzene	10.296	77	1375534	16.55	nq	# 43
66) 4-Bromophenyl-phenylether	10.776	248	1079716	49.52	nq	# 74
67) Hexachlorobenzene	10.845	284	3485664	143.81	nq	# 81
68) Atrazine	11.016	200	92507	4.62	nq	# 38
69) Pentachlorophenol	11.028	266	482831	31.97	nq	99
70) Phenanthrene	11.291	178	4522785	43.70	nq	95
71) Anthracene	11.291	178	4522785	41.83	nq	96
73) Di-n-butylphthalate	11.805	149	7837437	62.90	nq	# 96
74) Fluoranthene	12.422	202	4645177	44.67	nq	90
76) Benzidine	12.811	184	68513	1.18	nq	98
77) Pyrene	12.422	202	4617547	43.47	nq	94
80) Benzo(a)anthracene	13.908	228	9804968	103.97	nq	91
82) Chrysene	13.942	228	5083219	59.89	nq	95
83) Bis(2-ethylhexyl)phtha...	13.919	149	111258	1.58	nq	# 96
85) Indeno(1,2,3-cd)pyrene	16.743	276	2800358	38.73	nq	# 69
87) Benzo(b)fluoranthene	15.040	252	8920667	112.20	nq	96
88) Benzo(k)fluoranthene	15.040	252	8920667	136.32	nq	# 95
89) Benzo(a)pyrene	15.371	252	3581766	54.56	nq	96
90) Dibenzo(a,h)anthracene	16.788	278	8916532	172.51	nq	# 93
91) Benzo(g,h,i)perylene	17.166	276	6419524	122.03	nq	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.696 min Scan# 44

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :
9524

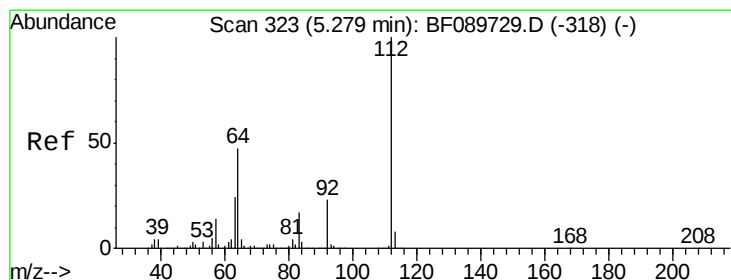
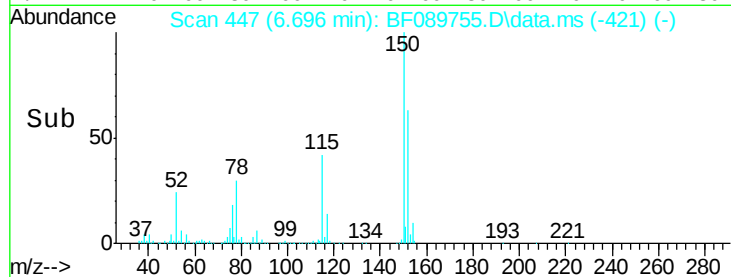
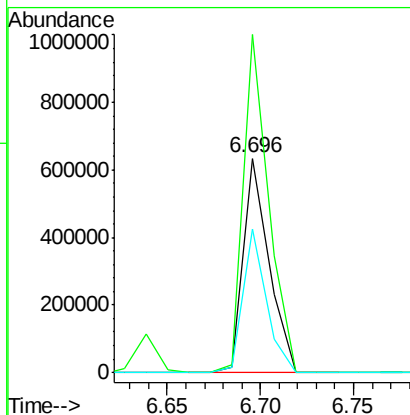
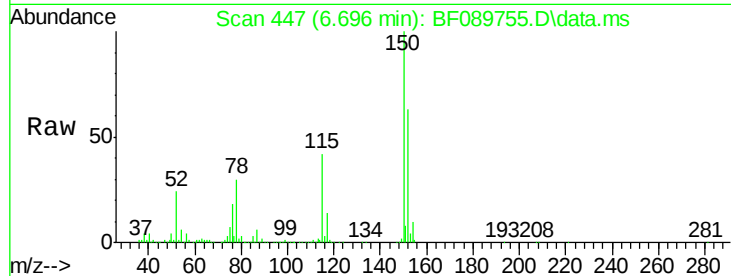
Tot Ion:152 Resp: 604522

Ion Ratio Lower Upper

152 100

150 157.9 125.3 187.9

115 67.0 40.9 61.3#



#5

2-Fluorophenol

Concen: 57.15 ng

RT: 5.279 min Scan# 323

Delta R.T. 0.001 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

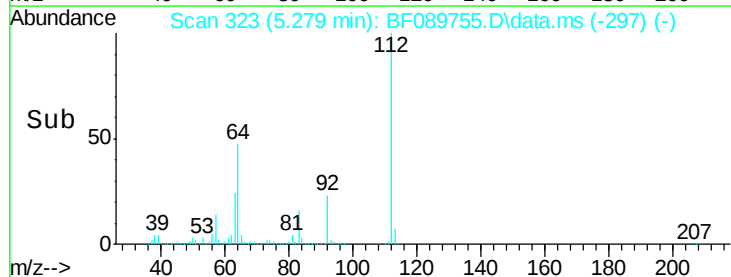
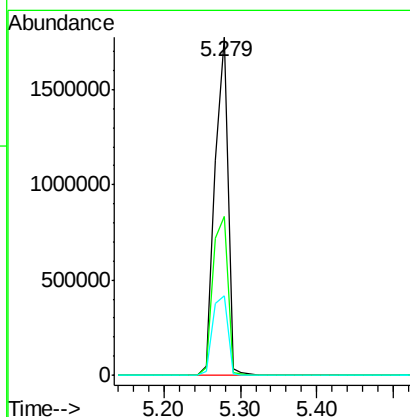
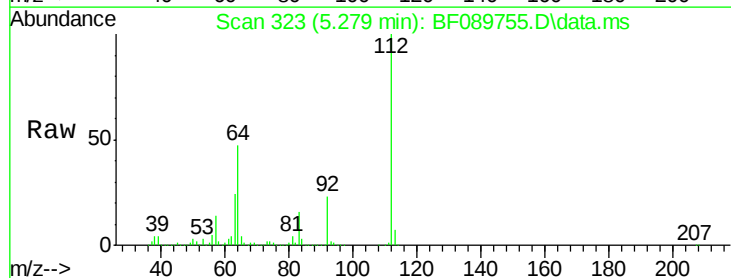
Tgt Ion:112 Resp: 2070503

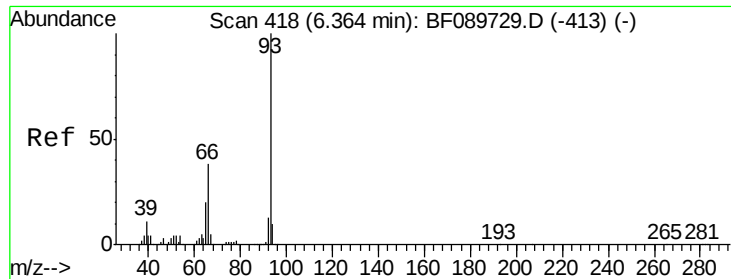
Ion Ratio Lower Upper

112 100

64 47.0 45.0 67.4

63 23.7 23.1 34.7





#6

Aniline

Concen: 1.22 ng

RT: 6.353 min Scan# 41

Delta R.T. -0.011 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

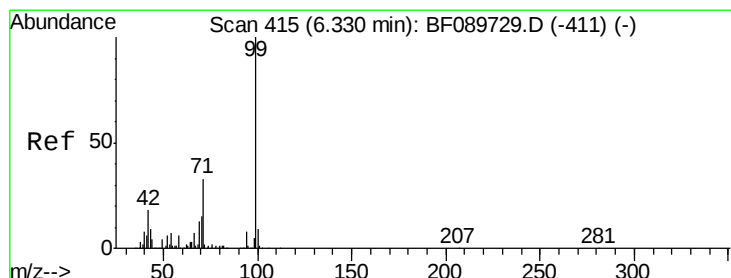
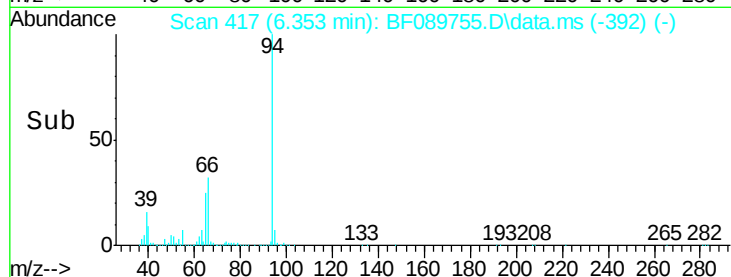
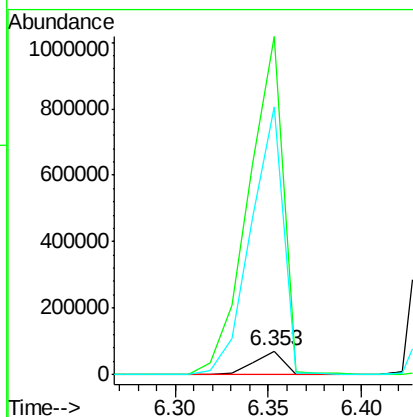
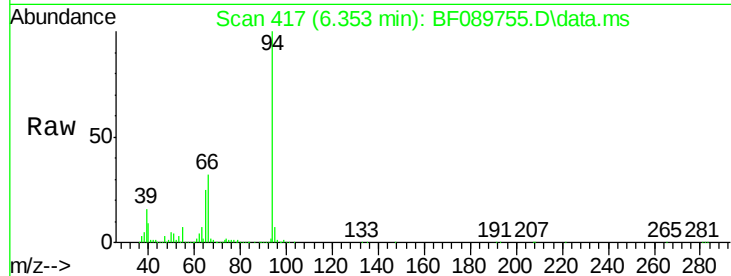
Tot Ion: 93 Resp: 75496

Ion Ratio Lower Upper

93 100

66 1459.5 30.6 46.0#

65 1158.3 15.4 23.2#



#7

Phenol-d6

Concen: 58.45 ng

RT: 6.330 min Scan# 415

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

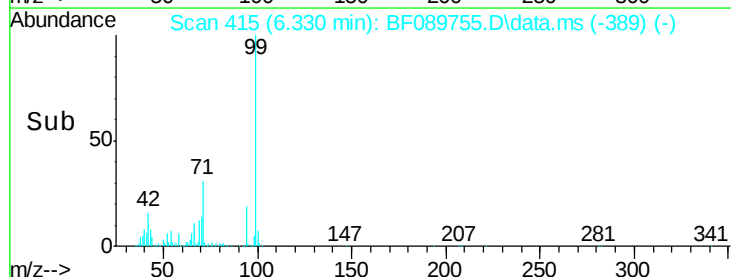
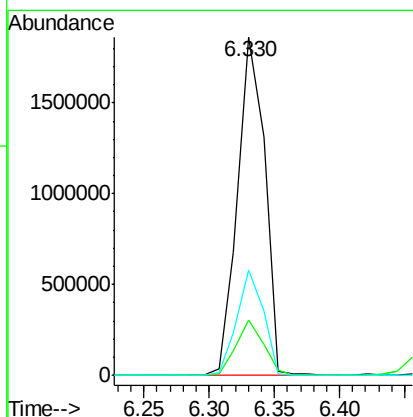
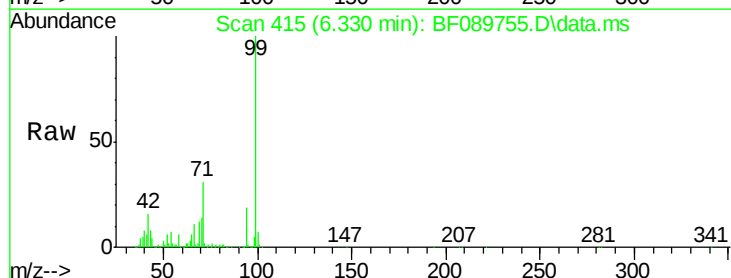
Tgt Ion: 99 Resp: 2693563

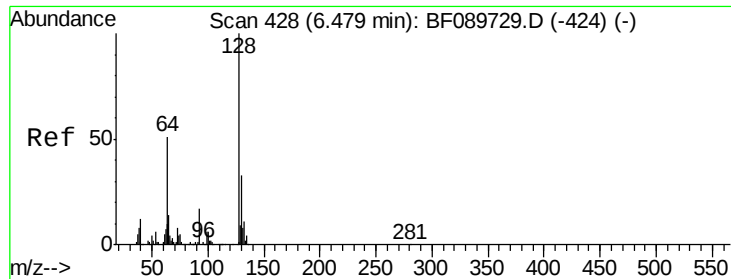
Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.4

71 31.2 23.8 35.8





#8

2-Chlorophenol

Concen: 19.08 ng

RT: 6.479 min Scan# 42

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

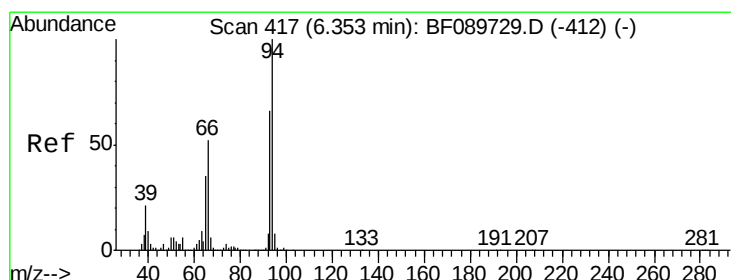
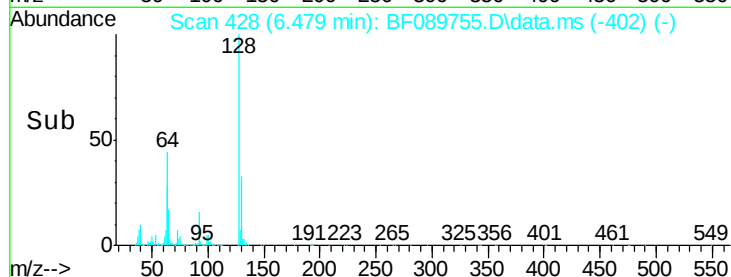
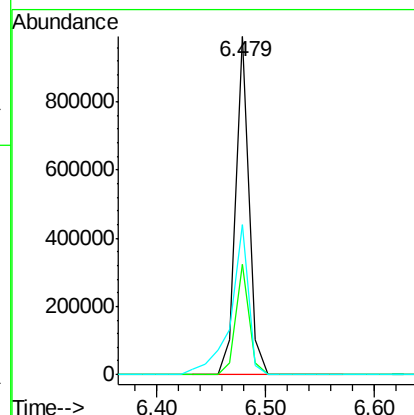
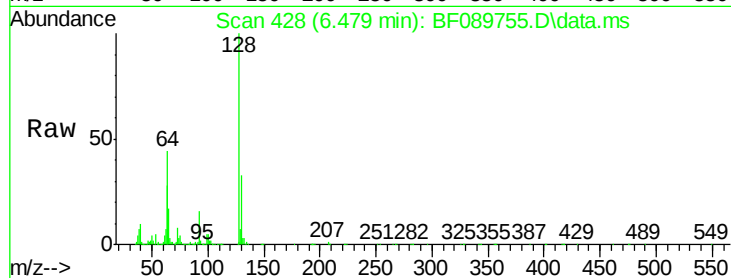
Tot Ion:128 Resp: 822319

Ion Ratio Lower Upper

128 100

130 32.6 12.0 52.0

64 44.4 35.1 75.1



#10

Phenol

Concen: 63.19 ng

RT: 6.353 min Scan# 417

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

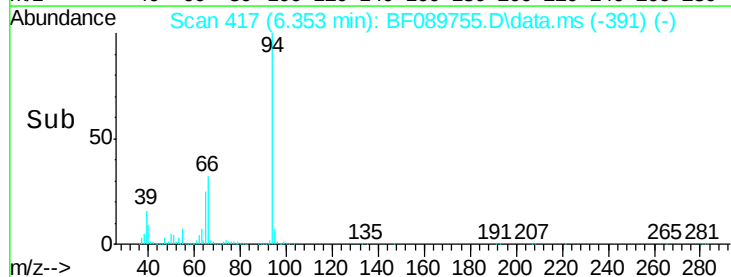
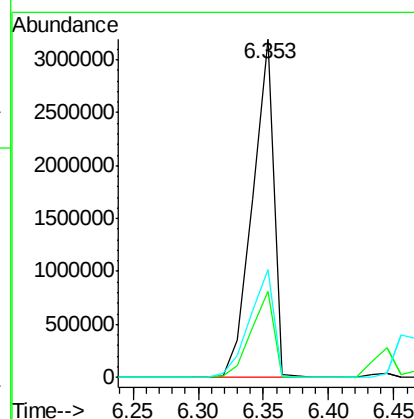
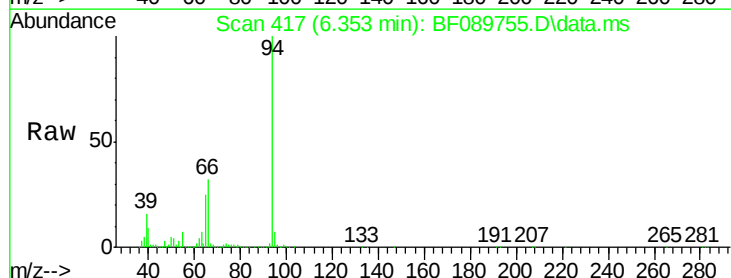
Tgt Ion: 94 Resp: 3624480

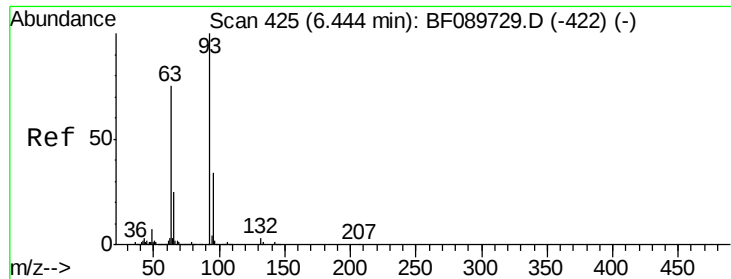
Ion Ratio Lower Upper

94 100

65 25.3 14.0 54.0

66 31.9 31.2 71.2

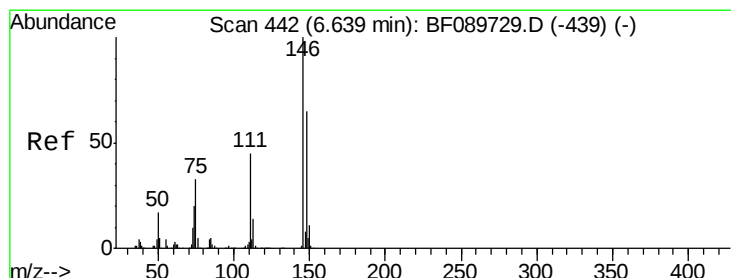
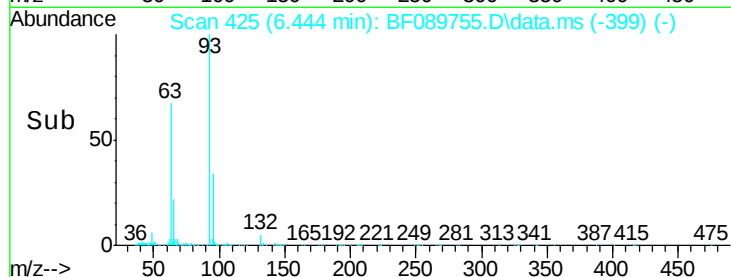
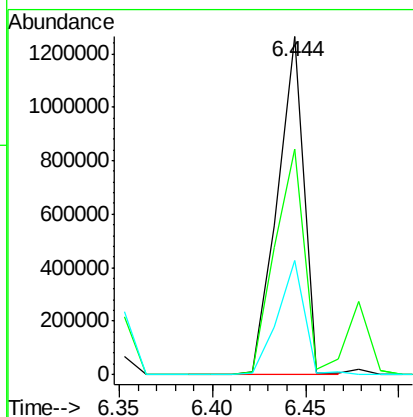
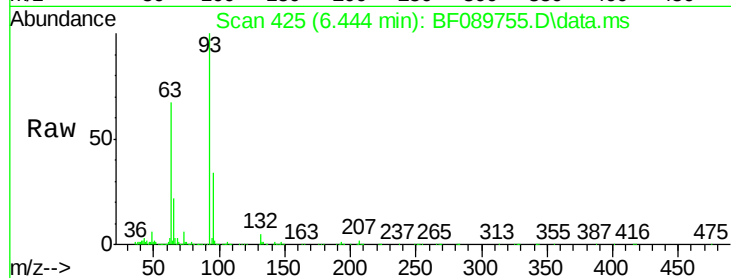




#11
bis(2-Chloroethyl)ether
Concen: 29.66 ng
RT: 6.444 min Scan# 425
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

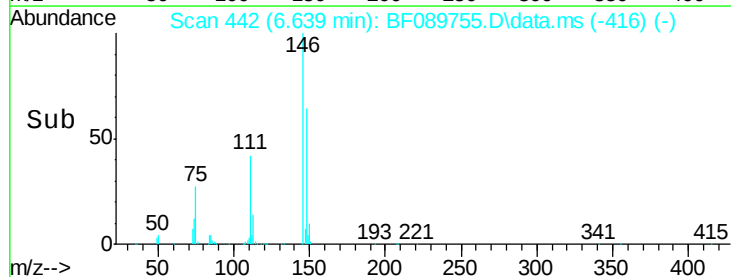
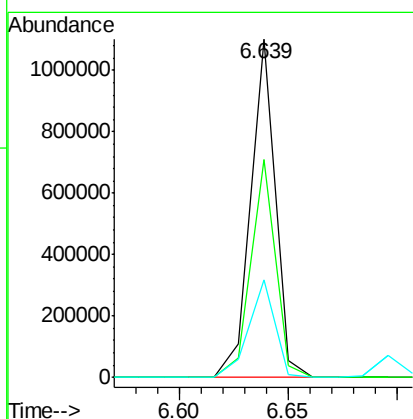
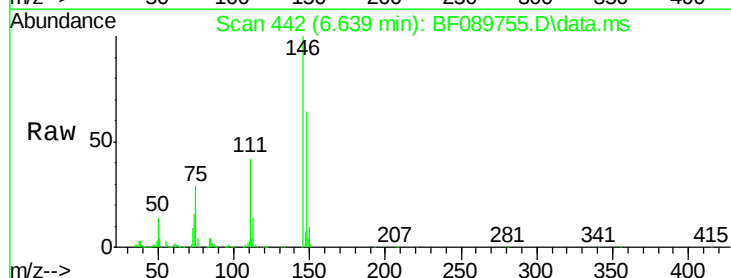
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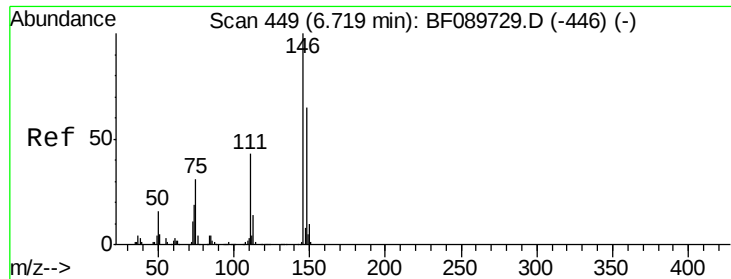
Tot Ion: 93 Resp: 1260477
Ion Ratio Lower Upper
93 100
63 66.9 55.8 95.8
95 33.6 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 18.83 ng
RT: 6.639 min Scan# 442
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion: 146 Resp: 867353
Ion Ratio Lower Upper
146 100
148 64.5 51.0 76.4
75 28.7 27.0 40.6

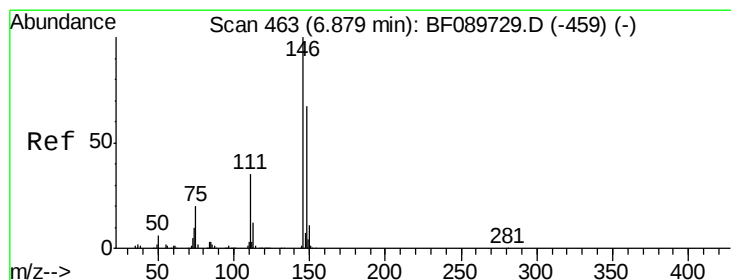
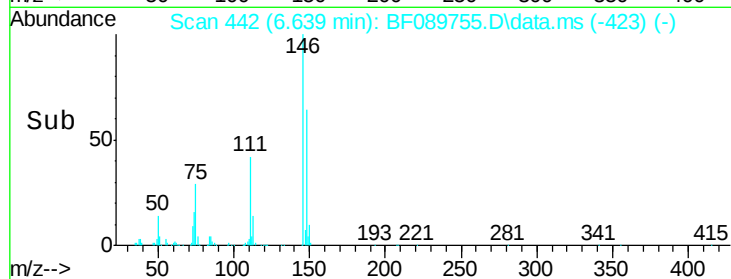
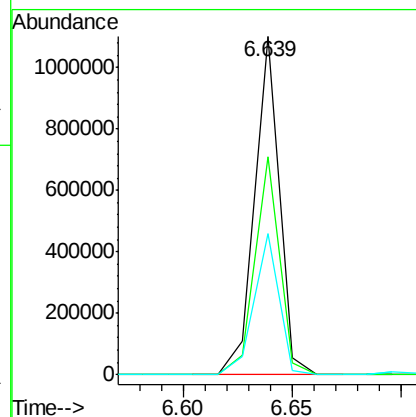
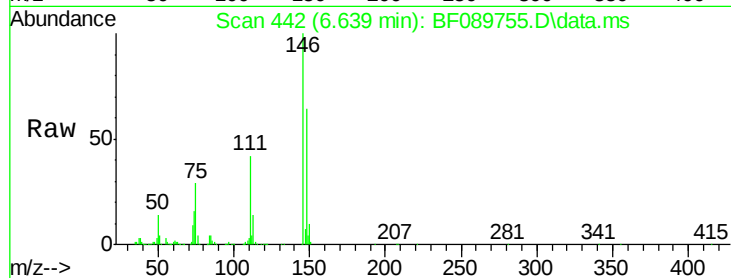




#13
 1,4-Dichlorobenzene
 Concen: 18.59 ng
 RT: 6.639 min Scan# 44
 Delta R.T. -0.080 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

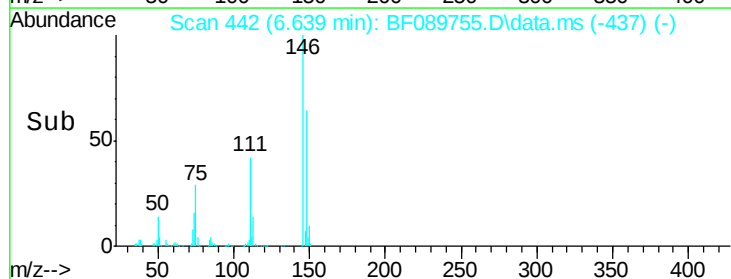
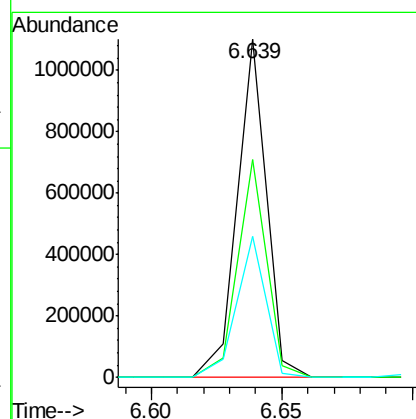
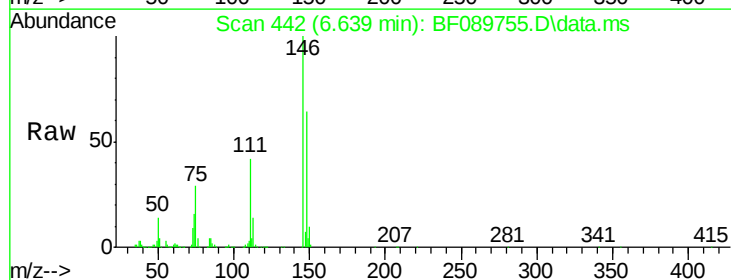
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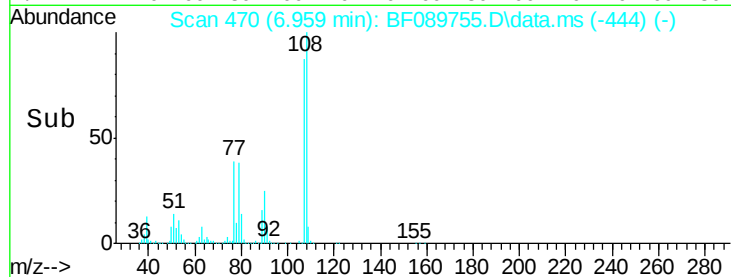
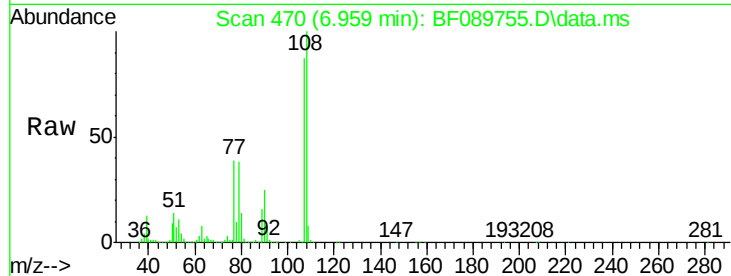
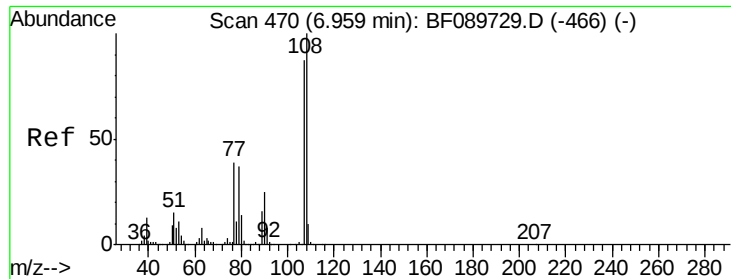
Tot Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
111	41.6	34.6	52.0



#14
 1,2-Dichlorobenzene
 Concen: 19.49 ng
 RT: 6.639 min Scan# 442
 Delta R.T. -0.240 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.2
111	41.6	29.8	44.6





#17

2-Methylphenol

Concen: 51.84 ng

RT: 6.959 min Scan# 470

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

Tot Ion:107 Resp: 1775084

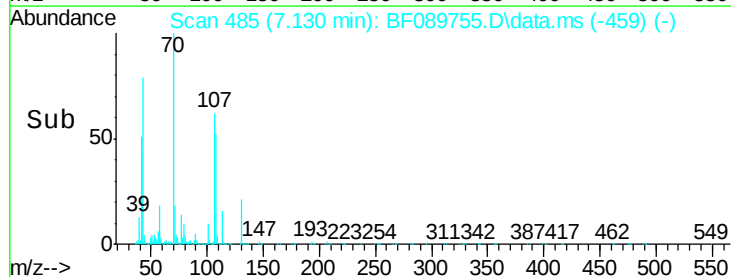
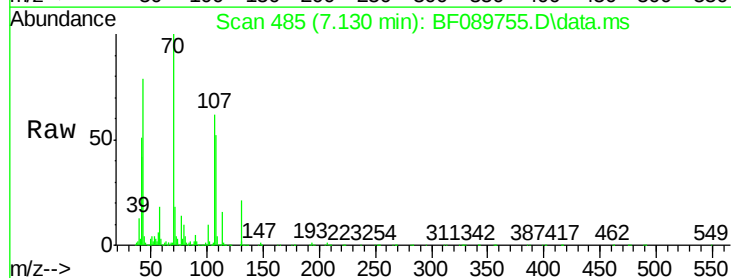
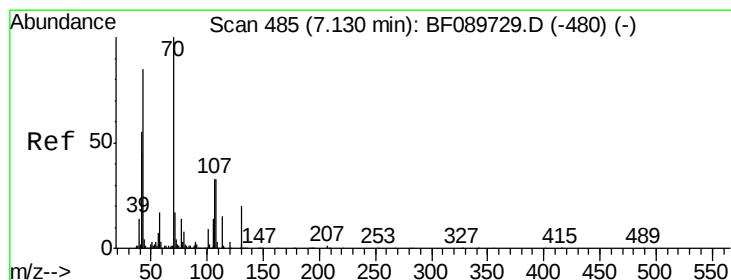
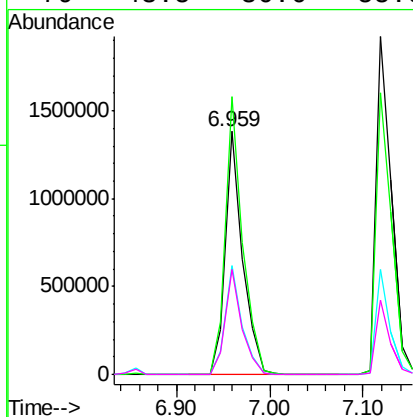
Ion Ratio Lower Upper

107 100

108 114.5 91.0 136.4

77 44.7 37.4 56.0

79 43.5 36.6 55.0



#19

n-Nitroso-di-n-propylamine

Concen: 109.13 ng

RT: 7.130 min Scan# 485

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Tgt Ion: 70 Resp: 3293633

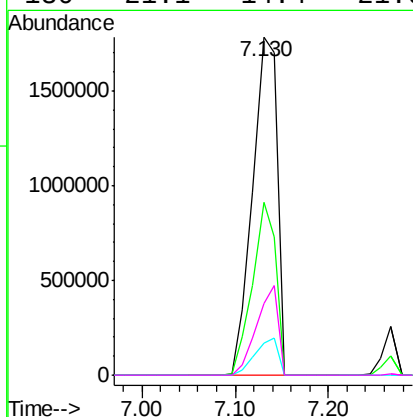
Ion Ratio Lower Upper

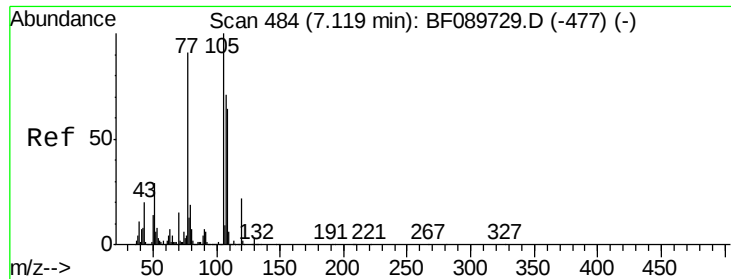
70 100

42 51.1 46.3 69.5

101 9.7 7.0 10.6

130 21.1 14.4 21.6





#20

3+4-Methylphenols

Concen: 51.39 ng

RT: 7.119 min Scan# 48

Delta R.T. 0.001 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

Tot Ion:107 Resp: 2253260

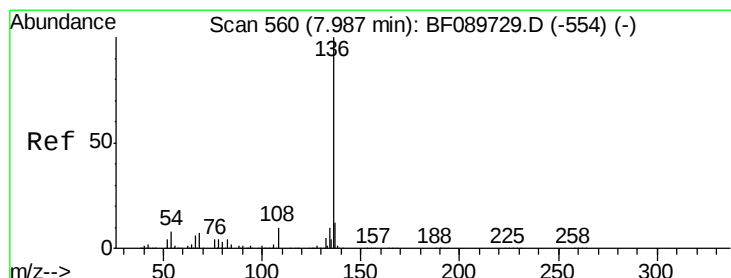
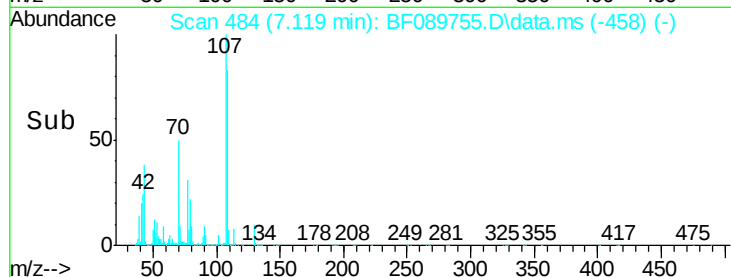
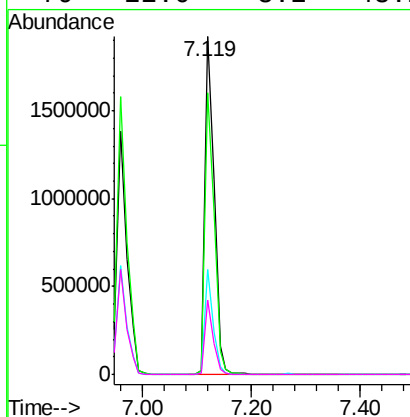
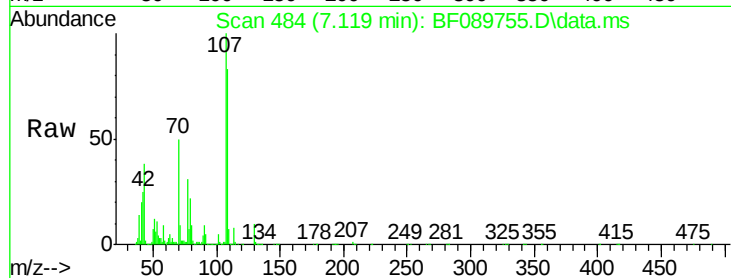
Ion Ratio Lower Upper

107 100

108 83.2 68.2 108.2

77 31.1 122.3 162.3#

79 22.0 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: BF089755.D

Acq: 17 Aug 2016 10:52

Tgt Ion:136 Resp: 2504353

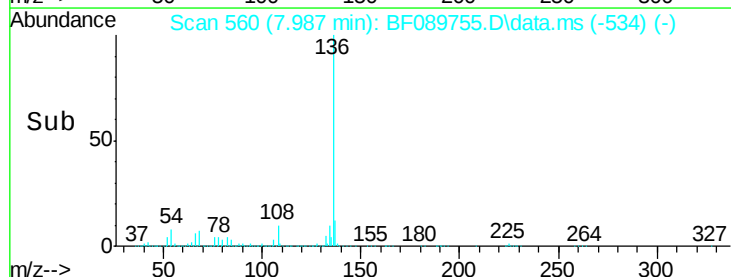
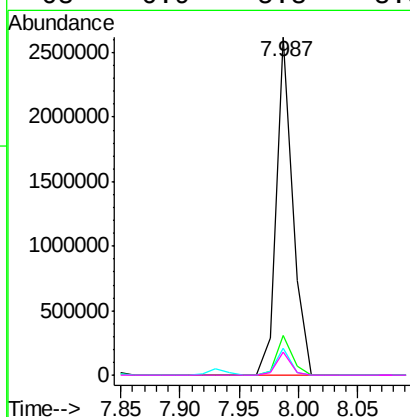
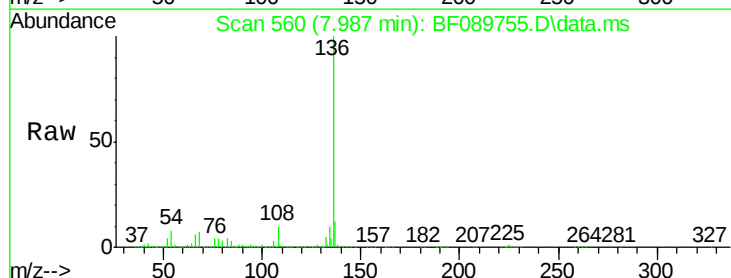
Ion Ratio Lower Upper

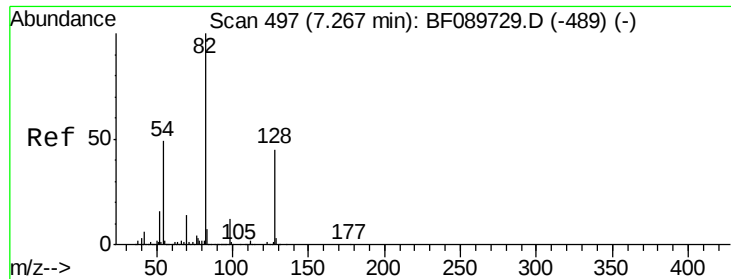
136 100

137 12.0 9.2 13.8

54 8.1 7.2 10.8

68 6.9 5.8 8.8

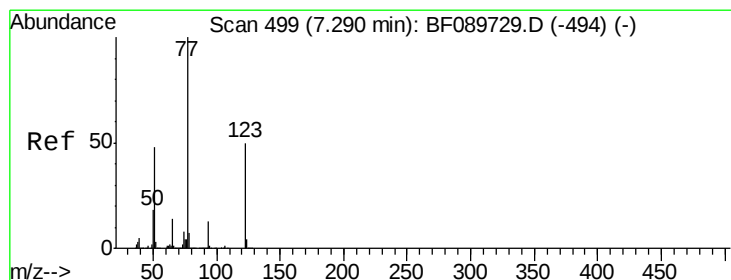
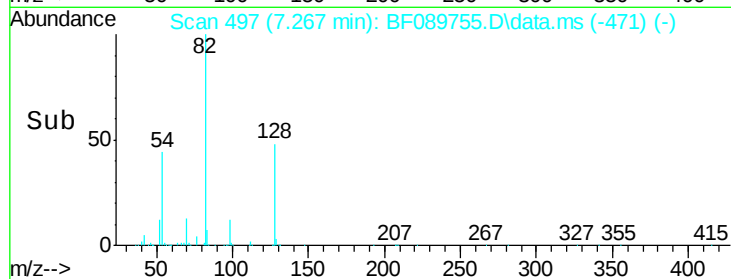
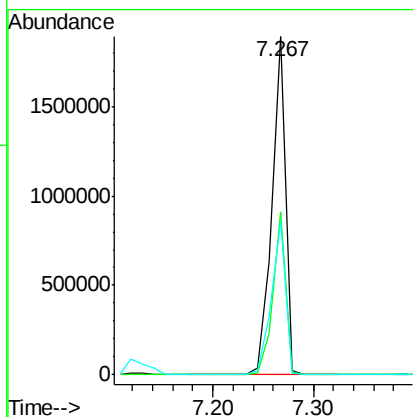
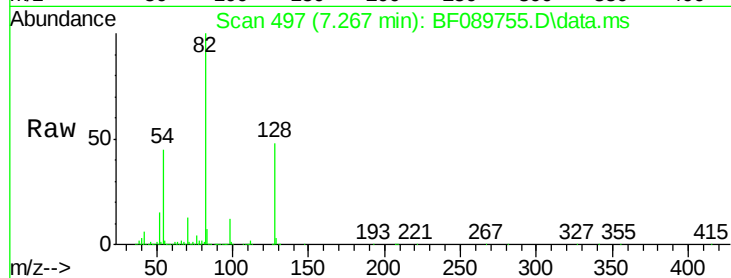




#23
 Nitrobenzene-d5
 Concen: 43.24 ng
 RT: 7.267 min Scan# 49
 Delta R.T. 0.000 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

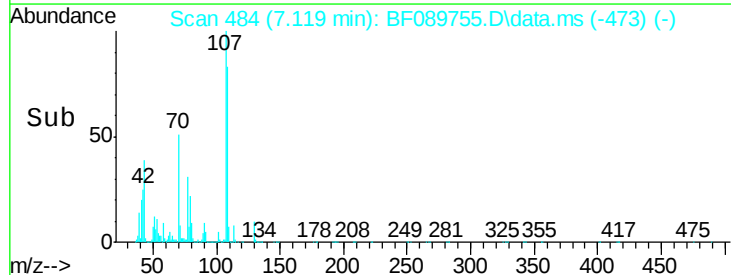
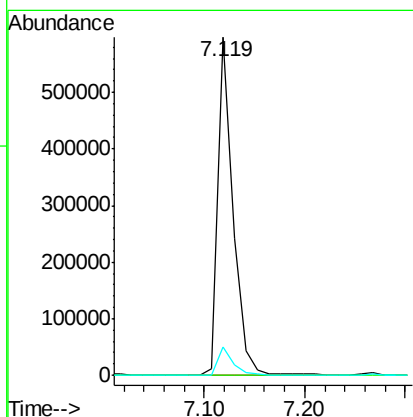
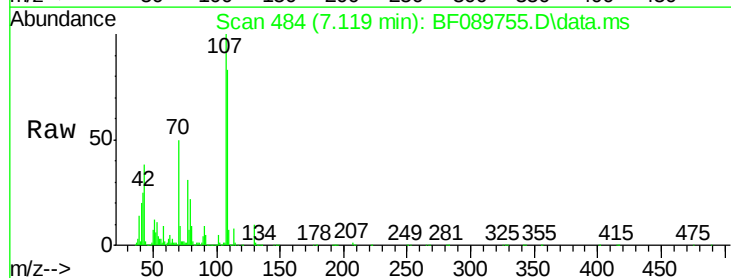
Instrument :
 BNA_F
 ClientSampleId :
 9524

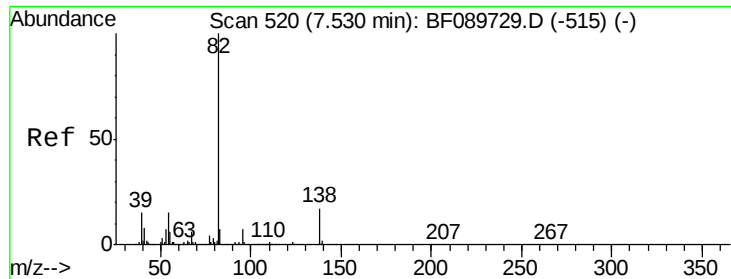
Tot Ion: 82 Resp: 1773488
 Ion Ratio Lower Upper
 82 100
 128 48.3 34.4 51.6
 54 45.4 40.3 60.5



#24
 Nitrobenzene
 Concen: 13.48 ng
 RT: 7.119 min Scan# 484
 Delta R.T. -0.171 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion: 77 Resp: 621781
 Ion Ratio Lower Upper
 77 100
 123 0.0 36.2 54.2#
 65 8.5 10.6 15.8#





#25

Isophorone

Concen: 82.21 ng

RT: 7.542 min Scan# 52

Delta R.T. 0.011 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

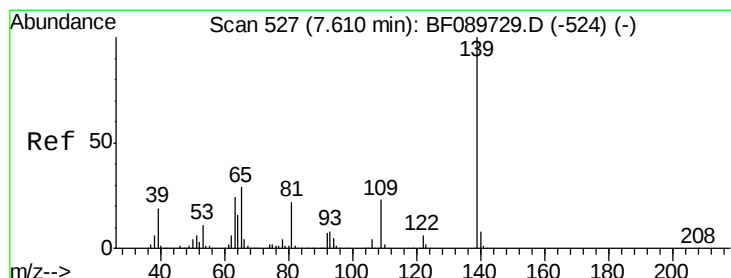
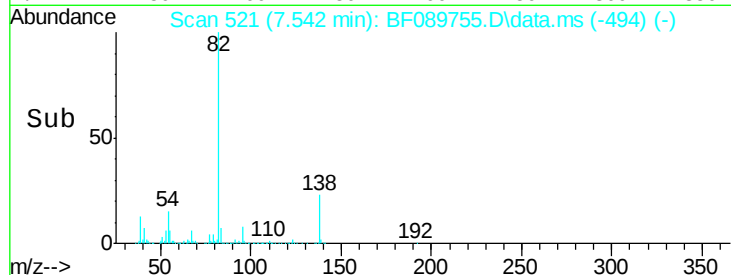
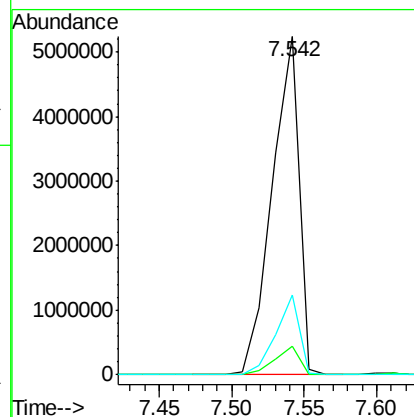
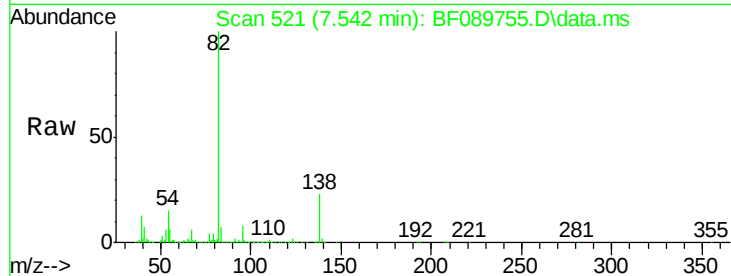
Tot Ion: 82 Resp: 6746555

Ion Ratio Lower Upper

82 100

95 8.4 5.3 7.9#

138 23.4 13.0 19.4#



#26

2-Nitrophenol

Concen: 74.36 ng

RT: 7.610 min Scan# 527

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

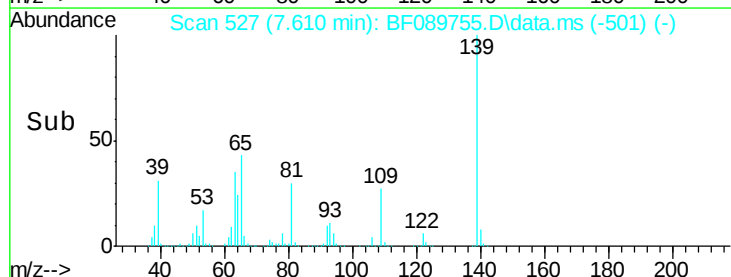
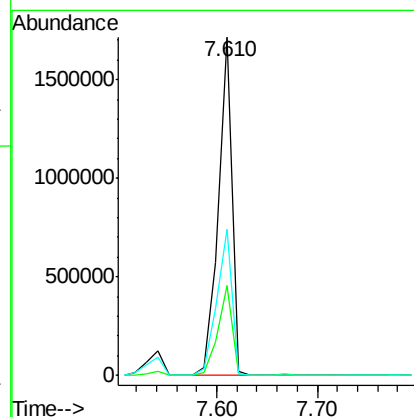
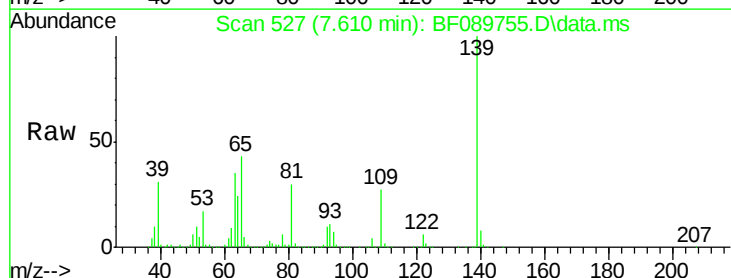
Tgt Ion: 139 Resp: 1614231

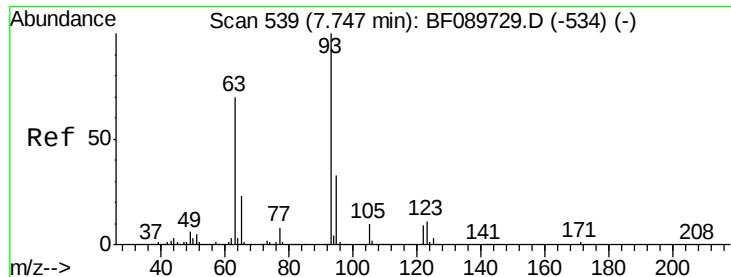
Ion Ratio Lower Upper

139 100

109 26.7 19.5 29.3

65 43.1 26.5 39.7#





#28

bis(2-Chloroethoxy)methane

Concen: 3.71 ng

RT: 7.610 min Scan# 52

Delta R.T. -0.137 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

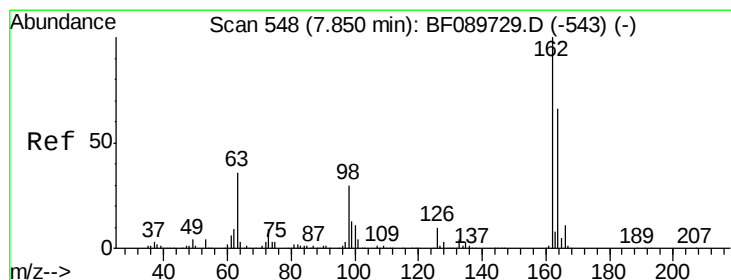
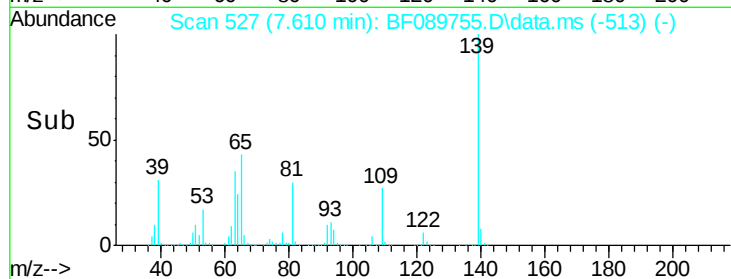
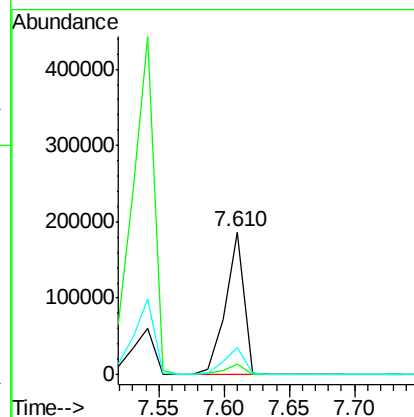
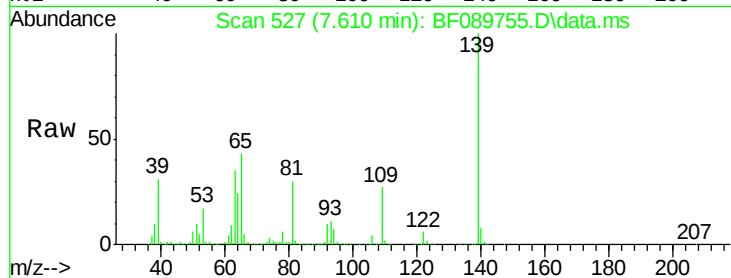
Tot Ion: 93 Resp: 184934

Ion Ratio Lower Upper

93 100

95 7.2 25.5 38.3#

123 18.5 8.5 12.7#



#29

2,4-Dichlorophenol

Concen: 85.19 ng

RT: 7.850 min Scan# 548

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

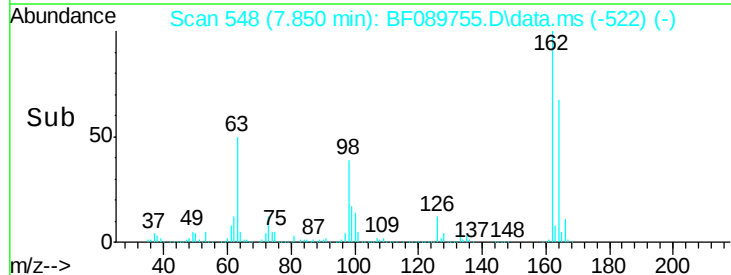
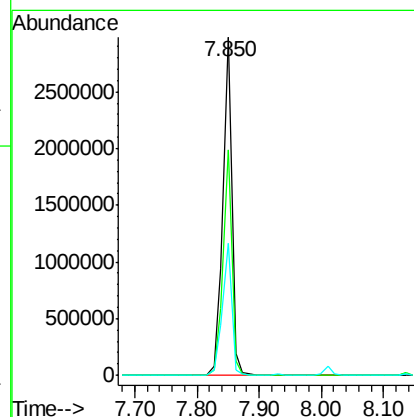
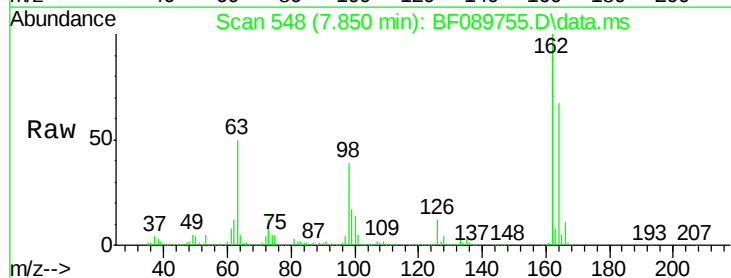
Tgt Ion:162 Resp: 2918191

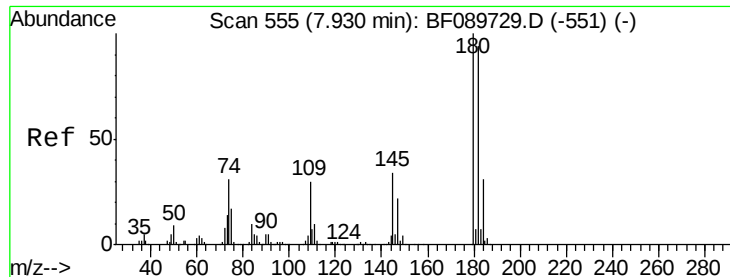
Ion Ratio Lower Upper

162 100

164 66.5 45.5 85.5

98 38.9 12.4 52.4

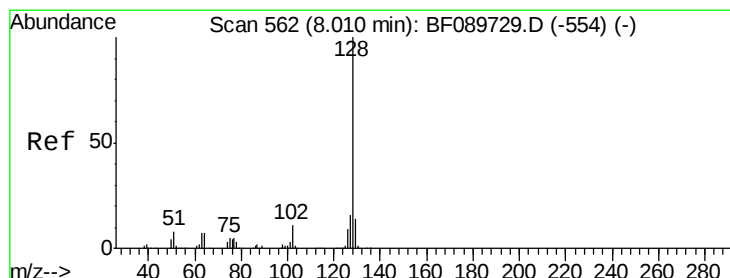
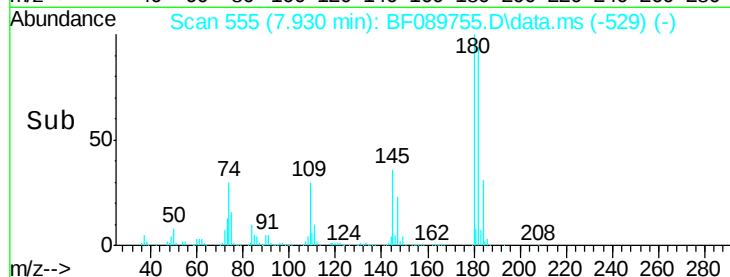
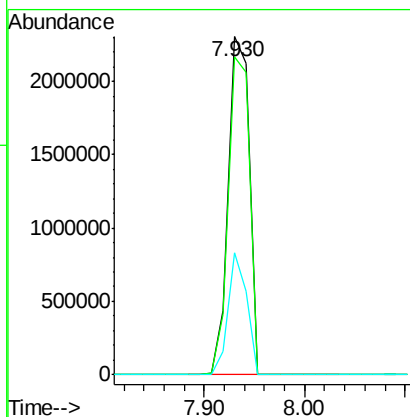
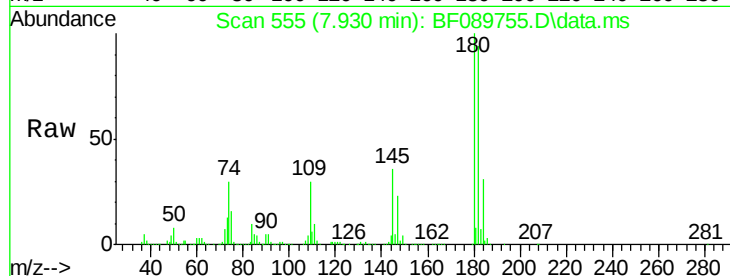




#30
 1,2,4-Trichlorobenzene
 Concen: 90.99 ng
 RT: 7.930 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

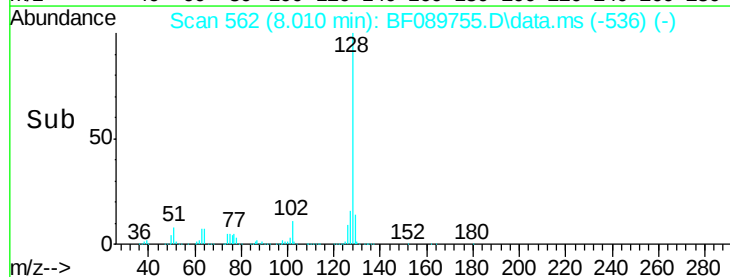
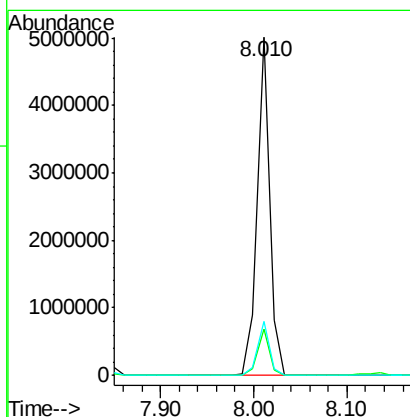
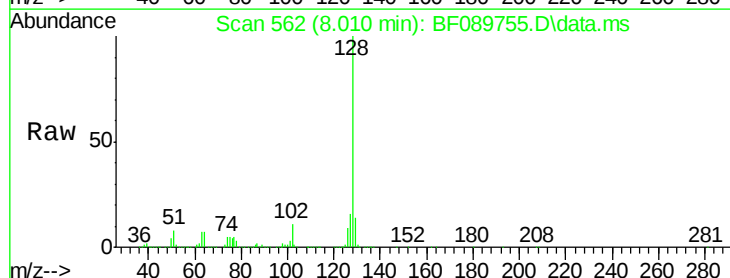
Instrument :
 BNA_F
 ClientSampleId :
 9524

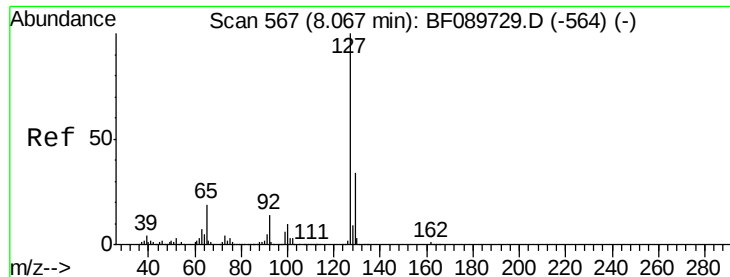
Tot Ion:180 Resp: 3346026
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.5 113.3
 145 35.9 28.7 43.1



#31
 Naphthalene
 Concen: 41.23 ng
 RT: 8.010 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion:128 Resp: 4634973
 Ion Ratio Lower Upper
 128 100
 129 13.7 9.5 14.3
 127 16.0 11.3 16.9

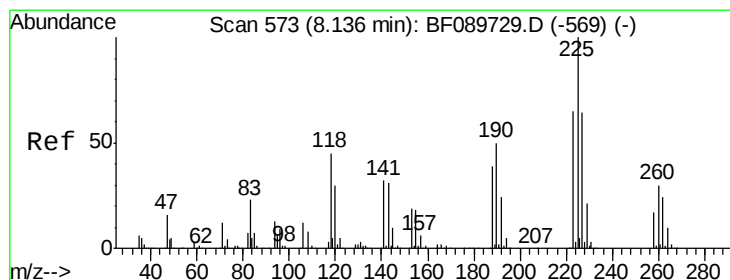
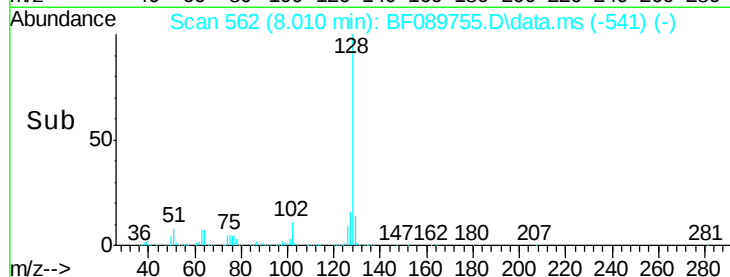
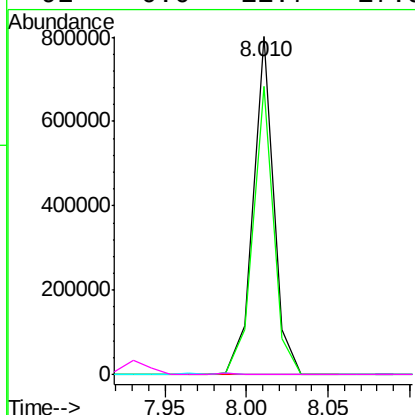
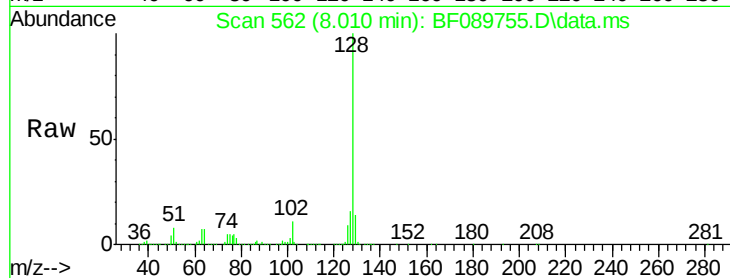




#33
4-Chloroaniline
Concen: 13.54 ng
RT: 8.010 min Scan# 56
Delta R.T. -0.057 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

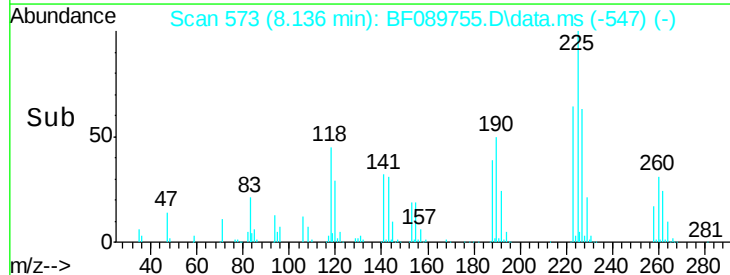
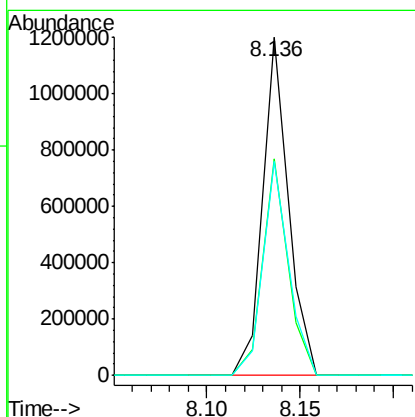
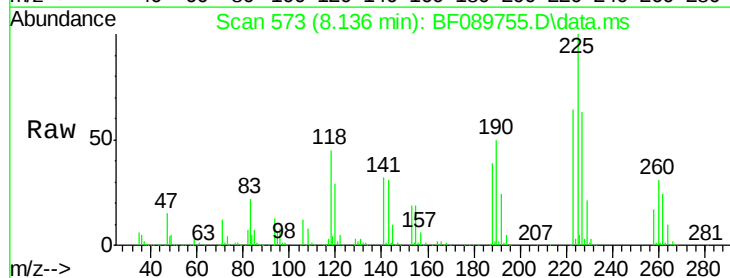
Instrument :
BNA_F
ClientSampleId :
9524

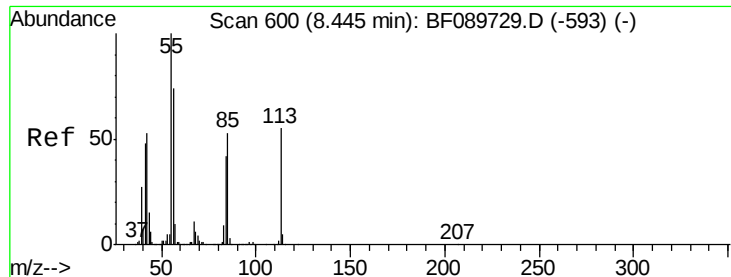
Tot Ion	Ratio	Lower	Upper
127	100		
129	85.3	27.0	40.6#
65	0.0	14.7	22.1#
92	0.0	11.7	17.5#



#34
Hexachlorobutadiene
Concen: 58.95 ng
RT: 8.136 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.0	76.6
227	63.1	49.8	74.6

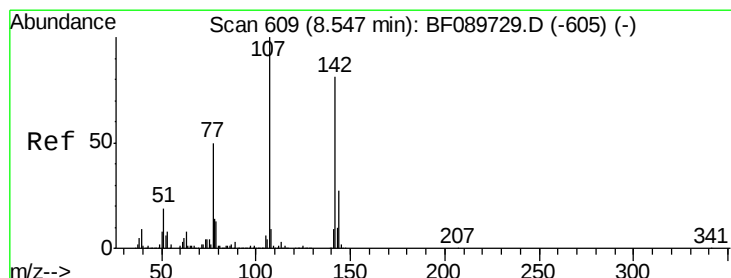
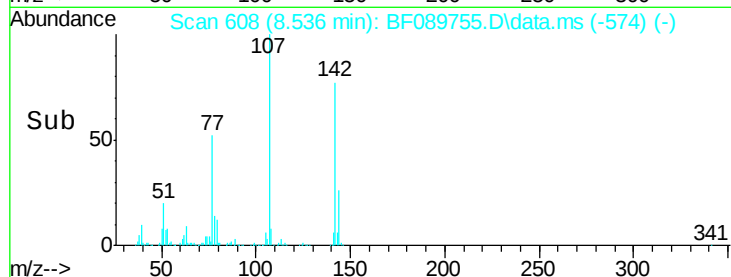
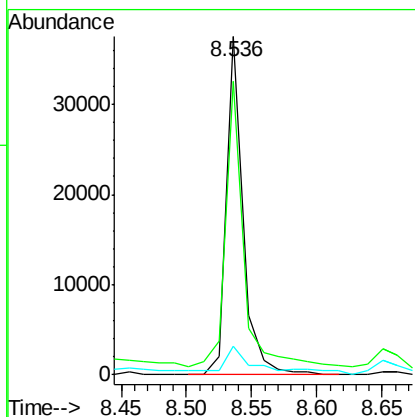
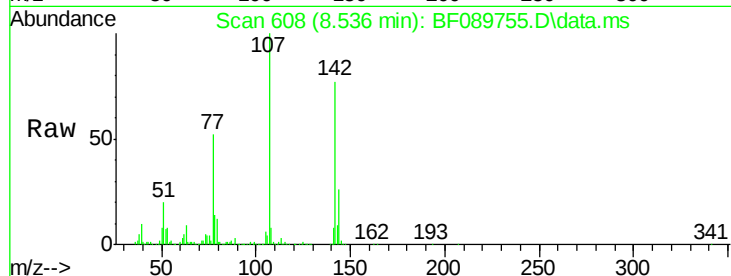




#35
 Caprolactam
 Concen: 3.17 ng
 RT: 8.536 min Scan# 608
 Delta R.T. 0.091 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

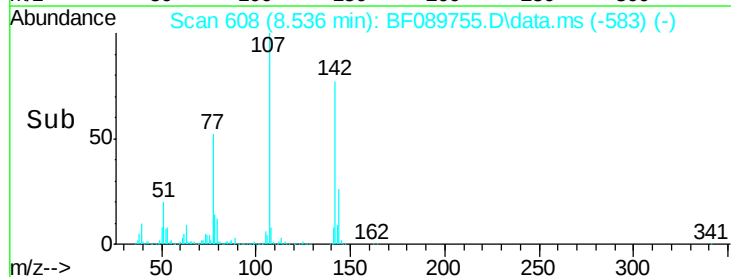
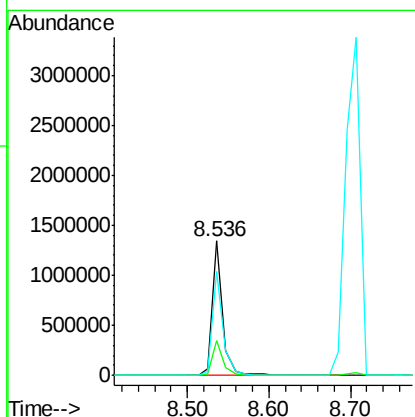
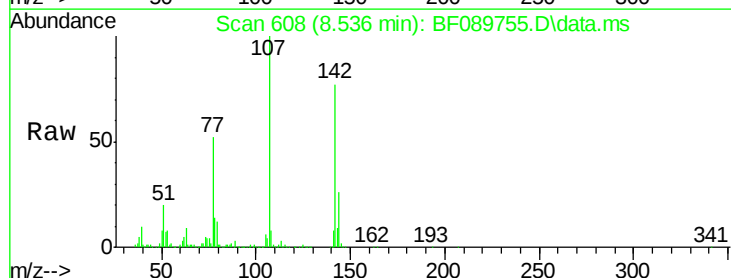
Instrument :
 BNA_F
 ClientSampleId :
 9524

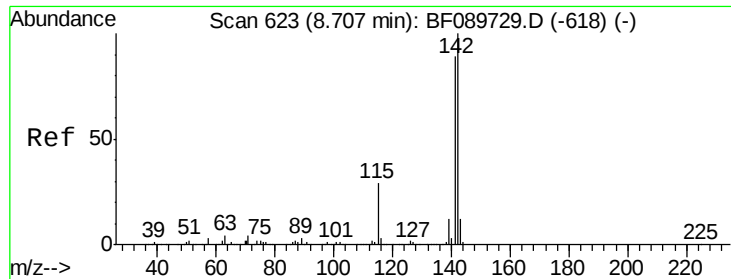
Tot Ion:113 Resp: 33518
 Ion Ratio Lower Upper
 113 100
 55 86.7 135.9 175.9#
 56 8.2 93.9 133.9#



#36
 4-Chloro-3-methylphenol
 Concen: 32.25 ng
 RT: 8.536 min Scan# 608
 Delta R.T. -0.011 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion:107 Resp: 1202665
 Ion Ratio Lower Upper
 107 100
 144 25.6 22.6 34.0
 142 77.4 69.3 103.9

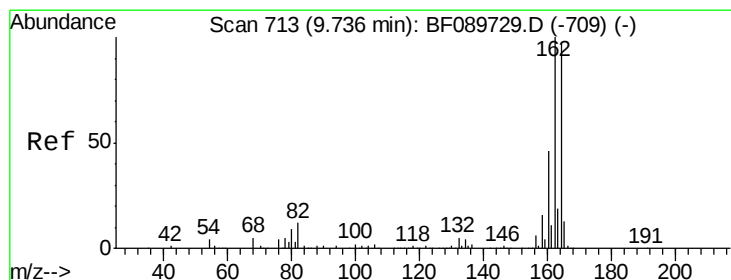
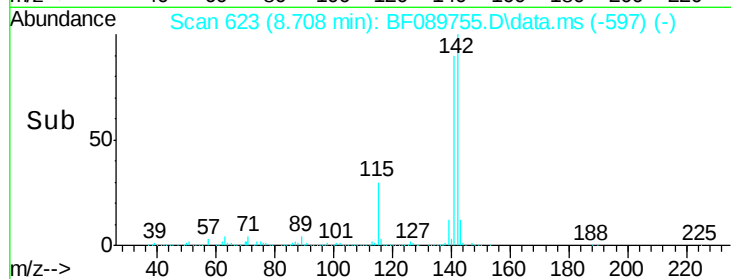
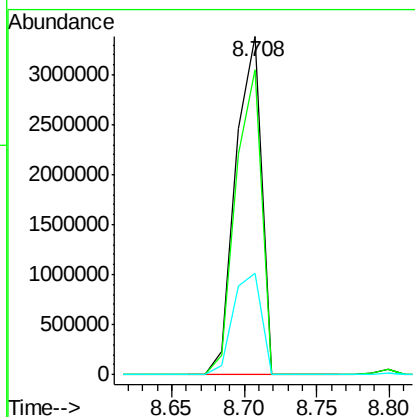
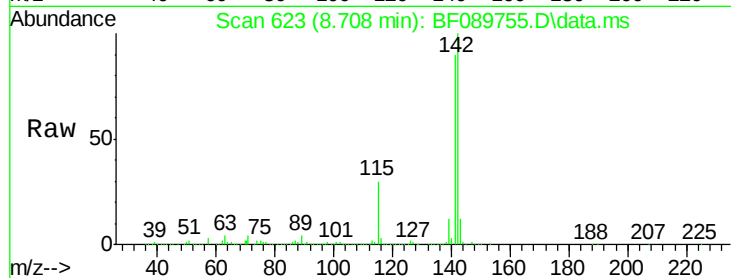




#37
2-Methylnaphthalene
Concen: 54.55 ng
RT: 8.708 min Scan# 62
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

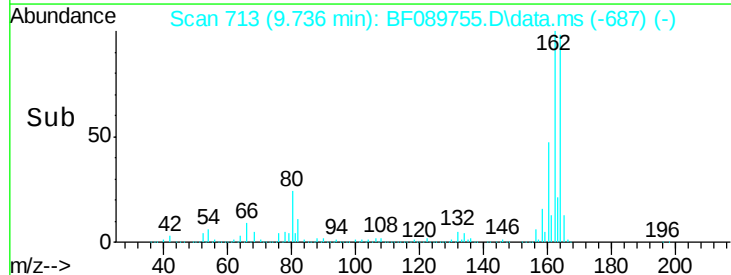
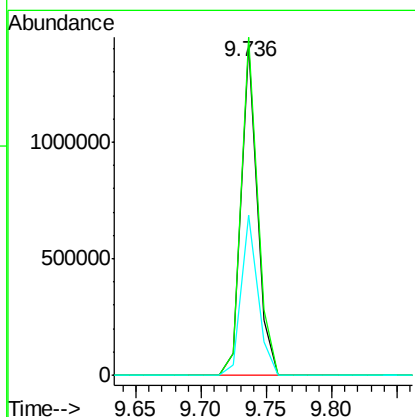
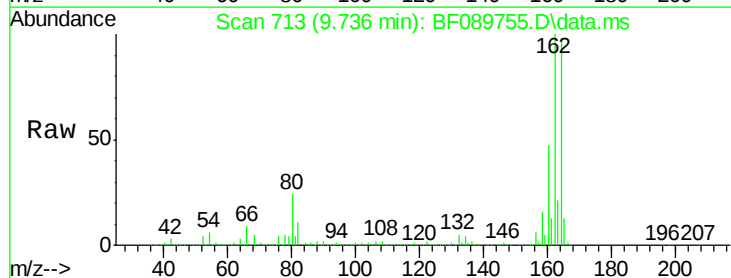
Instrument :
BNA_F
ClientSampleId :
9524

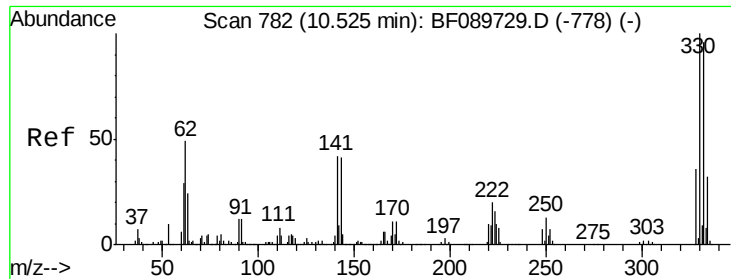
Tot Ion:142 Resp: 4173737
Ion Ratio Lower Upper
142 100
141 90.1 71.4 107.2
115 30.1 22.7 34.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.736 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:164 Resp: 1199090
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.2
160 48.3 37.8 56.6

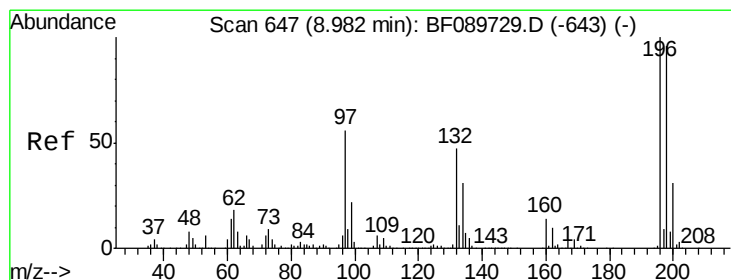
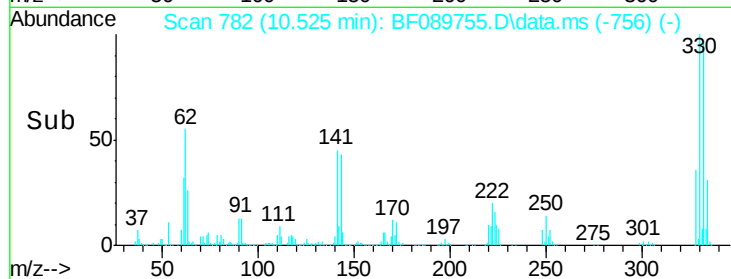
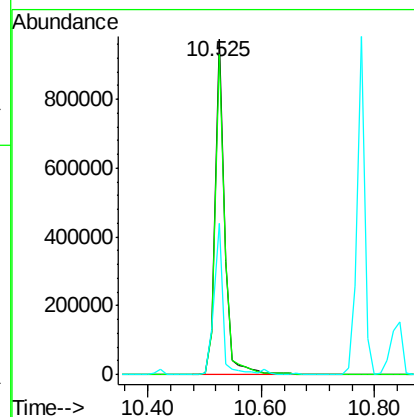
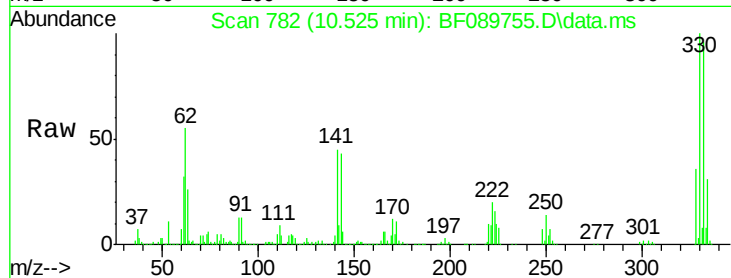




#41
 2,4,6-Tribromophenol
 Concen: 93.25 ng
 RT: 10.525 min Scan# 781
 Delta R.T. 0.000 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

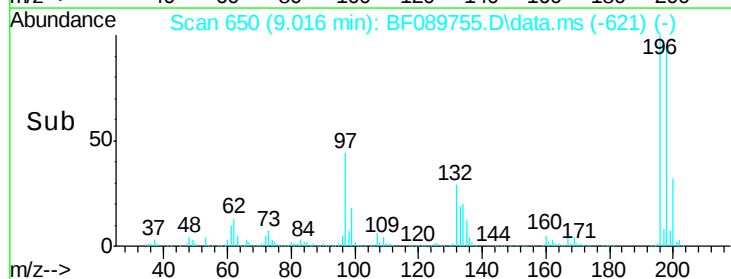
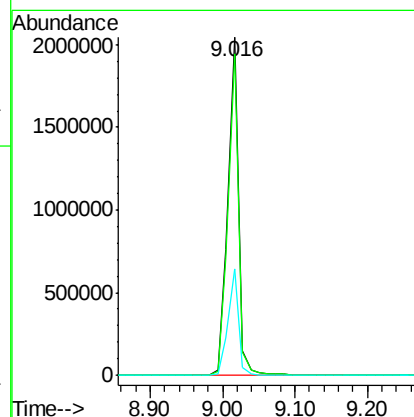
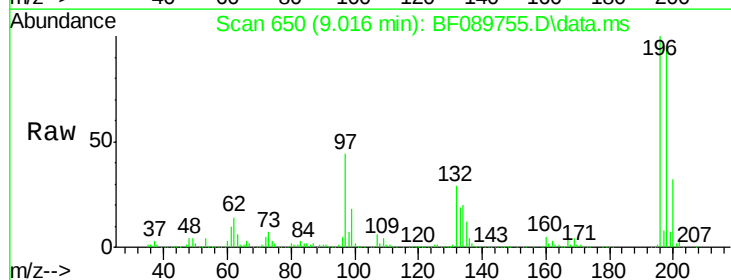
Instrument :
 BNA_F
 ClientSampleId :
 9524

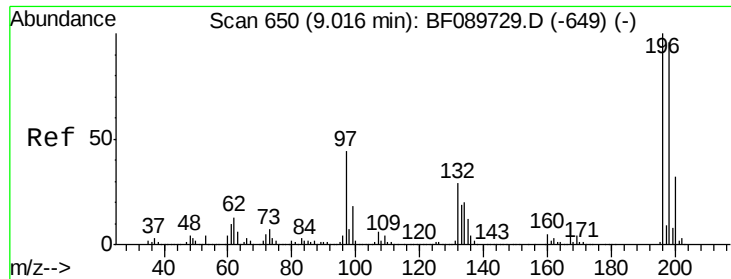
Tot Ion:330 Resp: 1081731
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.7 115.1
 141 40.9 30.2 45.2



#42
 2,4,6-Trichlorophenol
 Concen: 84.63 ng
 RT: 9.016 min Scan# 650
 Delta R.T. 0.034 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion:196 Resp: 2107509
 Ion Ratio Lower Upper
 196 100
 198 95.0 76.3 114.5
 200 31.6 24.6 36.8

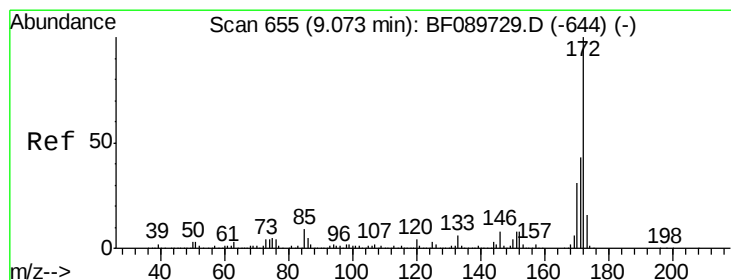
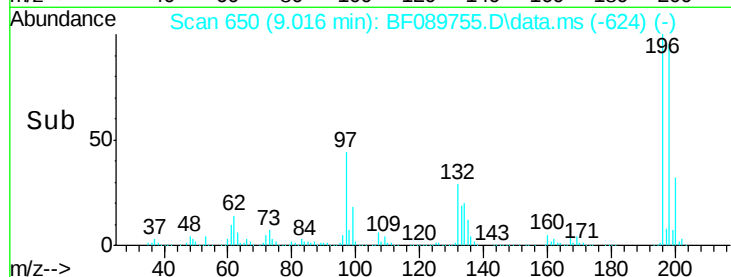
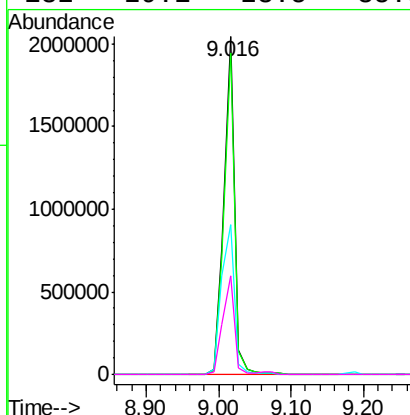
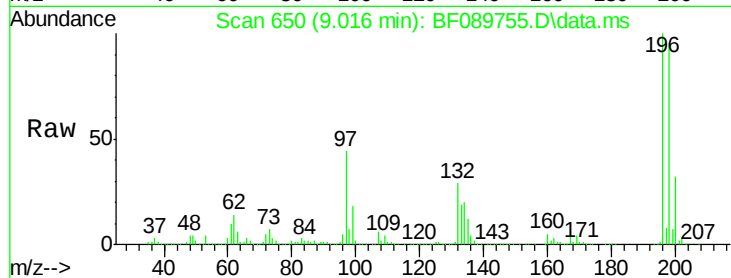




#43
2,4,5-Trichlorophenol
Concen: 88.76 ng
RT: 9.016 min Scan# 650
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

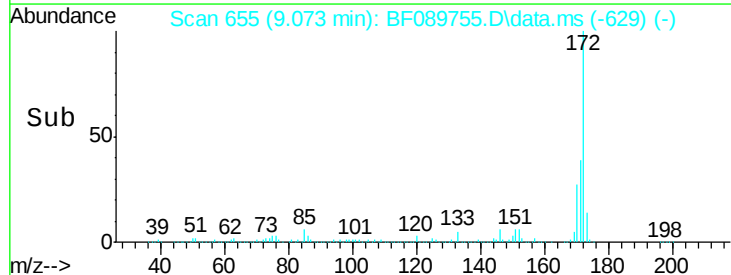
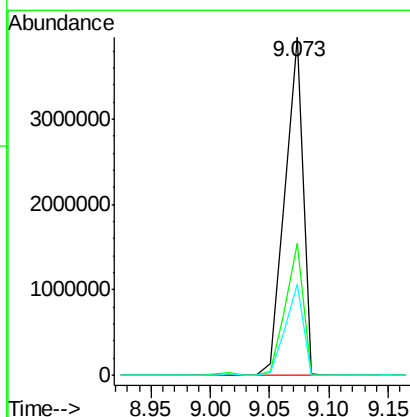
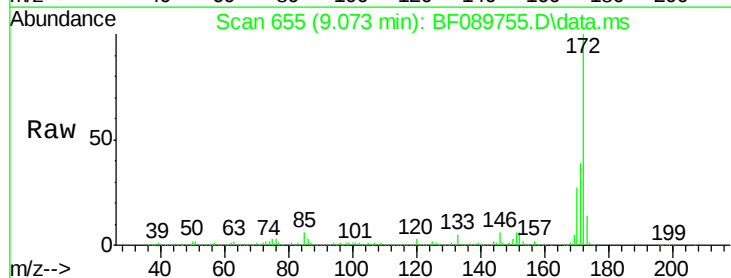
Instrument :
BNA_F
ClientSampleId :
9524

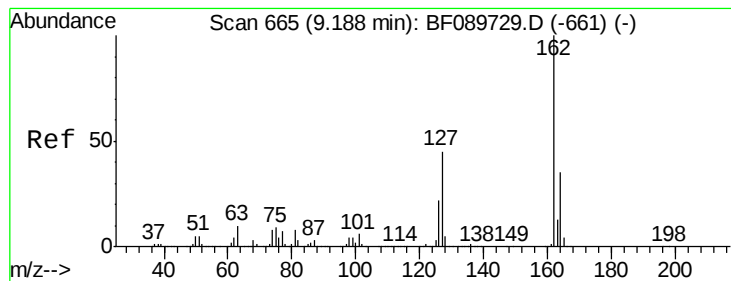
Tot Ion:196 Resp: 2107509
Ion Ratio Lower Upper
196 100
198 95.0 76.6 114.8
97 44.3 35.8 53.8
132 29.1 23.5 35.3



#44
2-Fluorobiphenyl
Concen: 55.39 ng
RT: 9.073 min Scan# 655
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:172 Resp: 4139376
Ion Ratio Lower Upper
172 100
171 39.0 30.5 45.7
170 26.8 20.6 31.0





#46

2-Chloronaphthalene

Concen: 26.10 ng

RT: 9.188 min Scan# 66

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

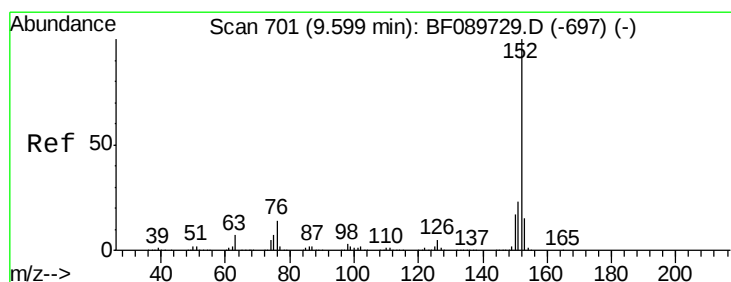
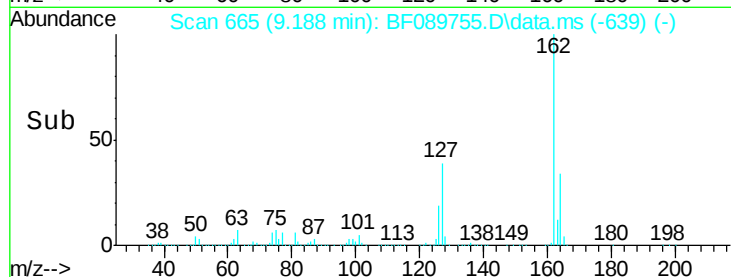
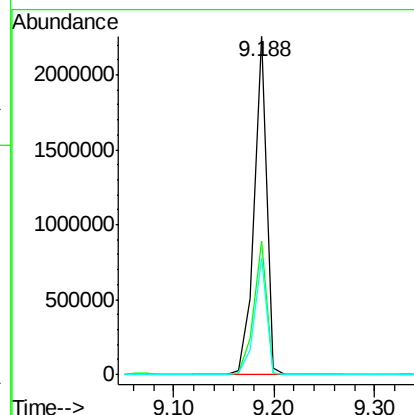
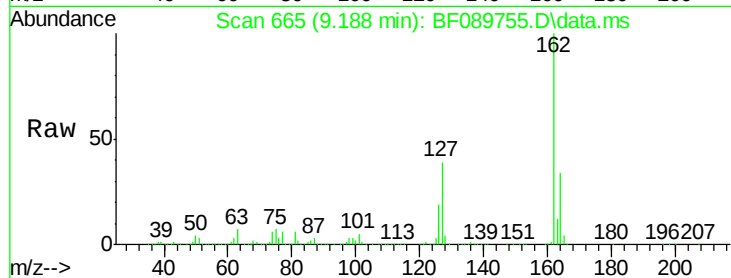
Tot Ion:162 Resp: 1942635

Ion Ratio Lower Upper

162 100

127 39.4 35.5 53.3

164 34.5 26.6 40.0



#48

Acenaphthylene

Concen: 33.98 ng

RT: 9.599 min Scan# 701

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

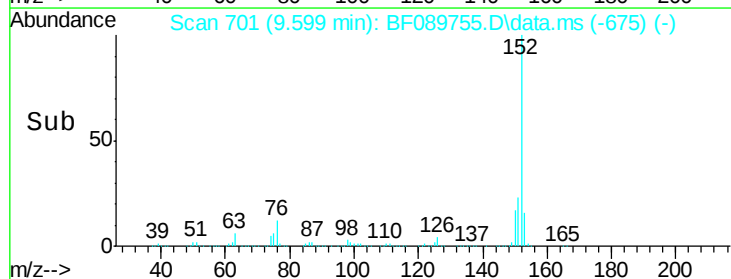
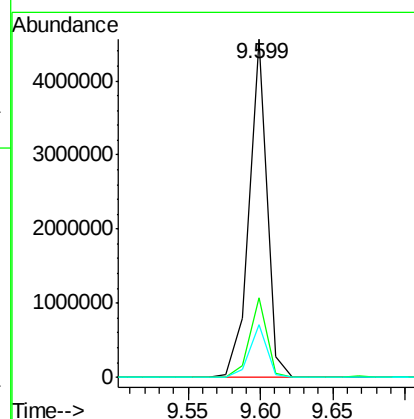
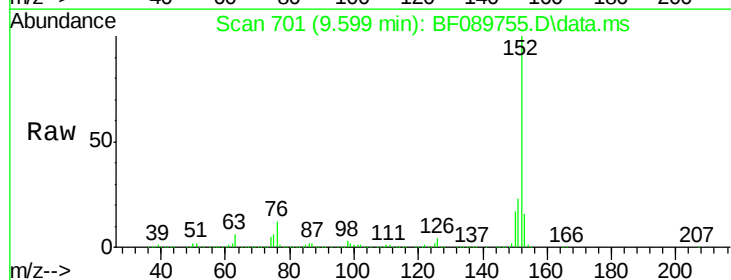
Tgt Ion:152 Resp: 3893167

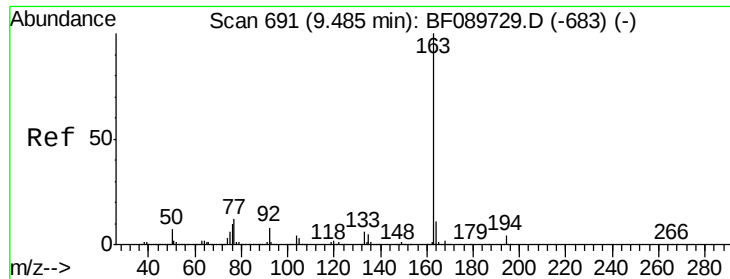
Ion Ratio Lower Upper

152 100

151 23.4 17.1 25.7

153 15.6 11.2 16.8





#49

Dimethylphthalate

Concen: 9.98 ng

RT: 9.473 min Scan# 69

Delta R.T. -0.011 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

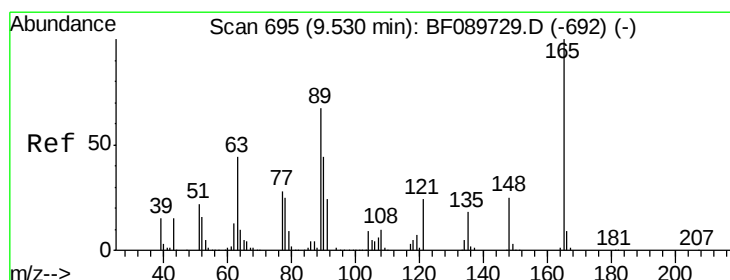
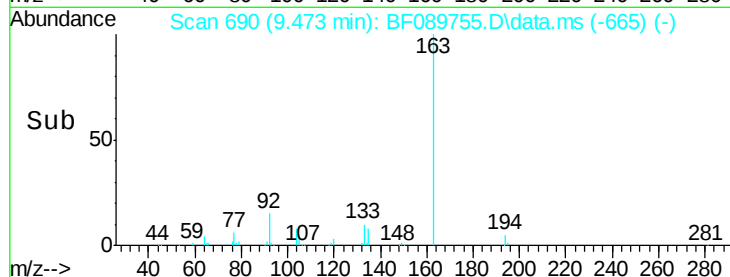
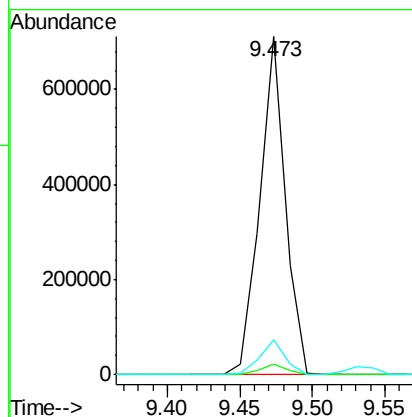
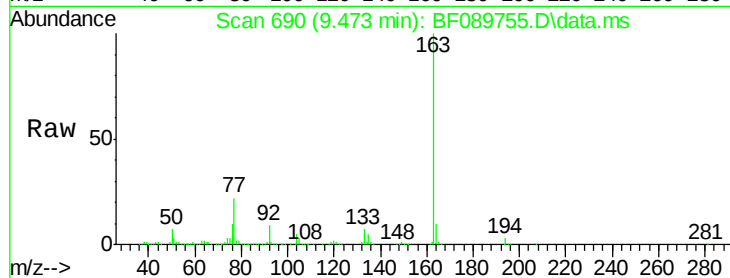
Tot Ion:163 Resp: 865754

Ion Ratio Lower Upper

163 100

194 3.2 2.6 3.8

164 10.2 8.6 12.8



#50

2,6-Dinitrotoluene

Concen: 94.14 ng

RT: 9.530 min Scan# 695

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

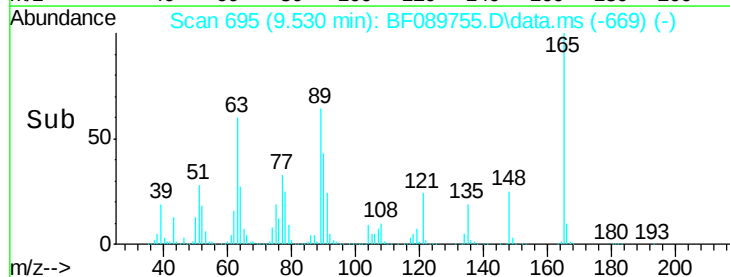
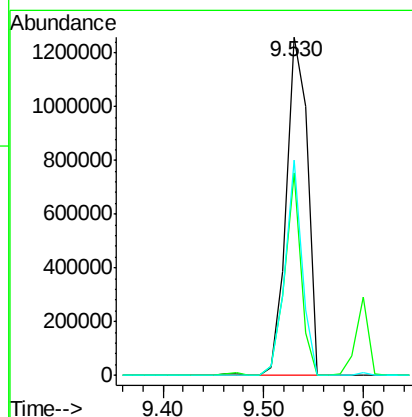
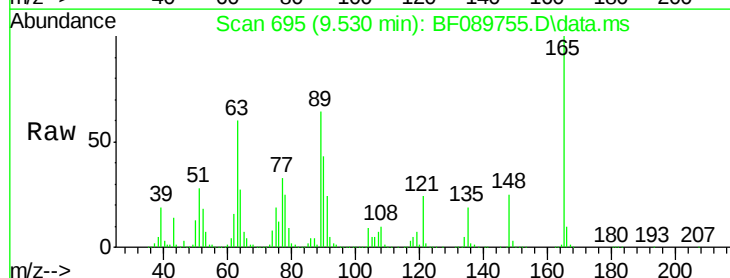
Tgt Ion:165 Resp: 1848634

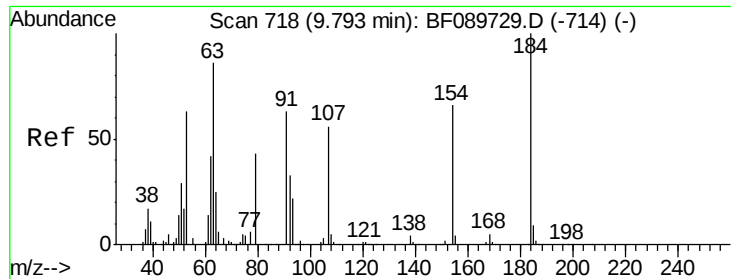
Ion Ratio Lower Upper

165 100

63 60.0 41.7 62.5

89 63.8 44.6 67.0





#53

2,4-Dinitrophenol

Concen: 1.81 ng

RT: 9.931 min Scan# 73

Delta R.T. 0.138 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

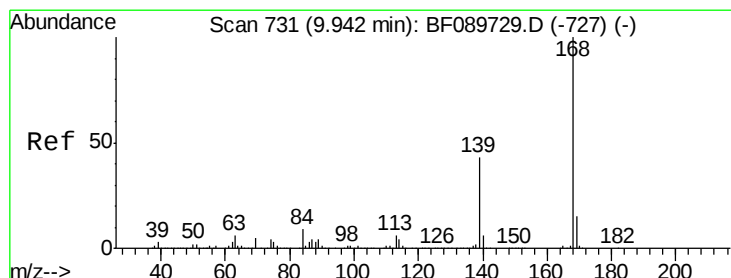
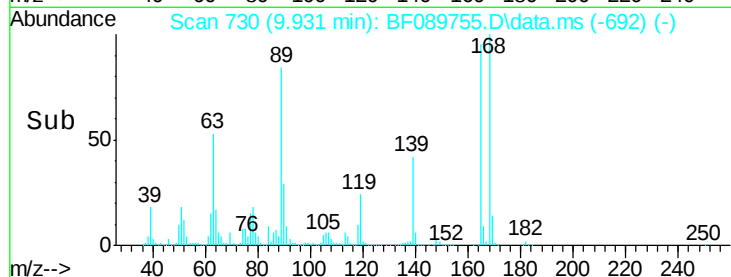
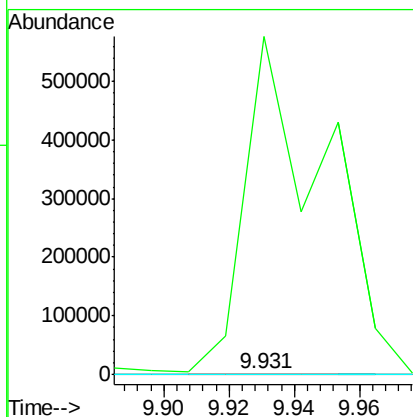
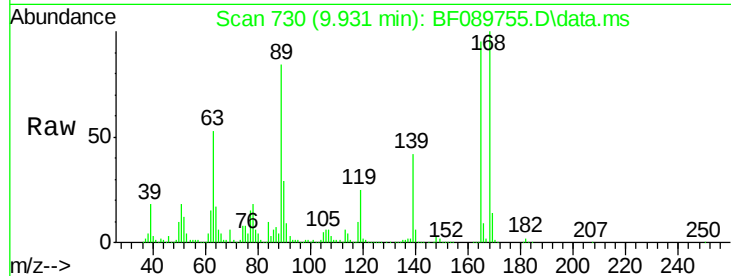
Tot Ion:184 Resp: 248

Ion Ratio Lower Upper

184 100

63 159680.9 54.2 81.4#

154 91.7 52.7 79.1#



#54

Dibenzofuran

Concen: 128.91 ng

RT: 9.953 min Scan# 732

Delta R.T. 0.011 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

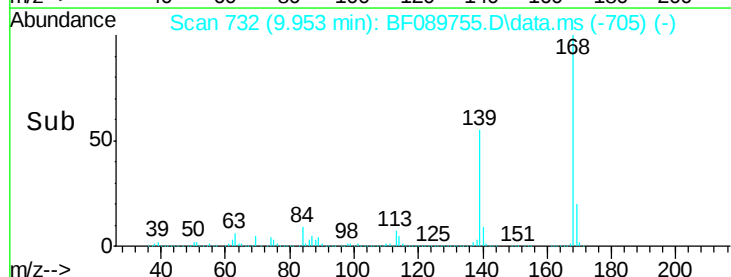
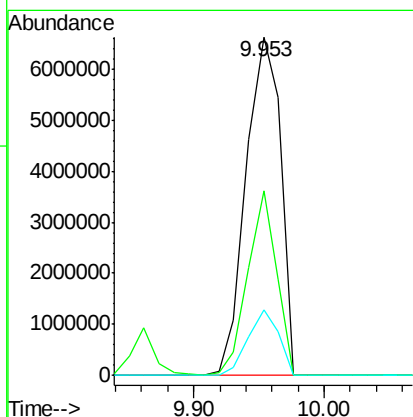
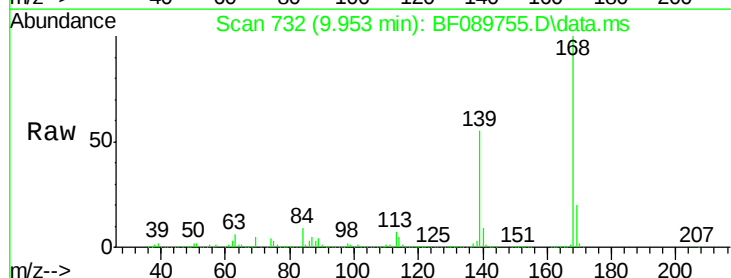
Tgt Ion:168 Resp:12263791

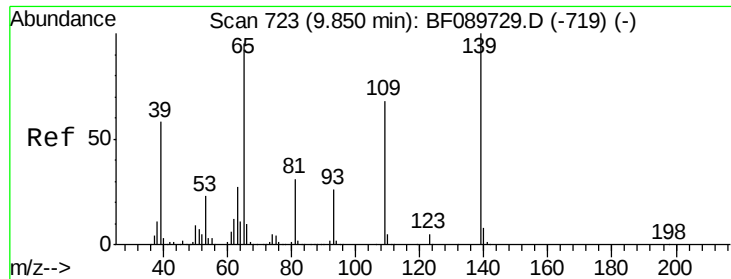
Ion Ratio Lower Upper

168 100

139 54.6 34.6 52.0#

169 19.5 11.5 17.3#

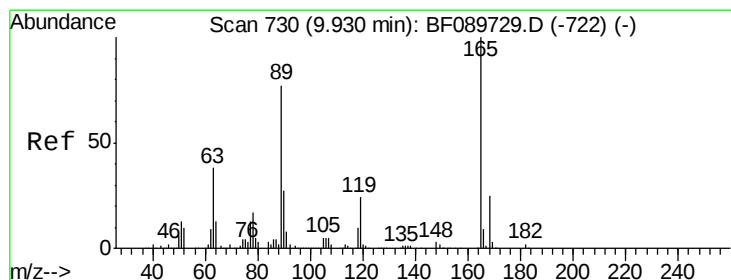
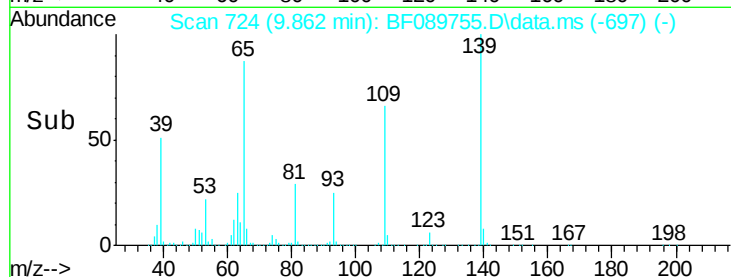
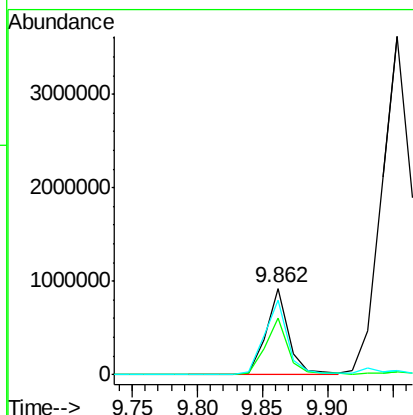
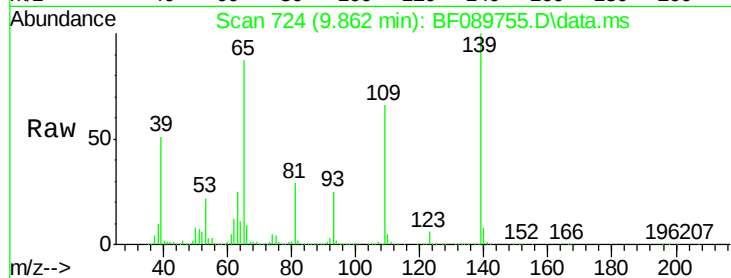




#55
4-Nitrophenol
Concen: 62.99 ng
RT: 9.862 min Scan# 72
Delta R.T. 0.011 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

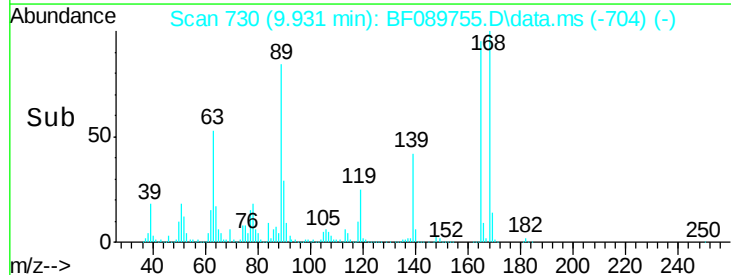
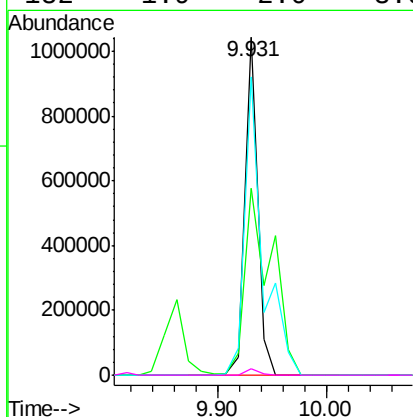
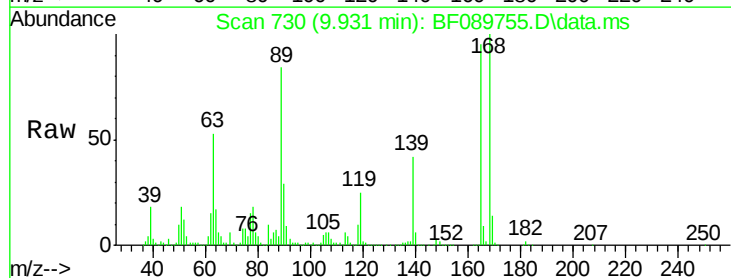
Instrument :
BNA_F
ClientSampleId :
9524

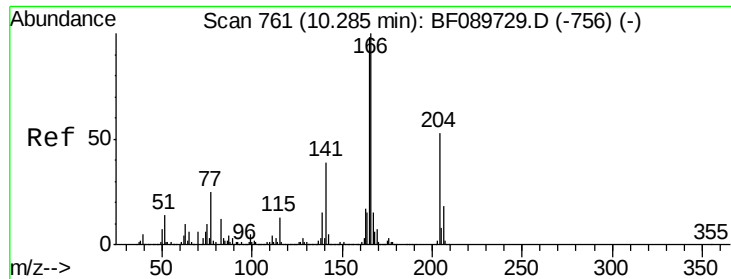
Tot Ion:139 Resp: 1106444
Ion Ratio Lower Upper
139 100
109 66.2 43.0 83.0
65 87.1 55.7 95.7



#56
2,4-Dinitrotoluene
Concen: 33.11 ng
RT: 9.931 min Scan# 730
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:165 Resp: 835663
Ion Ratio Lower Upper
165 100
63 55.3 23.7 35.5#
89 88.4 44.0 66.0#
182 1.9 2.0 3.0#

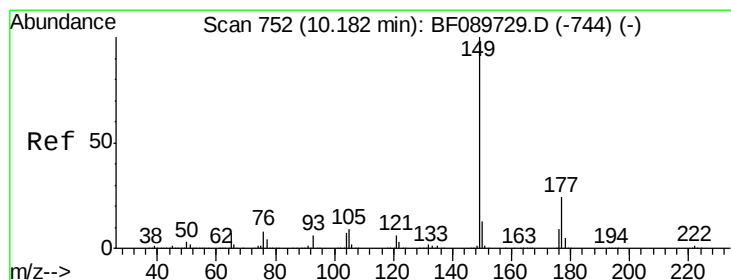
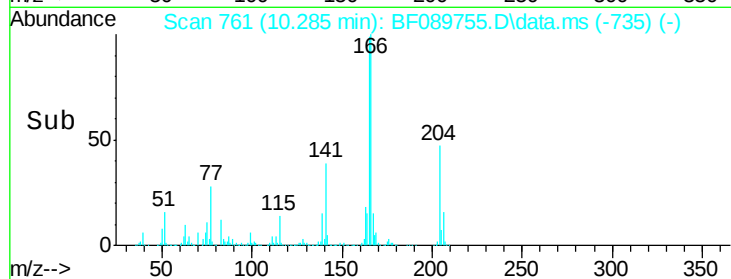
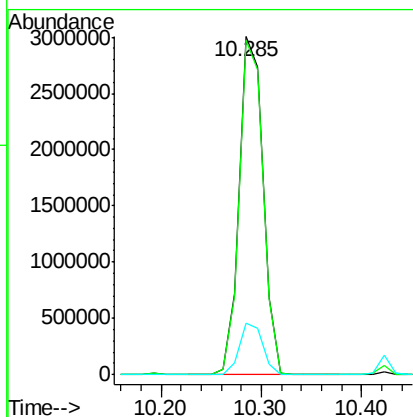
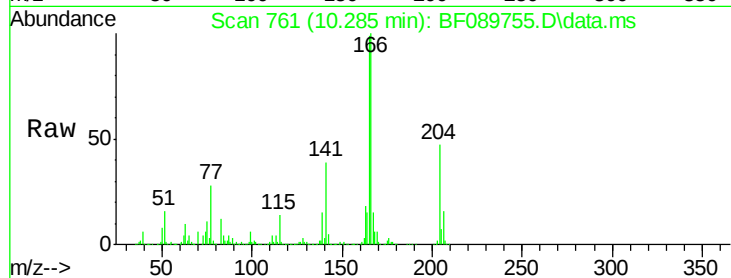




#57
 Fluorene
 Concen: 64.19 ng
 RT: 10.285 min Scan# 761
 Delta R.T. 0.000 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

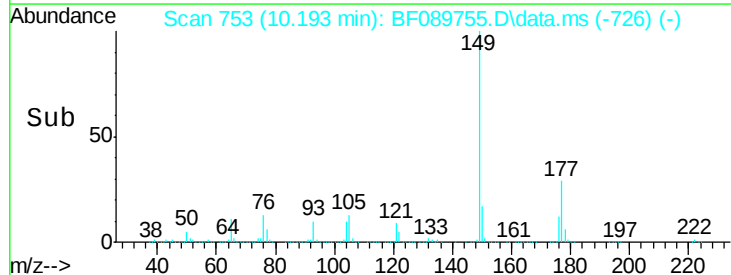
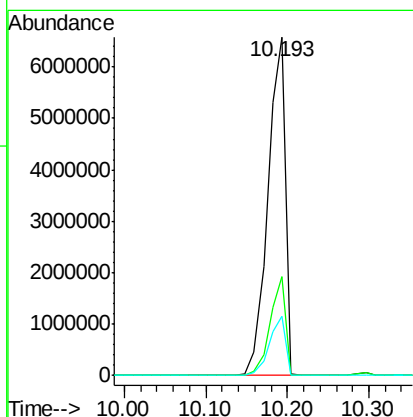
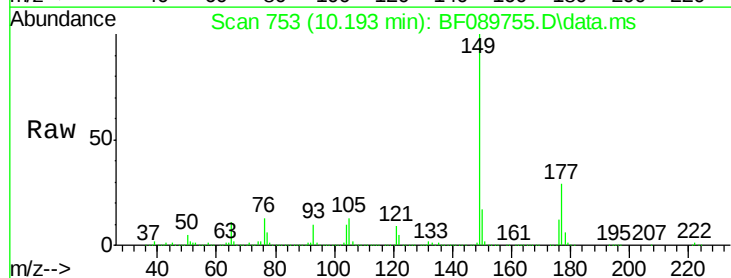
Instrument :
 BNA_F
 ClientSampleId :
 9524

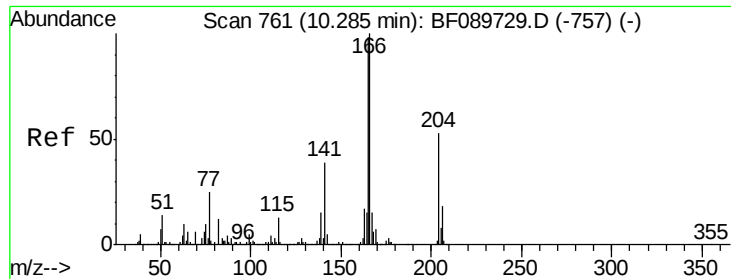
Tot Ion:166 Resp: 4933325
 Ion Ratio Lower Upper
 166 100
 165 98.7 80.2 120.4
 167 15.2 11.3 16.9



#59
 Diethylphthalate
 Concen: 113.32 ng
 RT: 10.193 min Scan# 753
 Delta R.T. 0.011 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion:149 Resp: 9969166
 Ion Ratio Lower Upper
 149 100
 177 29.2 16.6 25.0#
 150 17.5 10.5 15.7#

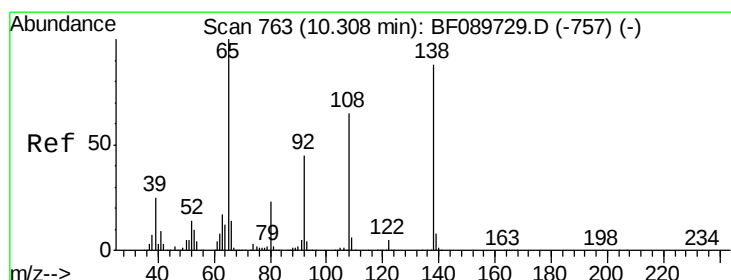
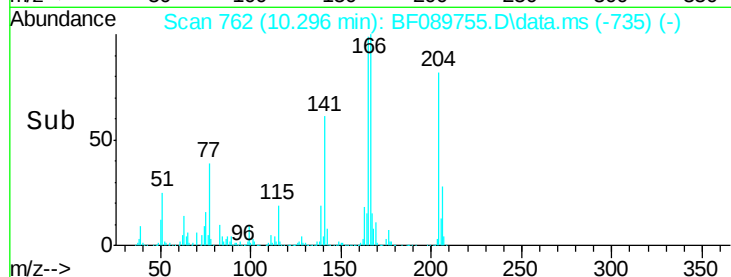
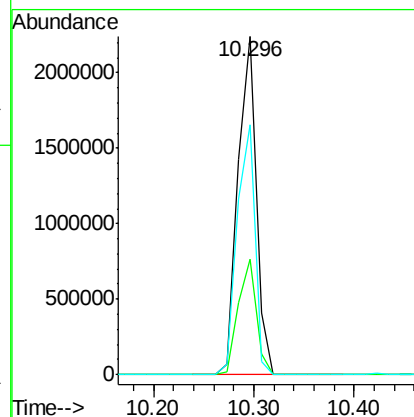
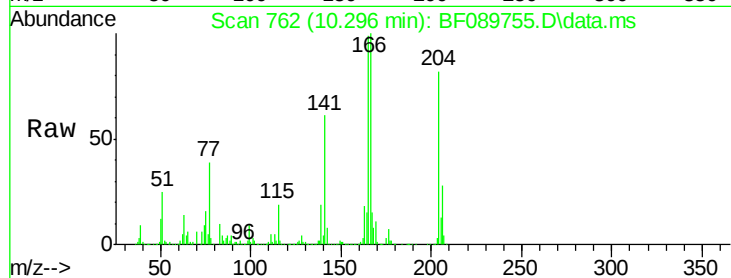




#60
4-Chlorophenyl-phenylether
Concen: 75.38 ng
RT: 10.296 min Scan# 761
Delta R.T. 0.012 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

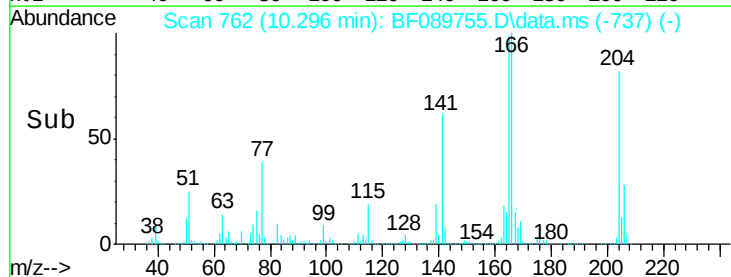
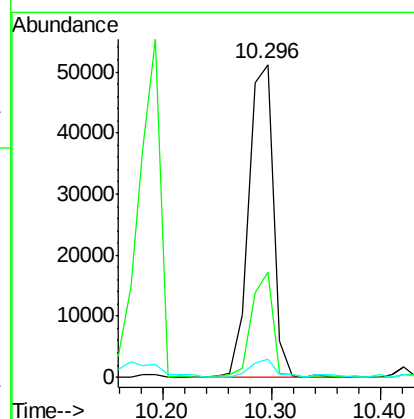
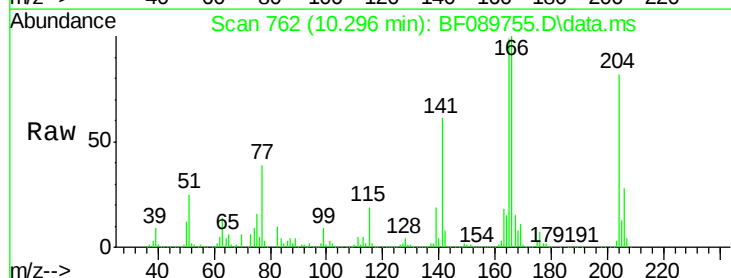
Instrument :
BNA_F
ClientSampleId :
9524

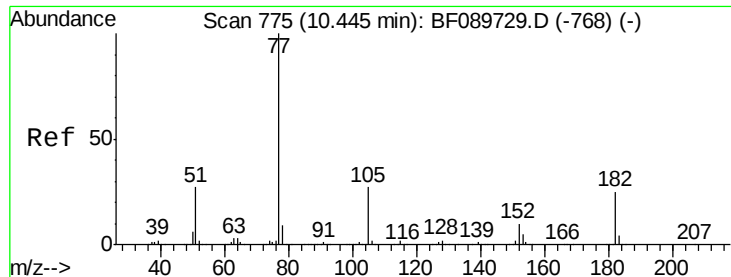
Tot Ion:204 Resp: 2844323
Ion Ratio Lower Upper
204 100
206 34.0 26.5 39.7
141 73.9 54.1 81.1



#61
4-Nitroaniline
Concen: 3.63 ng
RT: 10.296 min Scan# 762
Delta R.T. -0.011 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:138 Resp: 80371
Ion Ratio Lower Upper
138 100
92 33.5 26.4 66.4
108 5.6 47.0 87.0#





#62

Azobenzene

Concen: 16.55 ng

RT: 10.296 min Scan# 76

Delta R.T. -0.149 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

Tot Ion: 77 Resp: 1375534

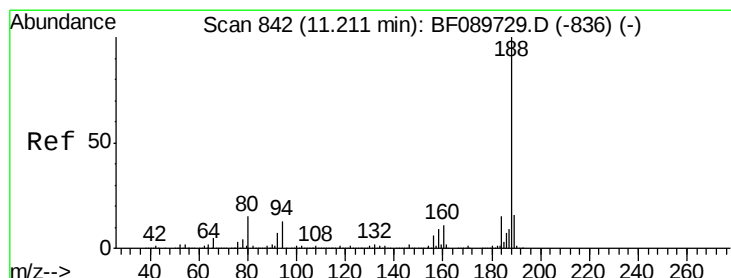
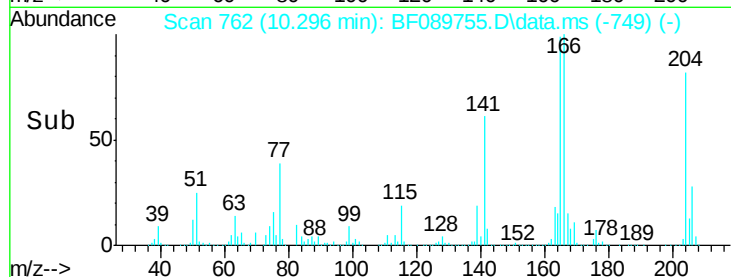
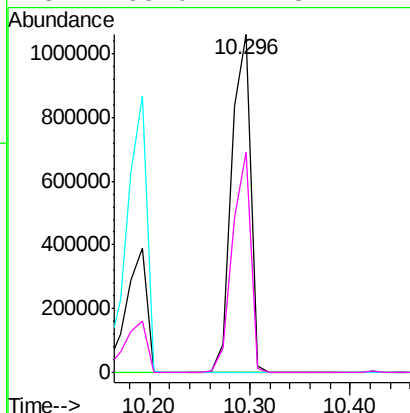
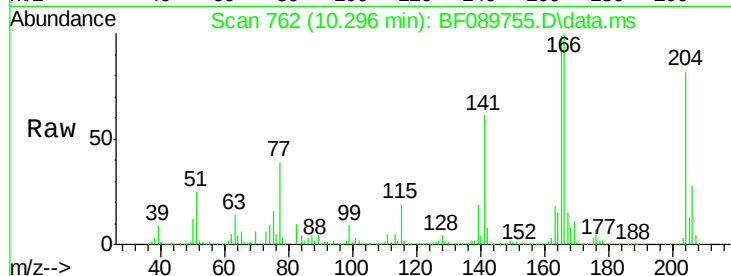
Ion Ratio Lower Upper

77 100

182 0.0 5.6 45.6#

105 0.2 4.0 44.0#

51 65.0 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: BF089755.D

Acq: 17 Aug 2016 10:52

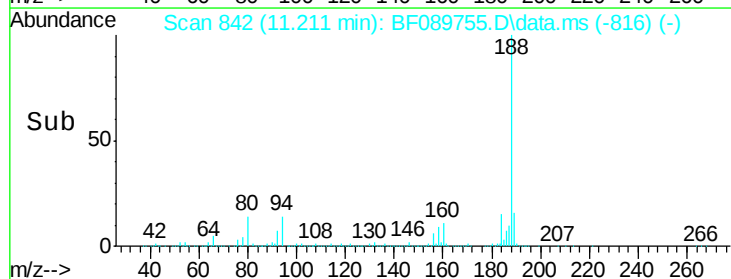
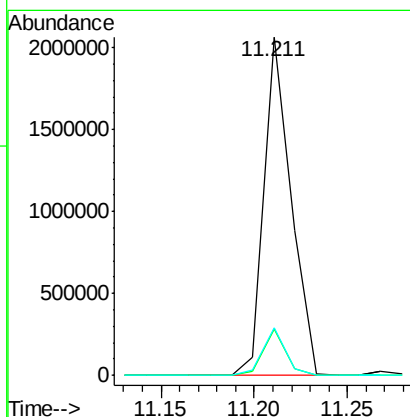
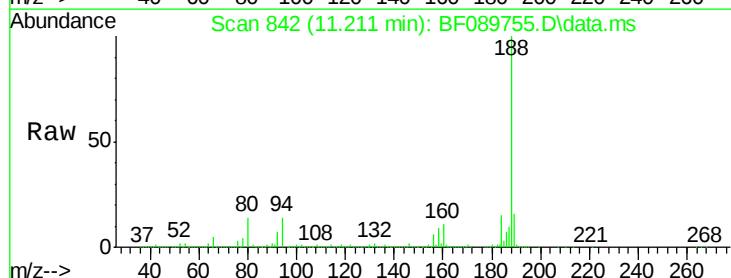
Tgt Ion: 188 Resp: 2105433

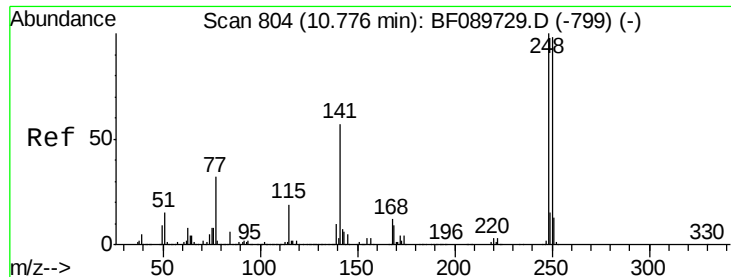
Ion Ratio Lower Upper

188 100

94 13.6 10.2 15.2

80 14.2 10.9 16.3

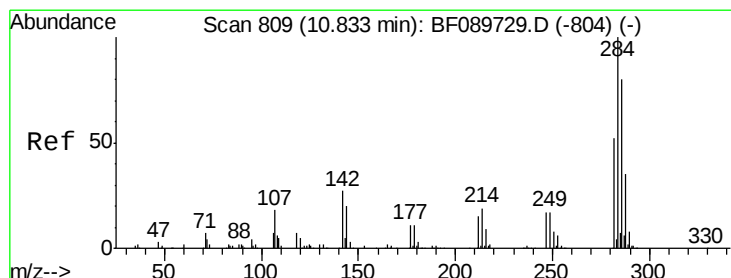
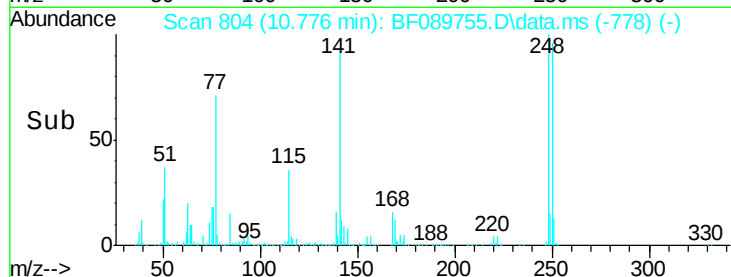
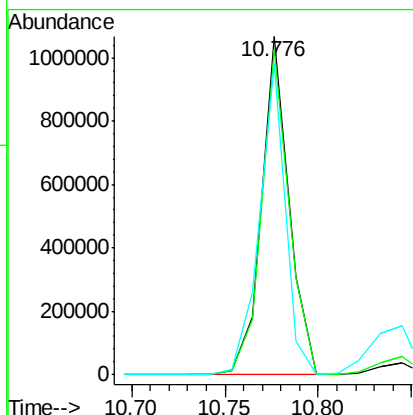
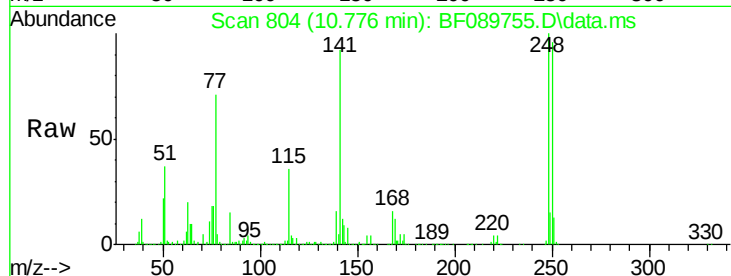




#66
4-Bromophenyl-phenylether
Concen: 49.52 ng
RT: 10.776 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

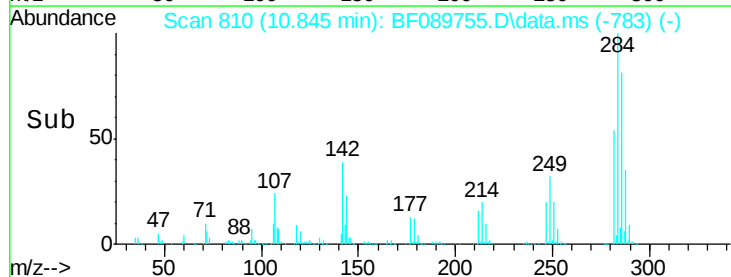
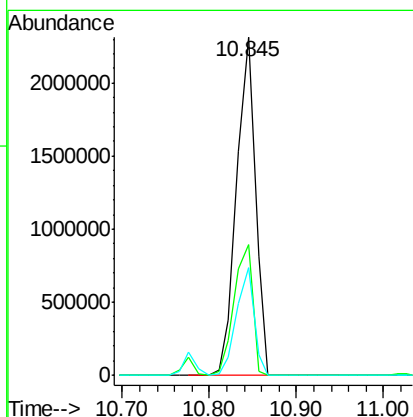
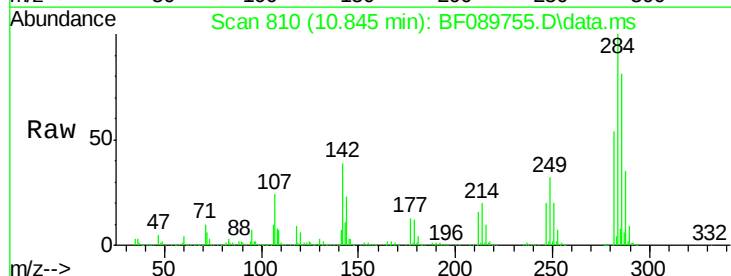
Instrument :
BNA_F
ClientSampleId :
9524

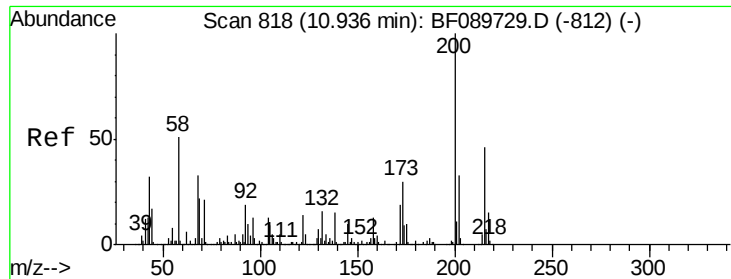
Tot Ion:248 Resp: 1079716
Ion Ratio Lower Upper
248 100
250 96.4 78.6 117.8
141 92.1 31.4 47.2#



#67
Hexachlorobenzene
Concen: 143.81 ng
RT: 10.845 min Scan# 810
Delta R.T. 0.011 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:284 Resp: 3485664
Ion Ratio Lower Upper
284 100
142 38.8 17.4 26.2#
249 31.7 22.8 34.2

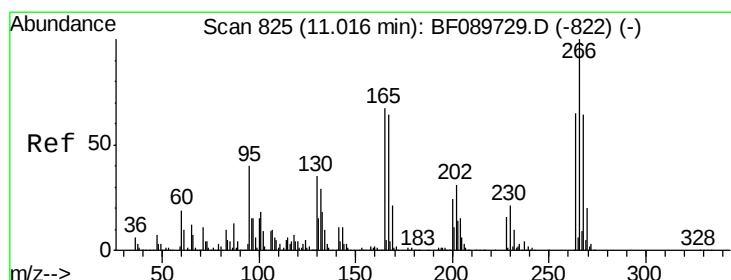
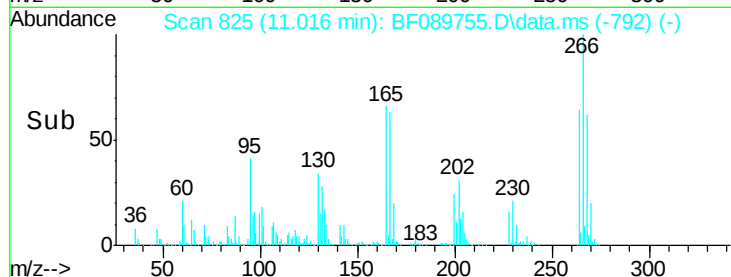
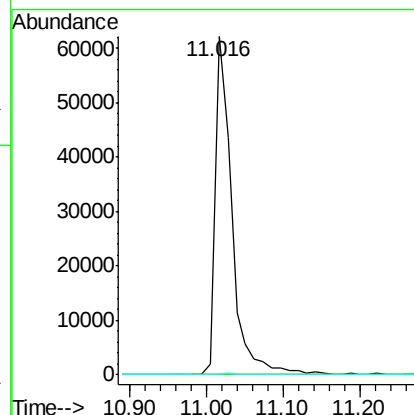
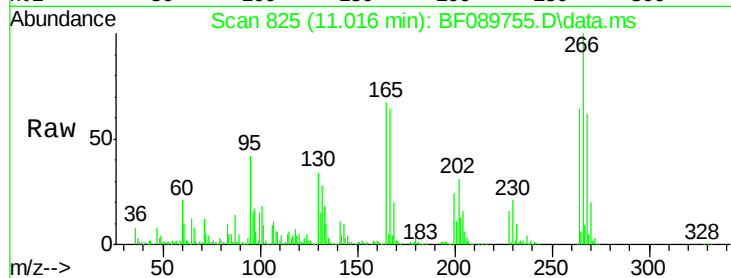




#68
Atrazine
Concen: 4.62 ng
RT: 11.016 min Scan# 82
Delta R.T. 0.080 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

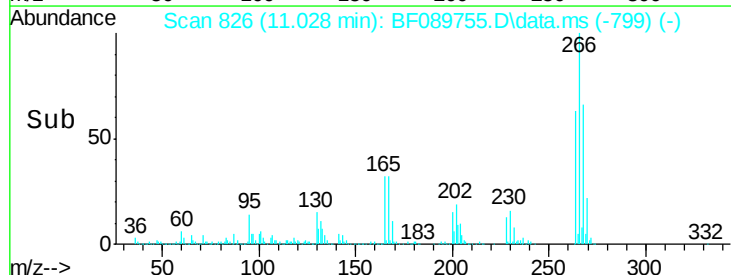
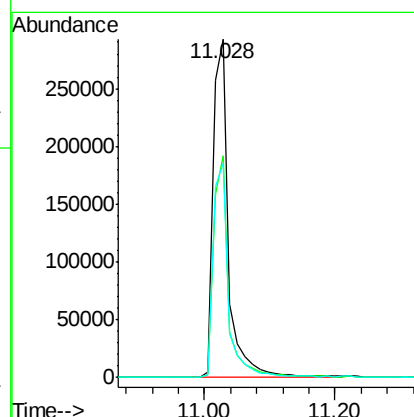
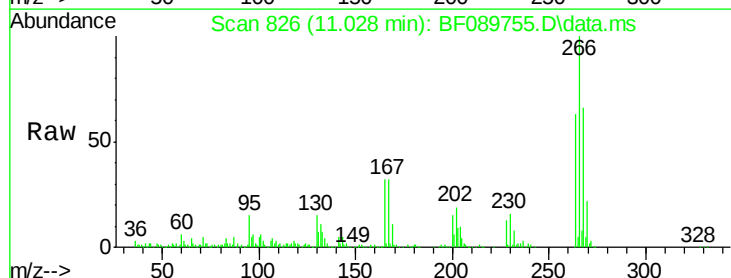
Instrument :
BNA_F
ClientSampleId :
9524

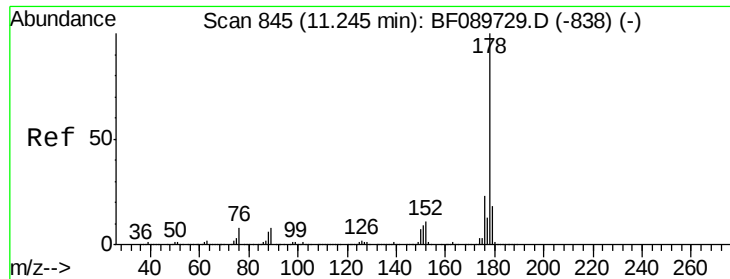
Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	6.6	46.6#
215	0.0	24.7	64.7#



#69
Pentachlorophenol
Concen: 31.97 ng
RT: 11.028 min Scan# 826
Delta R.T. 0.011 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.5	53.2	79.8
264	63.3	51.1	76.7





#70

Phenanthrene

Concen: 43.70 ng

RT: 11.291 min Scan# 84

Delta R.T. 0.047 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

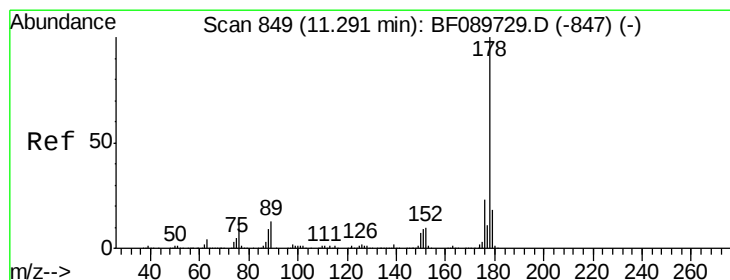
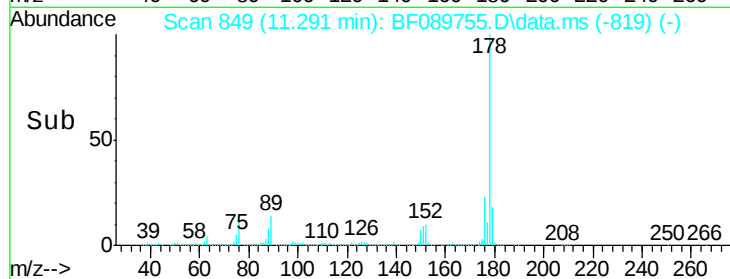
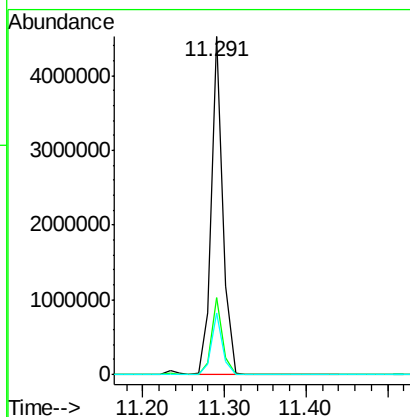
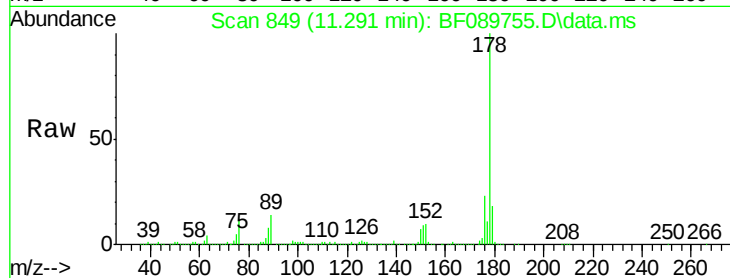
Tot Ion:178 Resp: 4522785

Ion Ratio Lower Upper

178 100

176 22.6 16.4 24.6

179 18.3 12.5 18.7



#71

Anthracene

Concen: 41.83 ng

RT: 11.291 min Scan# 849

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

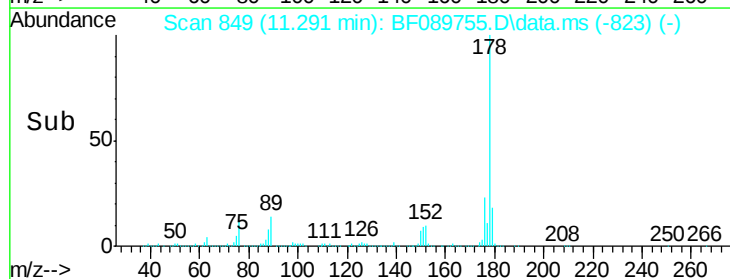
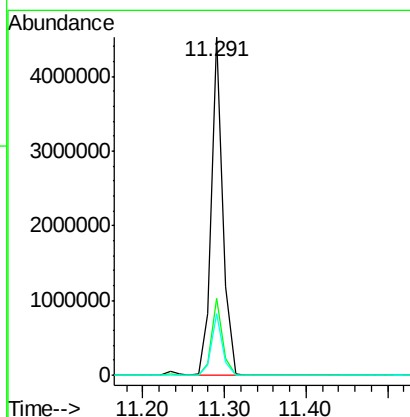
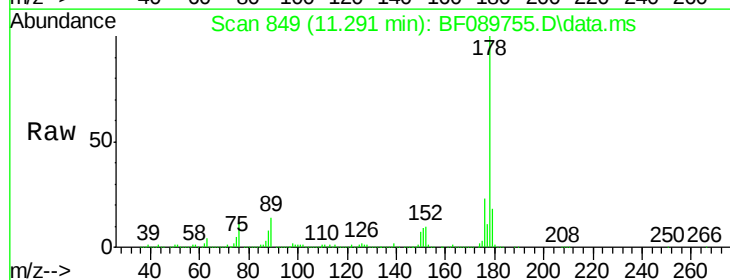
Tgt Ion:178 Resp: 4522785

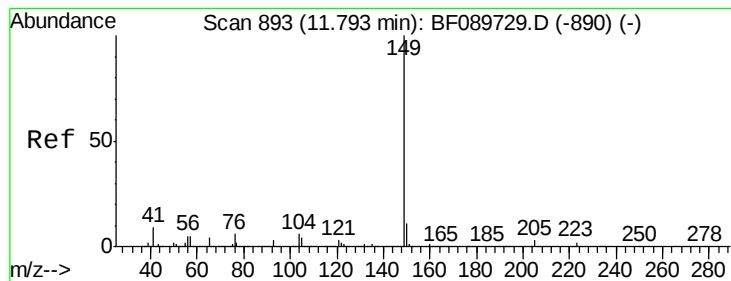
Ion Ratio Lower Upper

178 100

176 22.6 16.4 24.6

179 18.3 13.1 19.7





#73

Di-n-butylphthalate

Concen: 62.90 ng

RT: 11.805 min Scan# 89

Delta R.T. 0.012 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :
9524

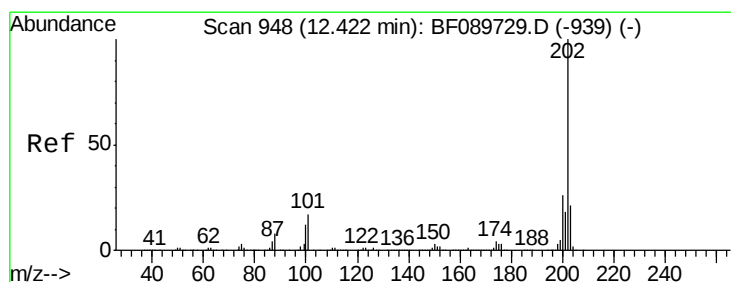
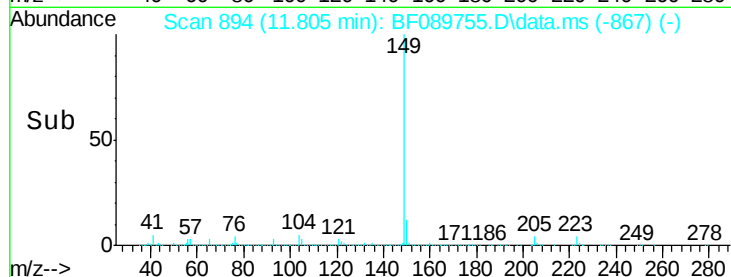
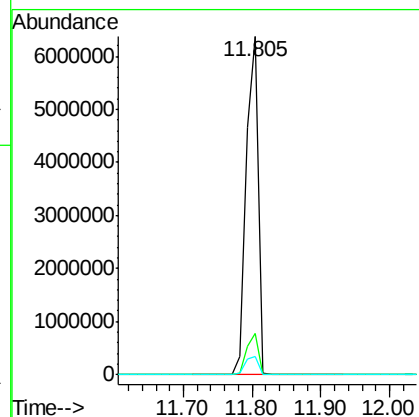
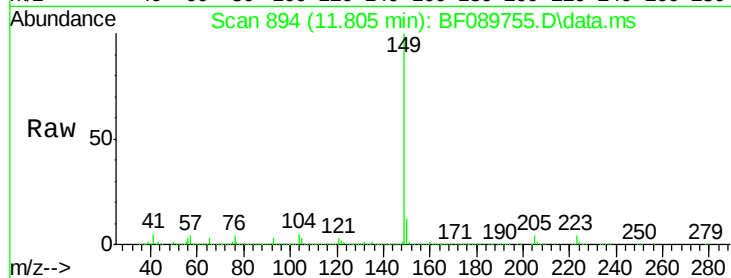
Tot Ion:149 Resp: 7837437

Ion Ratio Lower Upper

149 100

150 12.2 7.9 11.9#

104 5.4 4.3 6.5



#74

Fluoranthene

Concen: 44.67 ng

RT: 12.422 min Scan# 948

Delta R.T. 0.000 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

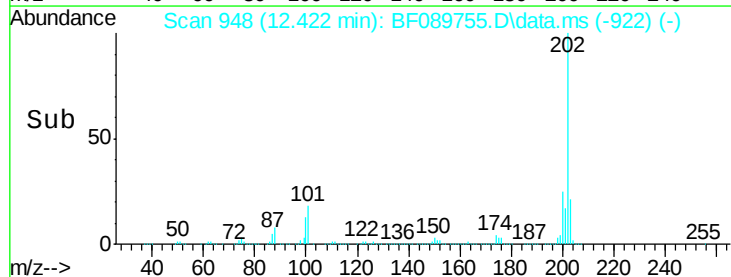
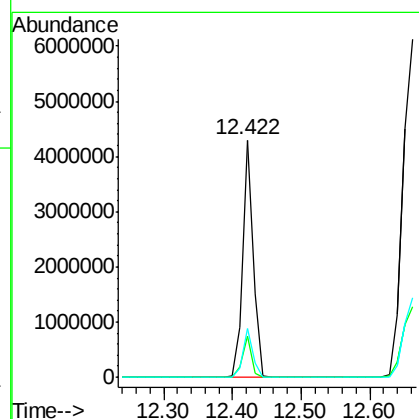
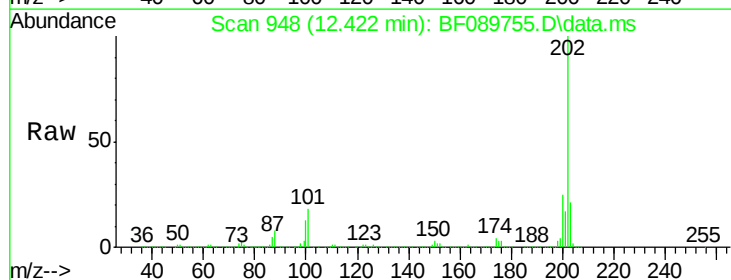
Tgt Ion:202 Resp: 4645177

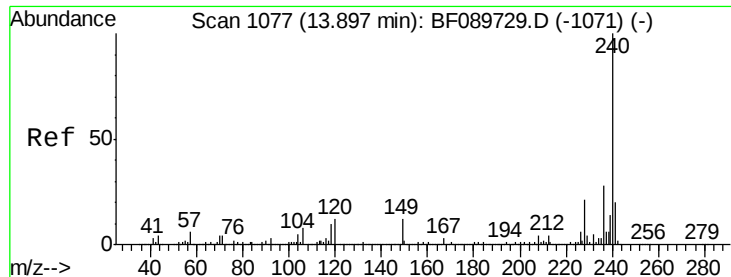
Ion Ratio Lower Upper

202 100

101 17.6 0.0 31.2

203 20.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.919 min Scan# 10

Delta R.T. 0.023 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

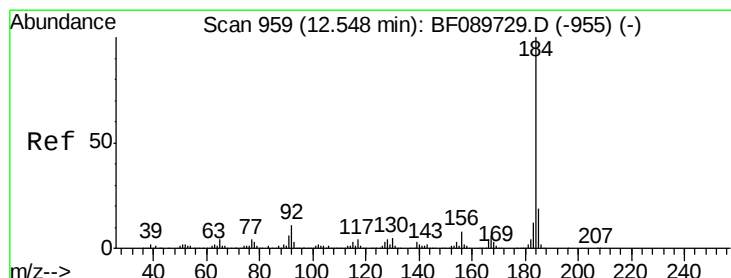
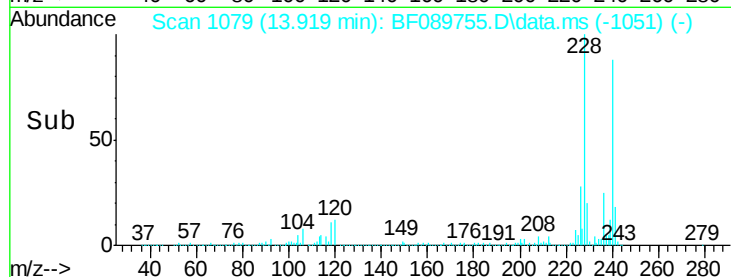
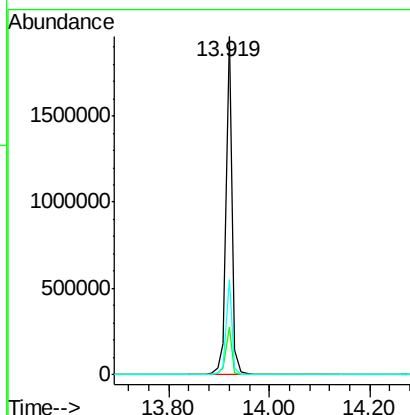
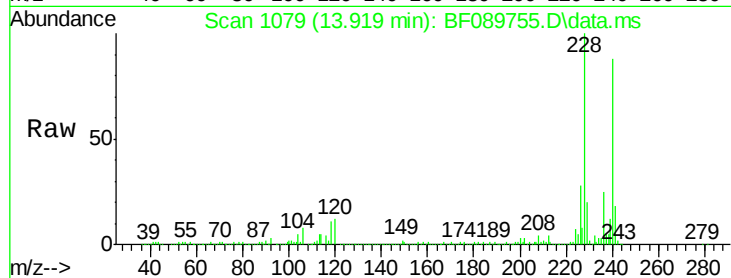
Tot Ion:240 Resp: 1623149

Ion Ratio Lower Upper

240 100

120 14.2 8.3 12.5#

236 28.0 21.3 31.9



#76

Benzidine

Concen: 1.18 ng

RT: 12.811 min Scan# 982

Delta R.T. 0.263 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

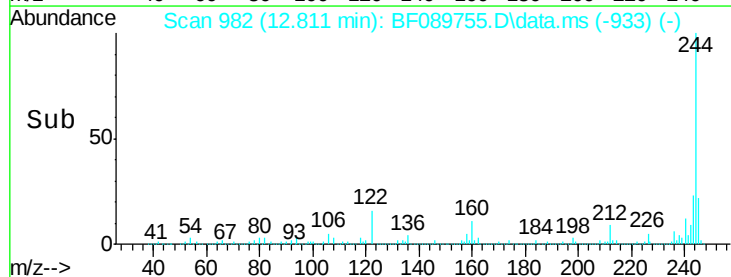
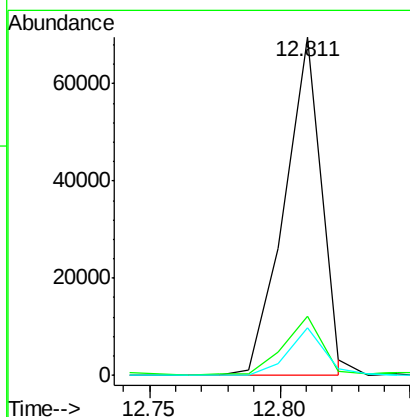
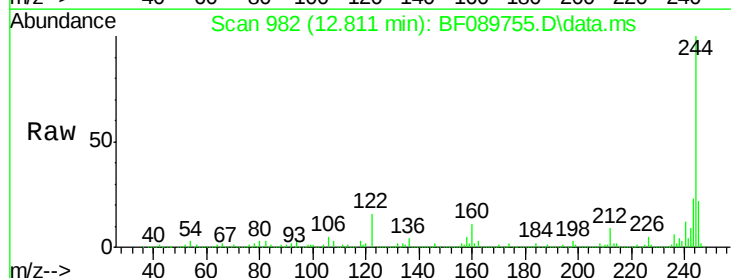
Tgt Ion:184 Resp: 68513

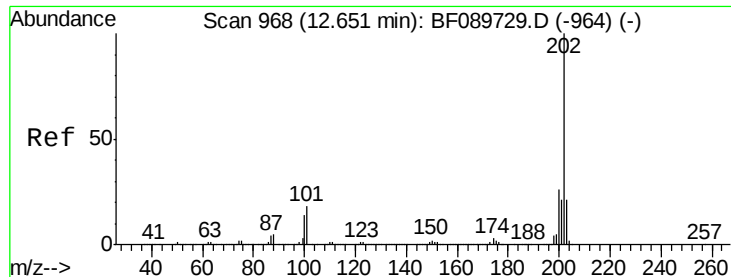
Ion Ratio Lower Upper

184 100

185 17.4 13.8 20.8

183 14.1 9.7 14.5





#77

Pvrene

Concen: 43.47 ng

RT: 12.422 min Scan# 94

Delta R.T. -0.229 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :
9524

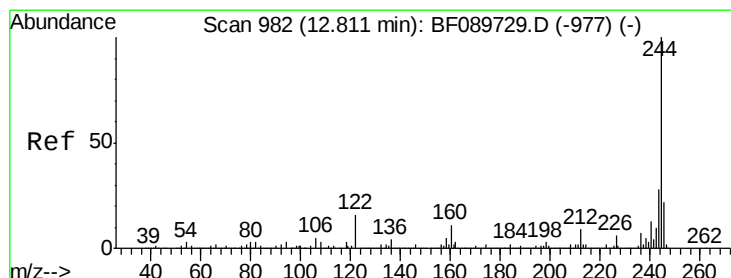
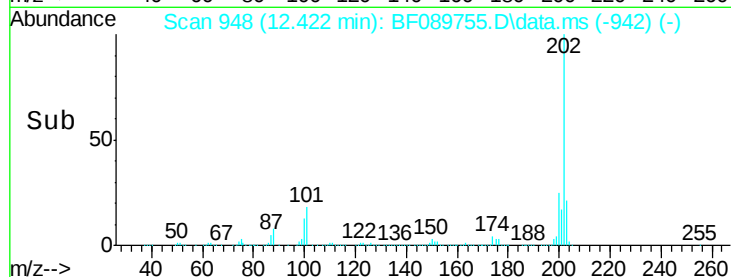
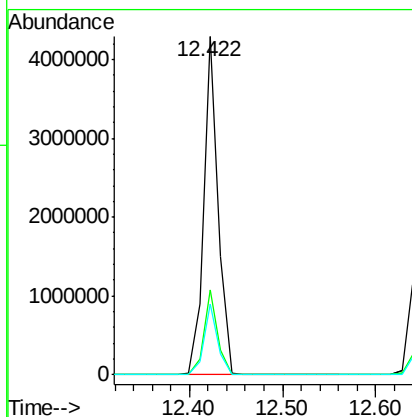
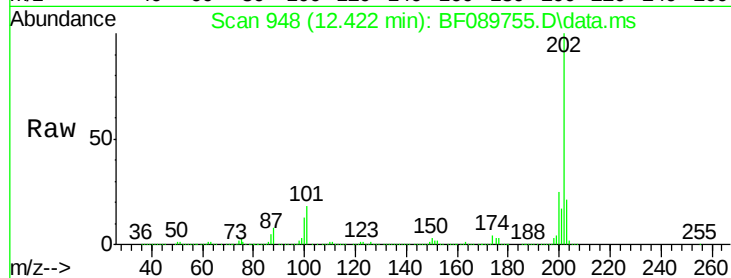
Tot Ion:202 Resp: 4617547

Ion Ratio Lower Upper

202 100

200 25.0 17.8 26.6

203 20.7 14.2 21.4



#78

Terphenyl-d14

Concen: 72.29 ng

RT: 12.811 min Scan# 982

Delta R.T. 0.001 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

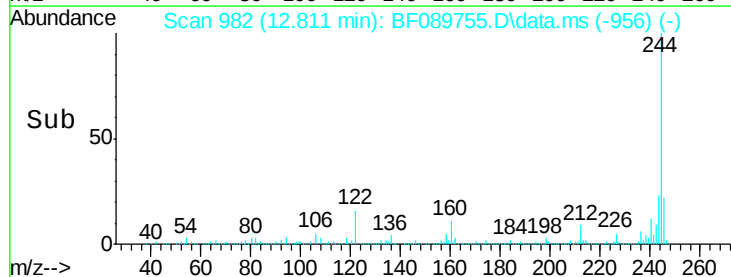
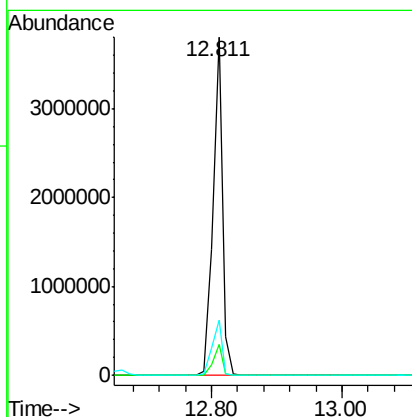
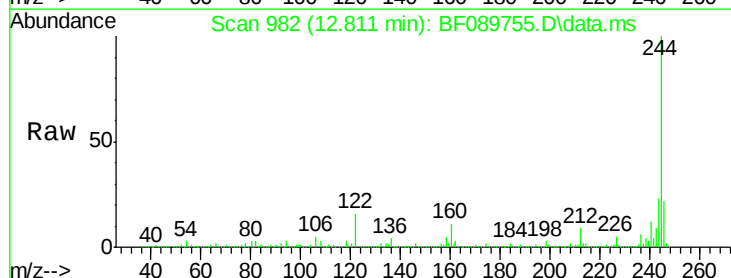
Tgt Ion:244 Resp: 3927388

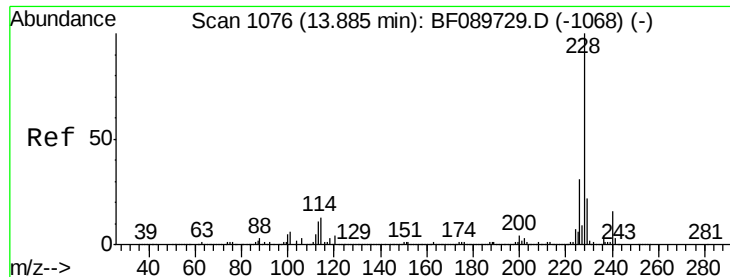
Ion Ratio Lower Upper

244 100

212 9.0 6.3 9.5

122 16.3 12.0 18.0





#80

Benzo(a)anthracene

Concen: 103.97 ng

RT: 13.908 min Scan# 1076

Delta R.T. 0.023 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

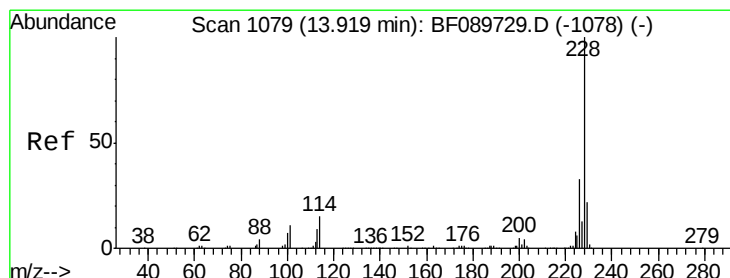
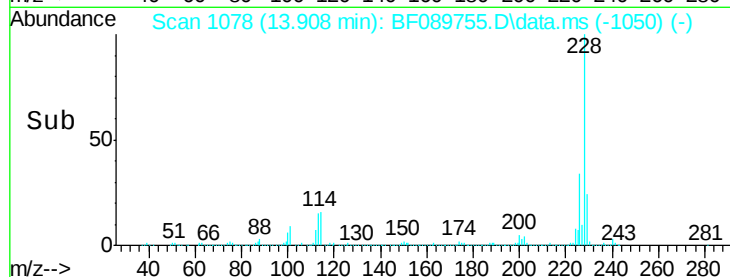
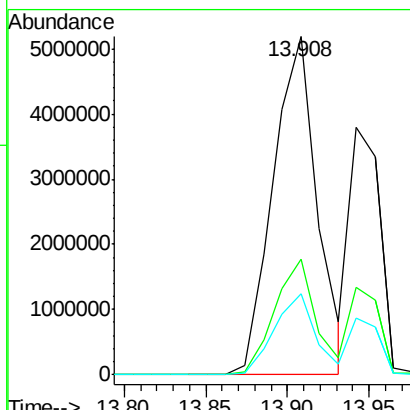
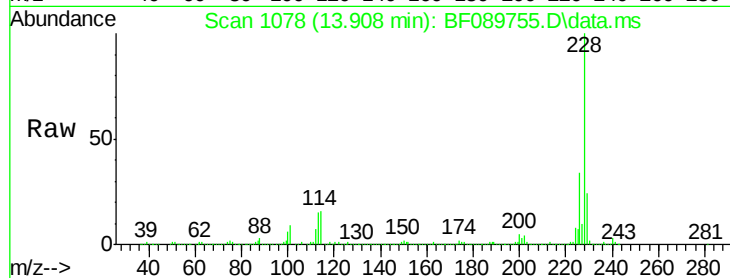
Instrument :

BNA_F

ClientSampleId :
9524

Tot Ion:228 Resp: 9804968

Ion	Ratio	Lower	Upper
228	100		
226	34.0	23.2	34.8
229	23.9	16.2	24.4



#82

Chrysene

Concen: 59.89 ng

RT: 13.942 min Scan# 1081

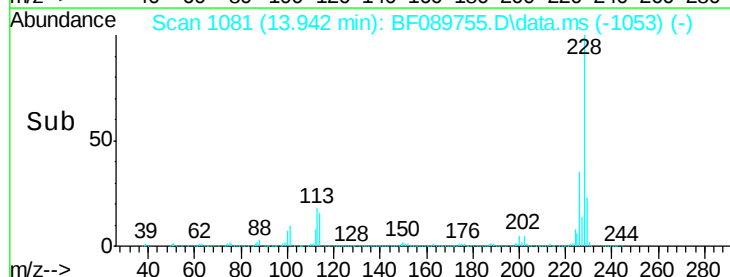
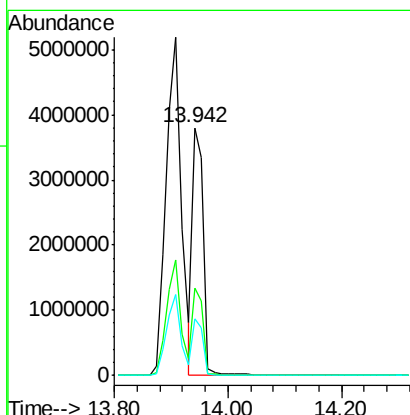
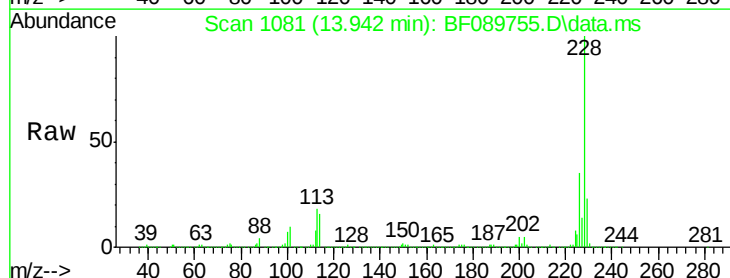
Delta R.T. 0.023 min

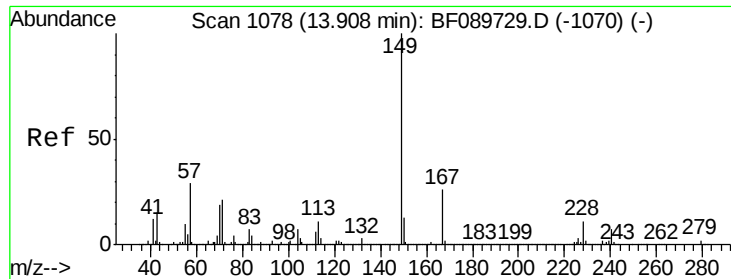
Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Tgt Ion:228 Resp: 5083219

Ion	Ratio	Lower	Upper
228	100		
226	35.1	25.4	38.0
229	22.6	16.5	24.7

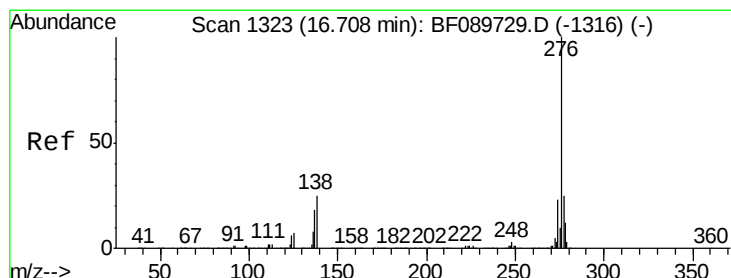
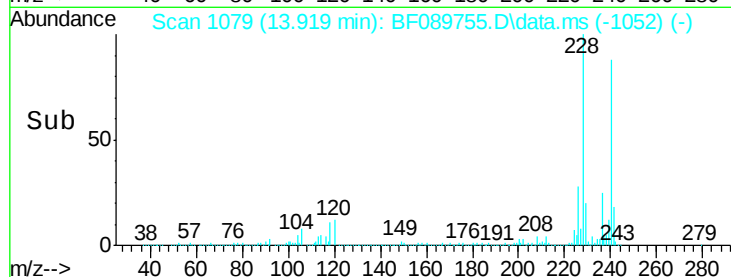
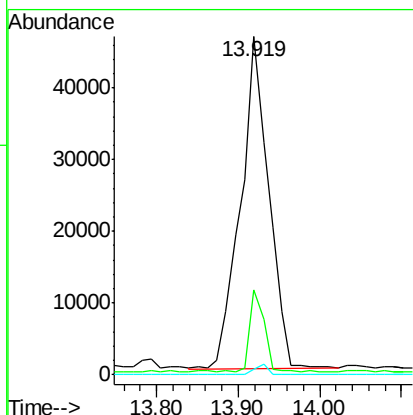
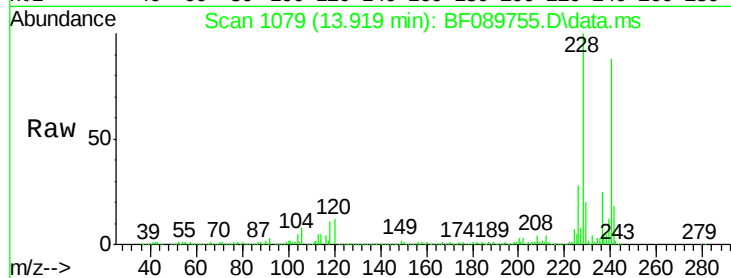




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.58 ng
 RT: 13.919 min Scan# 1078
 Delta R.T. 0.011 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

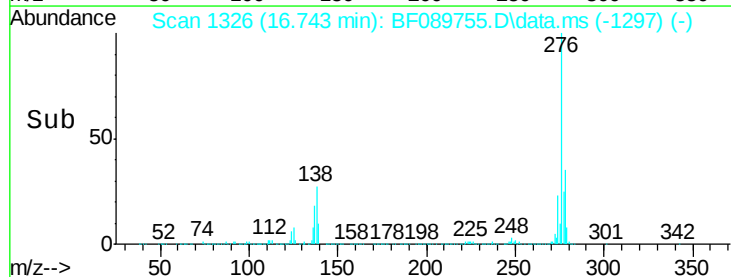
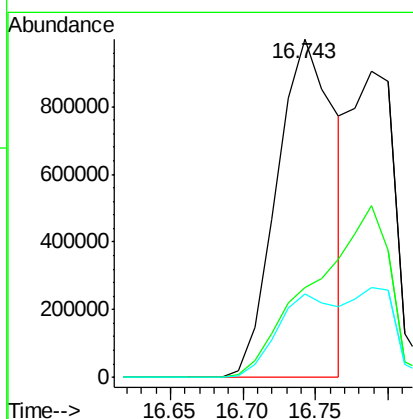
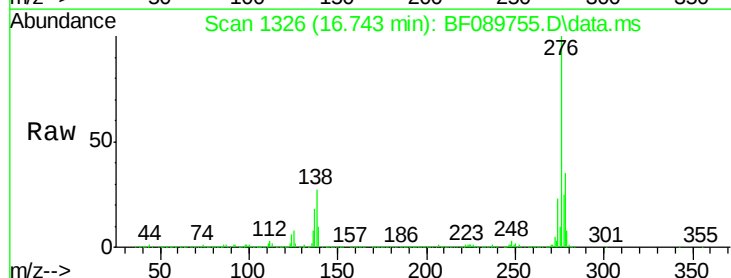
Instrument :
 BNA_F
 ClientSampleId :
 9524

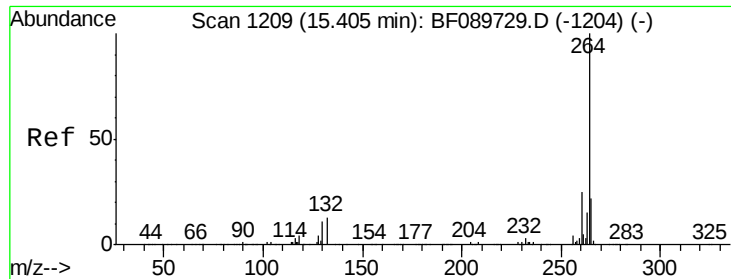
Tot Ion:149 Resp: 111258
 Ion Ratio Lower Upper
 149 100
 167 24.9 21.2 31.8
 279 1.5 2.9 4.3#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 38.73 ng
 RT: 16.743 min Scan# 1326
 Delta R.T. 0.034 min
 Lab File: BF089755.D
 Acq: 17 Aug 2016 10:52

Tgt Ion:276 Resp: 2800358
 Ion Ratio Lower Upper
 276 100
 138 0.0 24.6 36.8#
 277 25.4 20.4 30.6

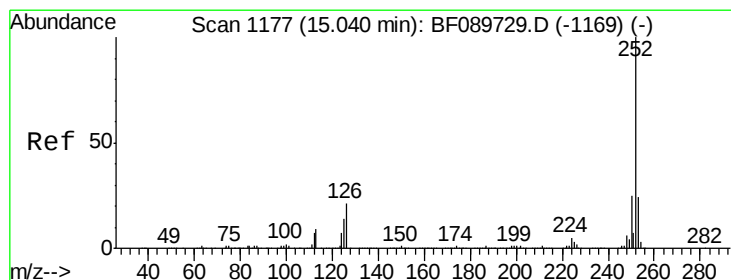
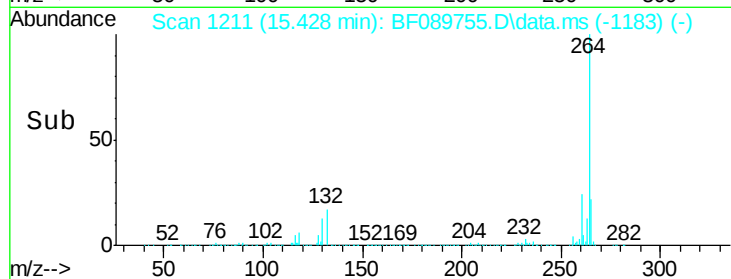
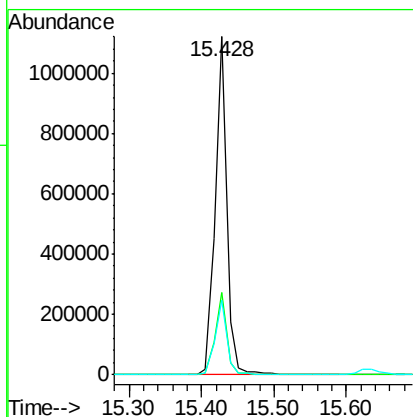
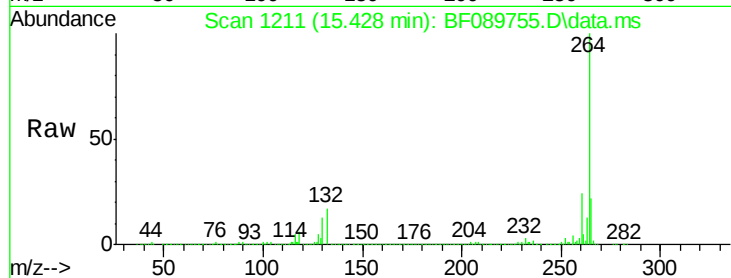




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.428 min Scan# 1209
Delta R.T. 0.023 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

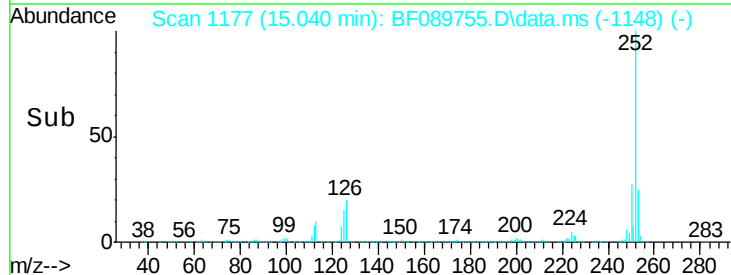
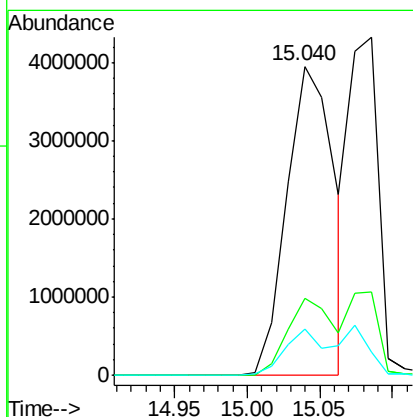
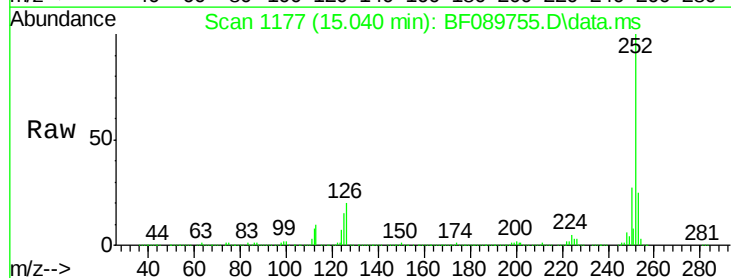
Instrument :
BNA_F
ClientSampleId :
9524

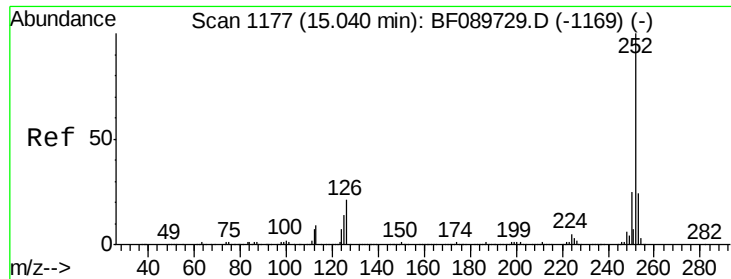
Tot Ion:264 Resp: 1254822
Ion Ratio Lower Upper
264 100
260 24.4 20.2 30.2
265 22.0 17.4 26.2



#87
Benzo(b)fluoranthene
Concen: 112.20 ng
RT: 15.040 min Scan# 1177
Delta R.T. 0.034 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:252 Resp: 8920667
Ion Ratio Lower Upper
252 100
253 25.0 17.8 26.8
125 14.8 11.4 17.2

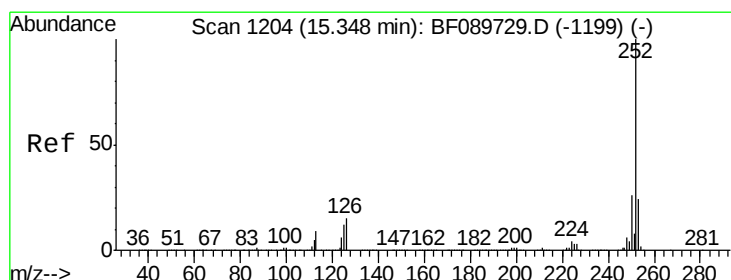
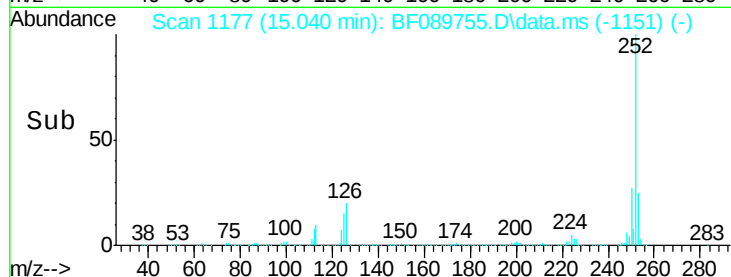
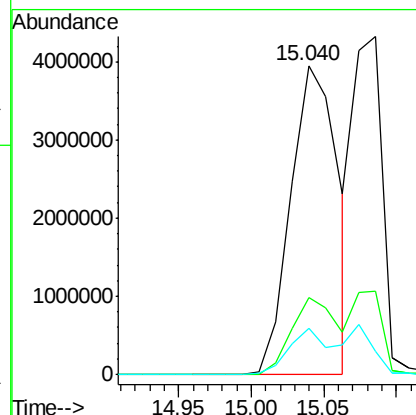
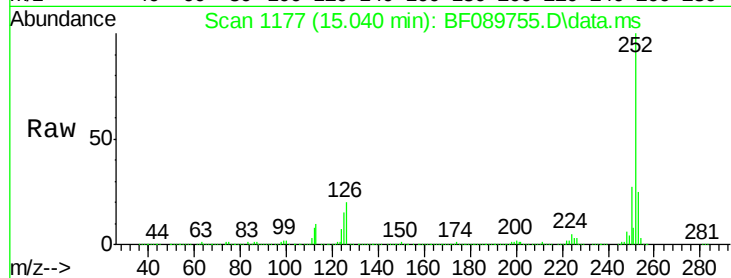




#88
Benzo(k)fluoranthene
Concen: 136.32 ng
RT: 15.040 min Scan# 1177
Delta R.T. 0.001 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

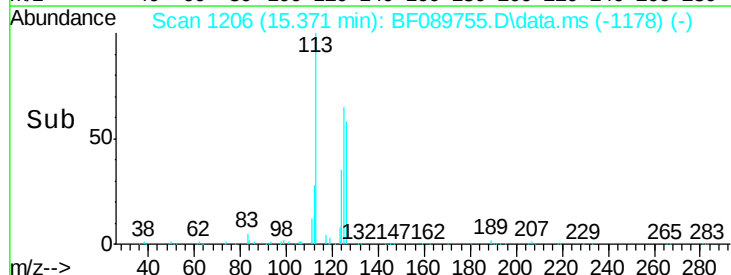
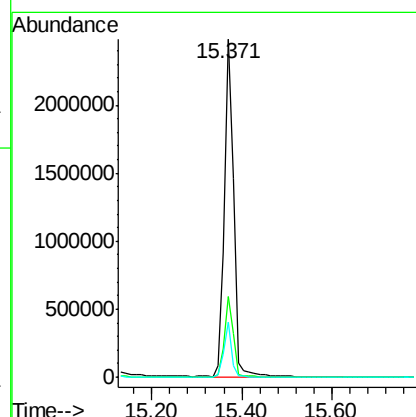
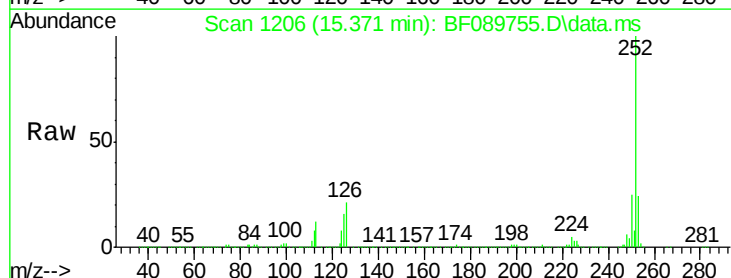
Instrument :
BNA_F
ClientSampleId :
9524

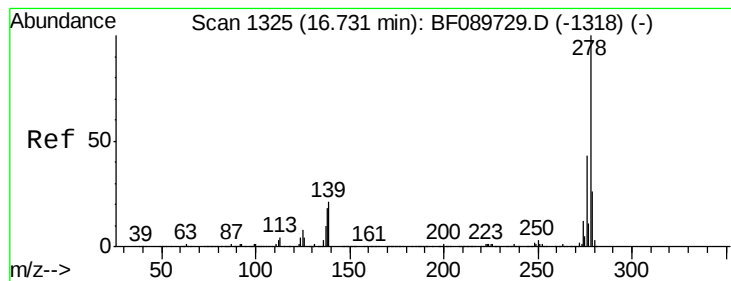
Tot Ion:252 Resp: 8920667
Ion Ratio Lower Upper
252 100
253 25.0 18.4 27.6
125 14.8 9.8 14.6#



#89
Benzo(a)pyrene
Concen: 54.56 ng
RT: 15.371 min Scan# 1206
Delta R.T. 0.023 min
Lab File: BF089755.D
Acq: 17 Aug 2016 10:52

Tgt Ion:252 Resp: 3581766
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 16.3 11.7 17.5





#90

Dibenzo(a,h)anthracene

Concen: 172.51 ng

RT: 16.788 min Scan# 13

Delta R.T. 0.057 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Instrument :

BNA_F

ClientSampleId :

9524

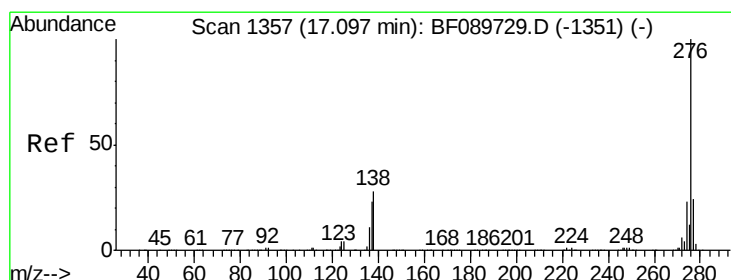
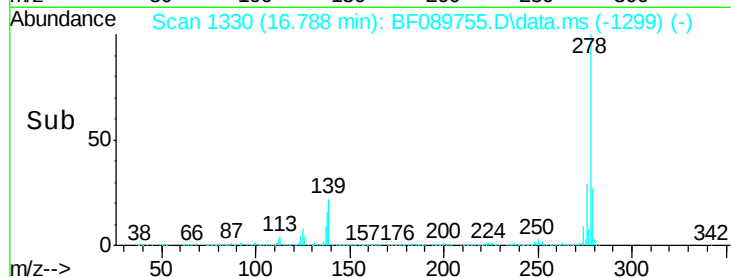
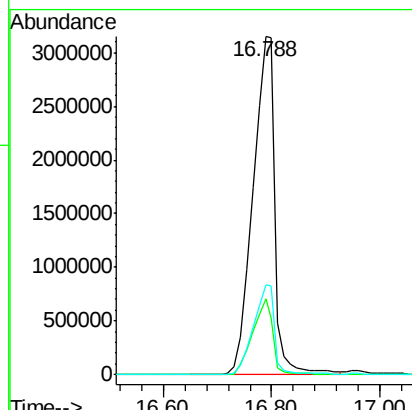
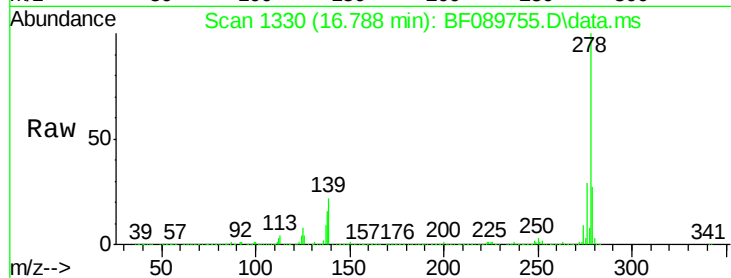
Tot Ion:278 Resp: 8916532

Ion Ratio Lower Upper

278 100

139 22.3 14.9 22.3#

279 26.6 19.2 28.8



#91

Benzo(g,h,i)perylene

Concen: 122.03 ng

RT: 17.166 min Scan# 1363

Delta R.T. 0.069 min

Lab File: BF089755.D

Acq: 17 Aug 2016 10:52

Tgt Ion:276 Resp: 6419524

Ion Ratio Lower Upper

276 100

277 25.3 19.2 28.8

138 23.8 22.1 33.1

