

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF081616\
 Data File : BF089752.D
 Acq On : 17 Aug 2016 9:33
 Operator : UM/SJ
 Sample : H4145-12DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 9535DL

Quant Time: Aug 17 10:44:49 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)

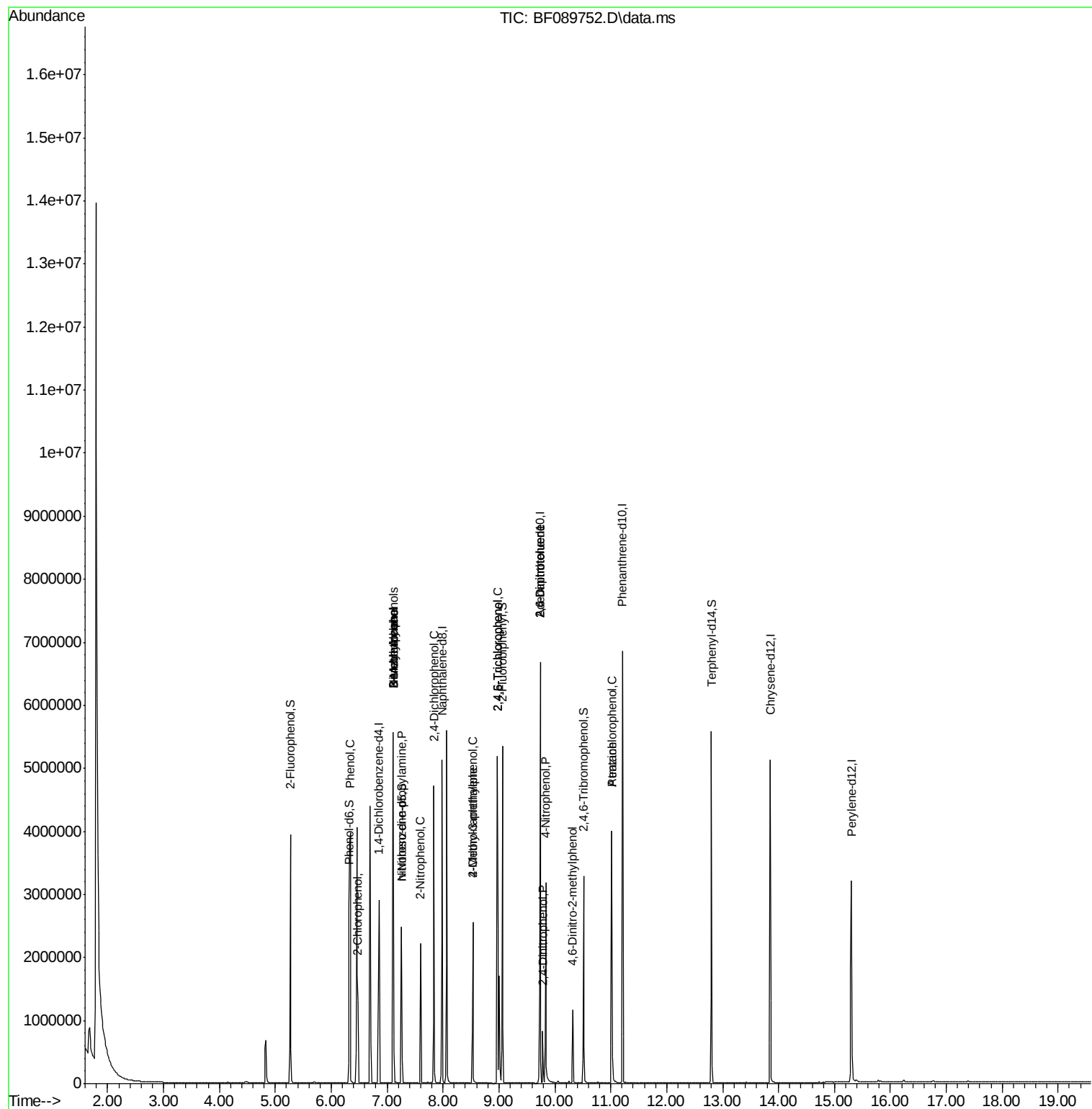
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.856	152	517197	20.00	ng	0.16
21) Naphthalene-d8	7.987	136	2604681	20.00	ng	0.00
38) Acenaphthene-d10	9.736	164	1247513	20.00	ng	0.00
63) Phenanthrene-d10	11.211	188	2239553	20.00	ng	0.00
75) Chrysene-d12	13.851	240	1741435	20.00	ng	-0.05
86) Perylene-d12	15.302	264	1445133	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.267	112	1051869	33.93	ng	-0.01
7) Phenol-d6	6.319	99	1355823	34.39	ng	-0.01
23) Nitrobenzene-d5	7.256	82	753890	17.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.513	330	361871	29.98	ng	-0.01
44) 2-Fluorobiphenyl	9.062	172	1559012	20.05	ng	-0.01
78) Terphenyl-d14	12.799	244	1620240	27.80	ng	-0.01
Target Compounds						
8) 2-Chlorophenol	6.479	128	444864	12.07	ng	Qvalue # 82
10) Phenol	6.342	94	1561938	31.83	ng	# 75
15) Benzyl Alcohol	7.107	79	276603	10.50	ng	# 1
17) 2-Methylphenol	7.107	107	1337847	45.67	ng	# 70
19) n-Nitroso-di-n-propyla...	7.256	70	99357	3.85	ng	# 81
20) 3+4-Methylphenols	7.107	107	1337847	35.66	ng	# 47
24) Nitrobenzene	7.107	77	400794	8.35	ng	# 44
26) 2-Nitrophenol	7.599	139	360310	15.96	ng	# 81
29) 2,4-Dichlorophenol	7.839	162	894953	25.12	ng	96
36) 4-Chloro-3-methylphenol	8.536	107	545975	14.08	ng	97
37) 2-Methylnaphthalene	8.536	142	459830	5.78	ng	# 24
42) 2,4,6-Trichlorophenol	8.970	196	1082743	41.79	ng	97
43) 2,4,5-Trichlorophenol	8.970	196	1082743	43.83	ng	# 74
50) 2,6-Dinitrotoluene	9.736	165	164311	8.04	ng	# 26
53) 2,4-Dinitrophenol	9.782	184	80266	10.39	ng	# 60
55) 4-Nitrophenol	9.839	139	513813	28.12	ng	# 81
56) 2,4-Dinitrotoluene	9.736	165	164311	6.26	ng	# 35
64) 4,6-Dinitro-2-methylph...	10.319	198	142361	10.95	ng	89
68) Atrazine	11.016	200	79706	3.74	ng	# 38
69) Pentachlorophenol	11.016	266	418248	26.04	ng	98

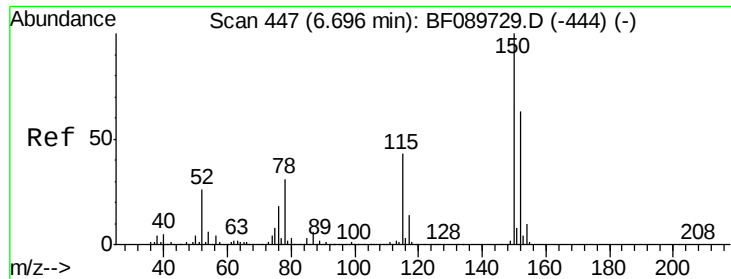
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.856 min Scan# 461

Delta R.T. 0.160 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

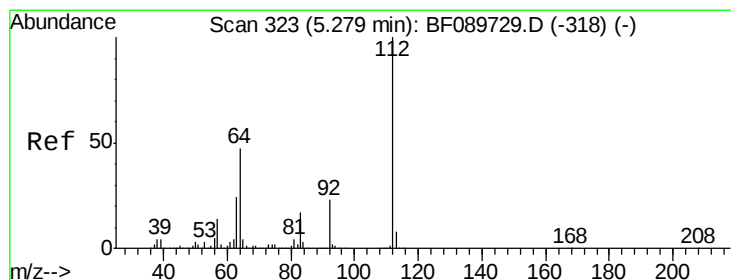
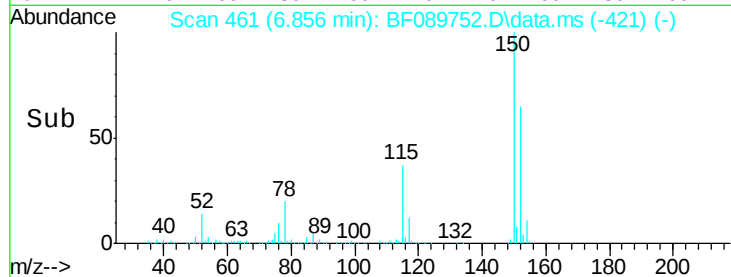
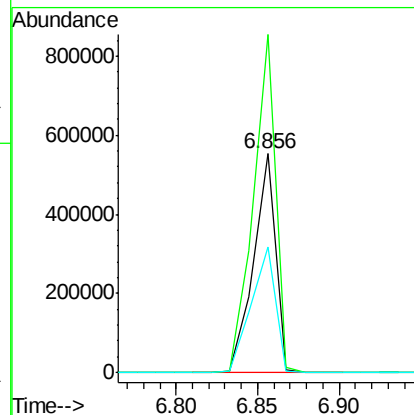
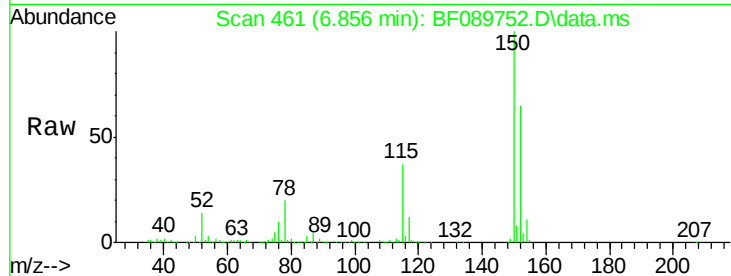
Tot Ion:152 Resp: 517197

Ion Ratio Lower Upper

152 100

150 154.6 125.3 187.9

115 57.3 40.9 61.3



#5

2-Fluorophenol

Concen: 33.93 ng

RT: 5.267 min Scan# 322

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

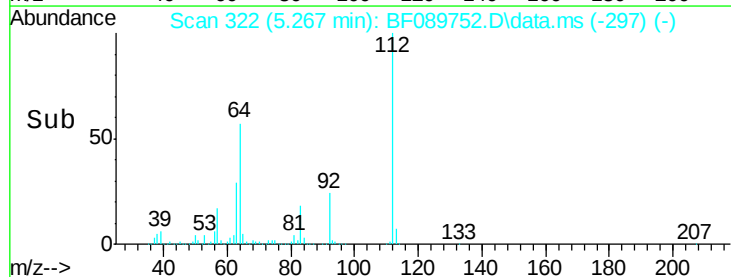
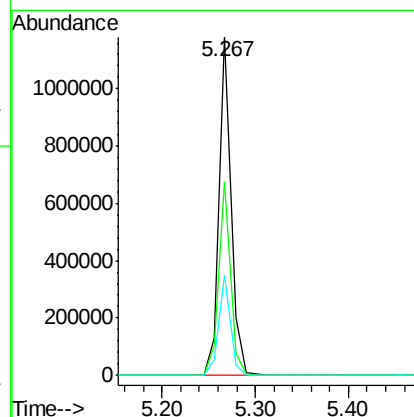
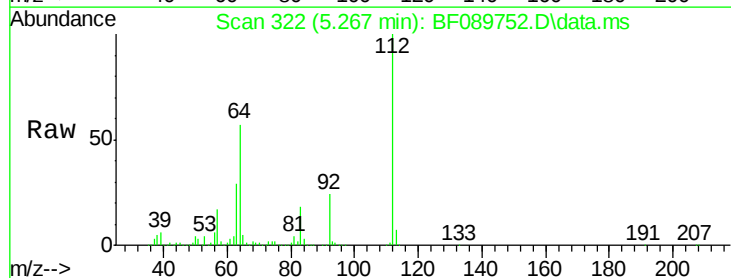
Tgt Ion:112 Resp: 1051869

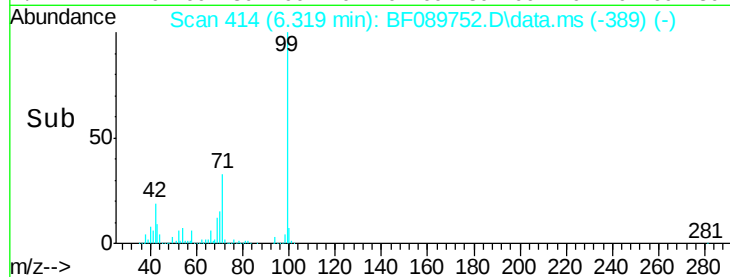
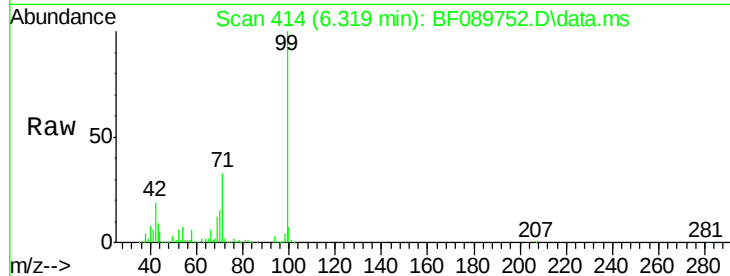
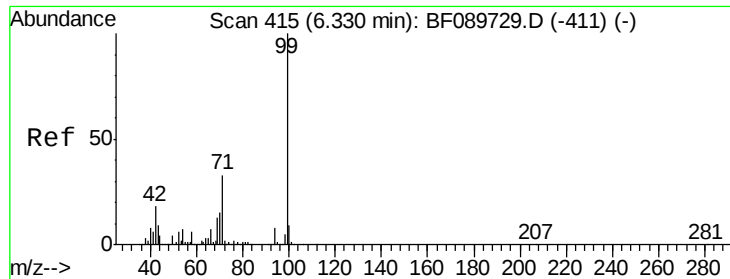
Ion Ratio Lower Upper

112 100

64 57.1 45.0 67.4

63 29.5 23.1 34.7





#7

Phenol-d6

Concen: 34.39 ng

RT: 6.319 min Scan# 41

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

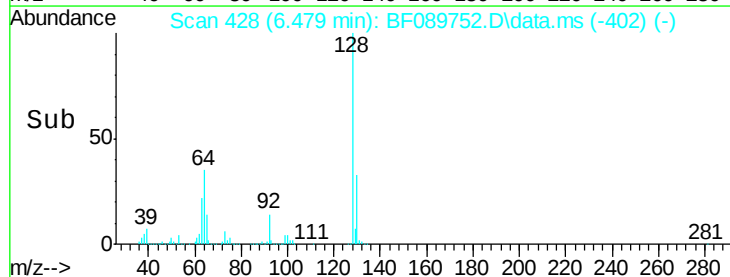
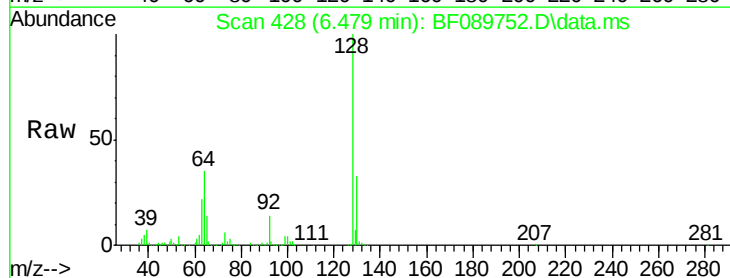
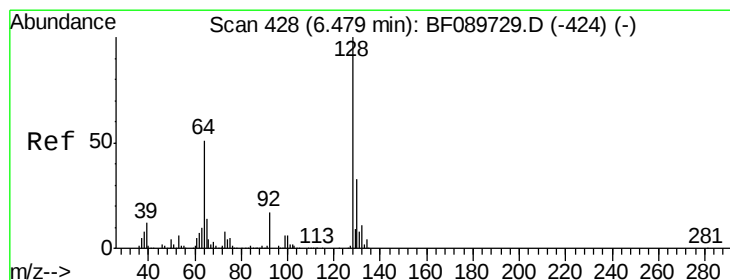
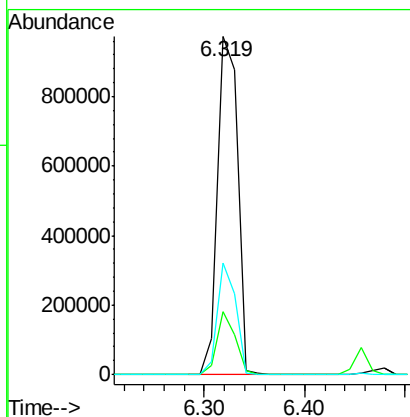
BNA_F

ClientSampleId :

9535DL

Tot Ion: 99 Resp: 1355823

Ion	Ratio	Lower	Upper
99	100		
42	18.7	12.2	18.4#
71	32.9	23.8	35.8



#8

2-Chlorophenol

Concen: 12.07 ng

RT: 6.479 min Scan# 428

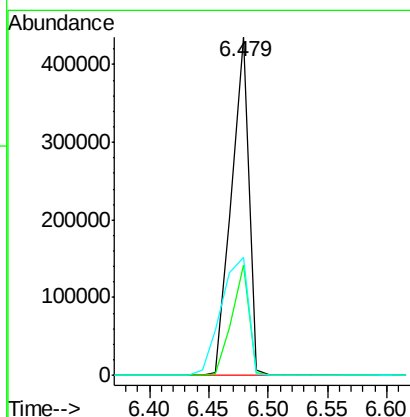
Delta R.T. 0.000 min

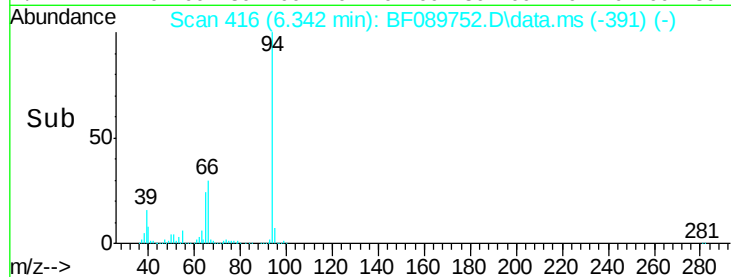
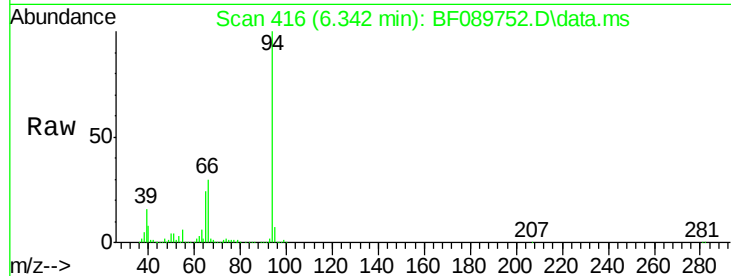
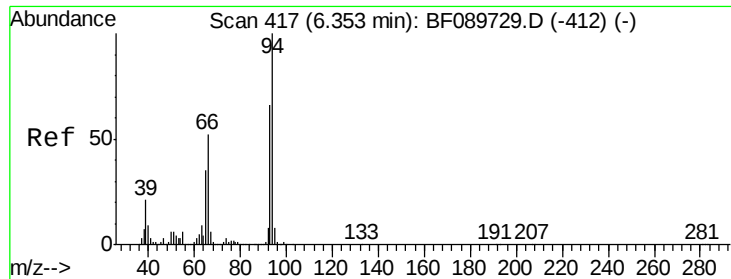
Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion: 128 Resp: 444864

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.0	52.0
64	35.0	35.1	75.1#





#10

Phenol

Concen: 31.83 ng

RT: 6.342 min Scan# 41

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

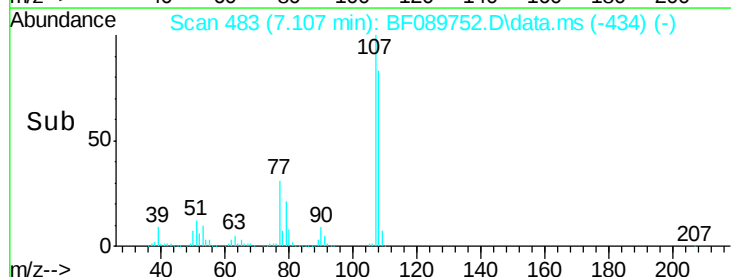
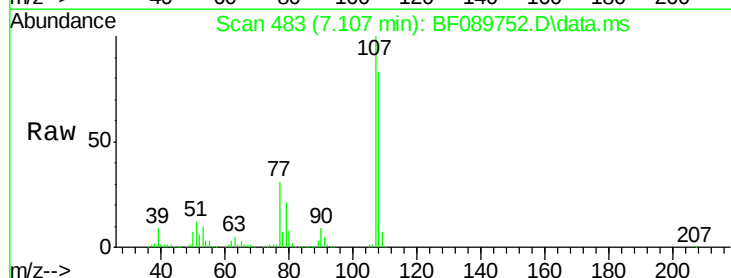
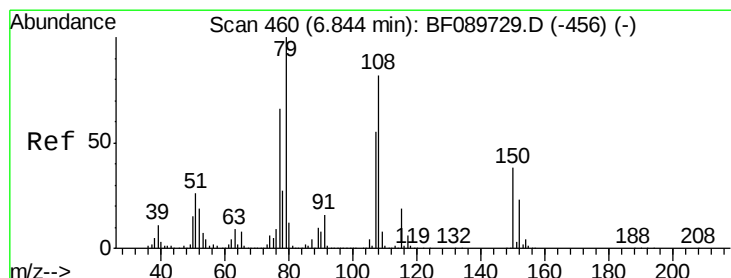
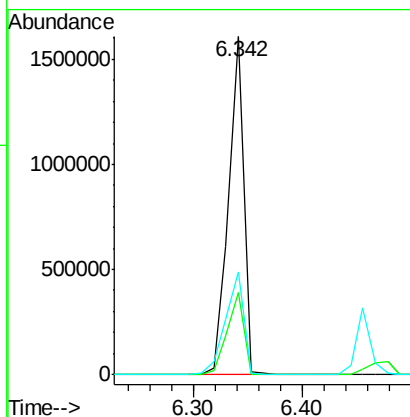
BNA_F

ClientSampleId :

9535DL

Tot Ion: 94 Resp: 1561938

Ion	Ratio	Lower	Upper
94	100		
65	24.2	14.0	54.0
66	30.4	31.2	71.2#



#15

Benzyl Alcohol

Concen: 10.50 ng

RT: 7.107 min Scan# 483

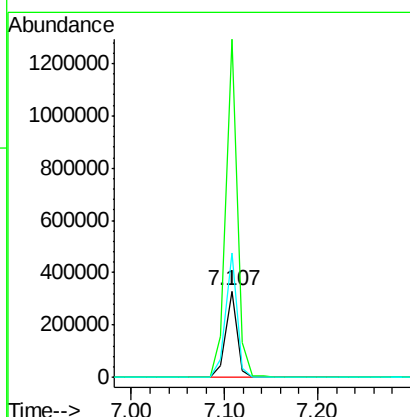
Delta R.T. 0.263 min

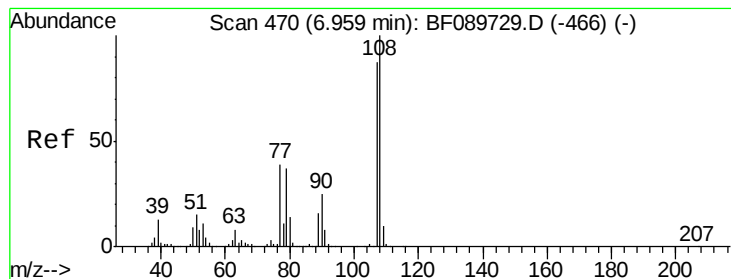
Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion: 79 Resp: 276603

Ion	Ratio	Lower	Upper
79	100		
108	391.5	62.5	93.7#
77	144.2	51.5	77.3#





#17

2-Methylphenol

Concen: 45.67 ng

RT: 7.107 min Scan# 48

Delta R.T. 0.149 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

Tot Ion:107 Resp: 1337847

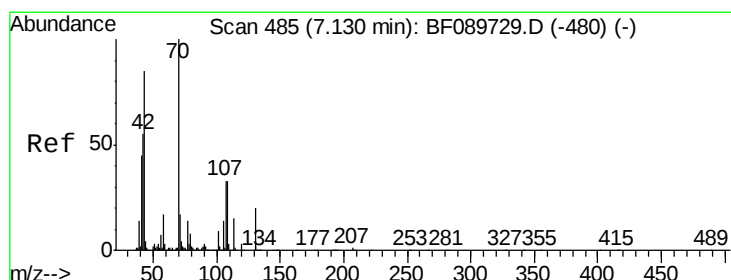
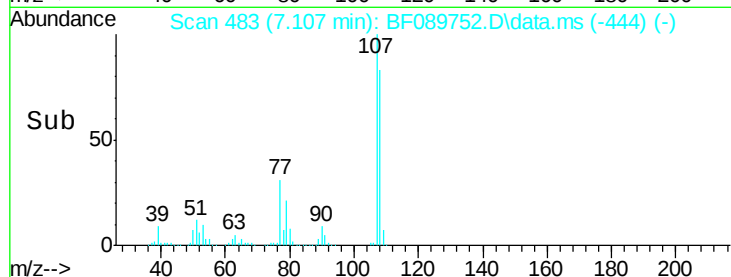
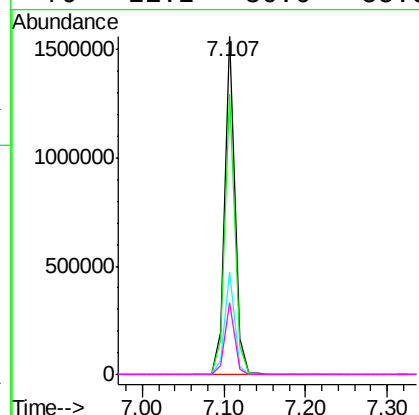
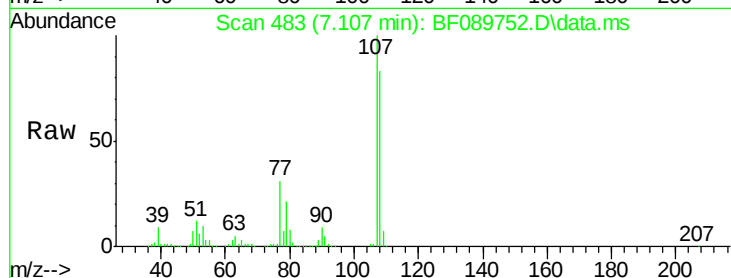
Ion Ratio Lower Upper

107 100

108 82.8 91.0 136.4#

77 30.5 37.4 56.0#

79 21.2 36.6 55.0#



#19

n-Nitroso-di-n-propylamine

Concen: 3.85 ng

RT: 7.256 min Scan# 496

Delta R.T. 0.126 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion: 70 Resp: 99357

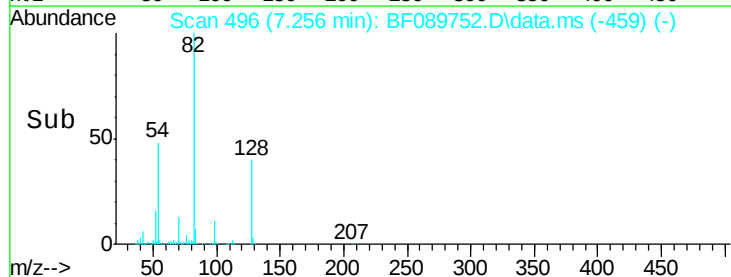
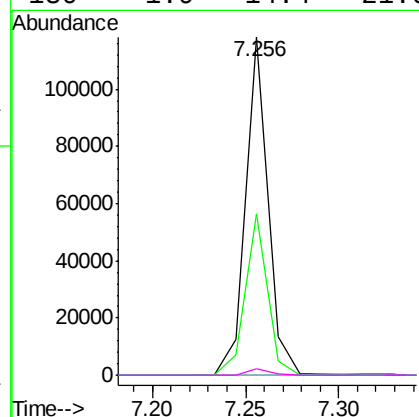
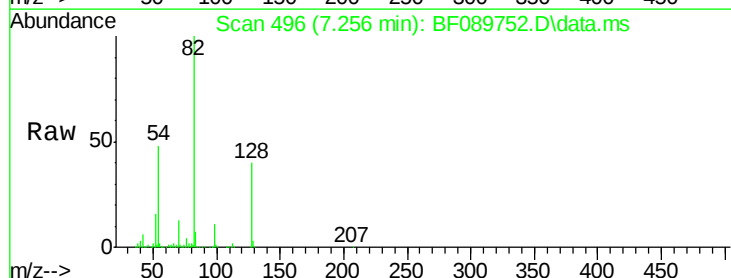
Ion Ratio Lower Upper

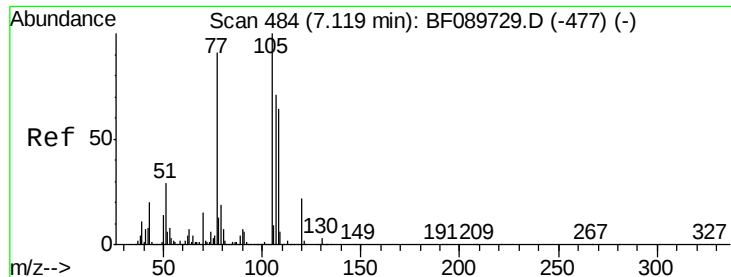
70 100

42 47.9 46.3 69.5

101 0.0 7.0 10.6#

130 1.9 14.4 21.6#





#20

3+4-Methylphenols

Concen: 35.66 ng

RT: 7.107 min Scan# 48

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

Tot Ion:107 Resp: 1337847

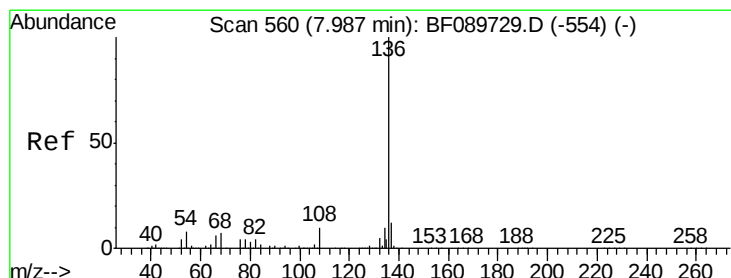
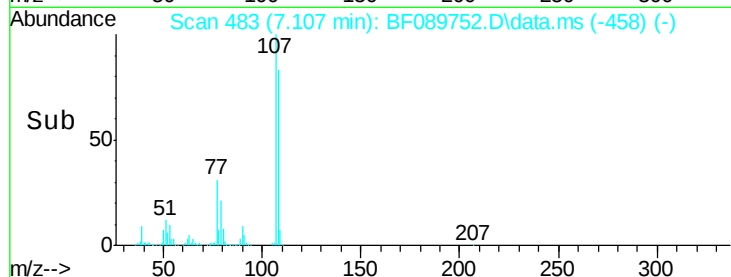
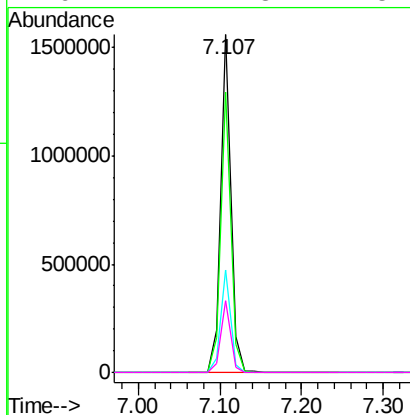
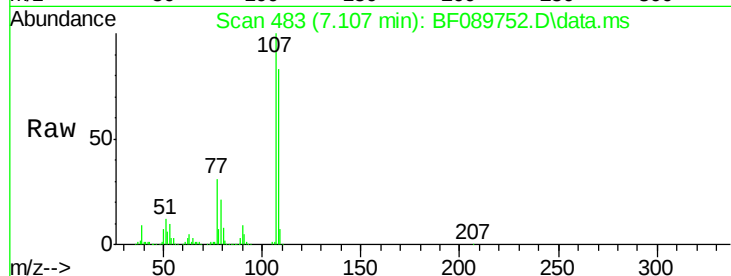
Ion Ratio Lower Upper

107 100

108 82.8 68.2 108.2

77 30.5 122.3 162.3#

79 21.2 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: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion:136 Resp: 2604681

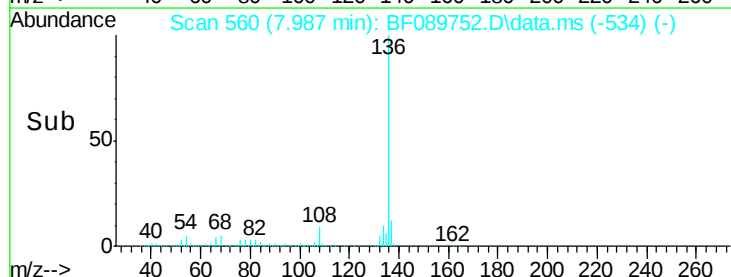
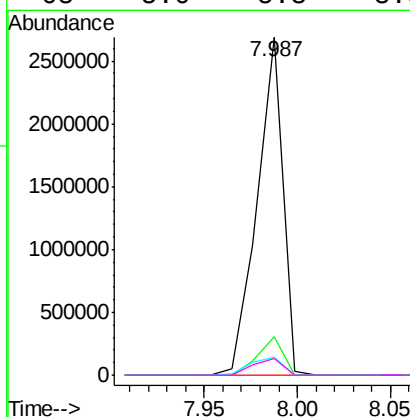
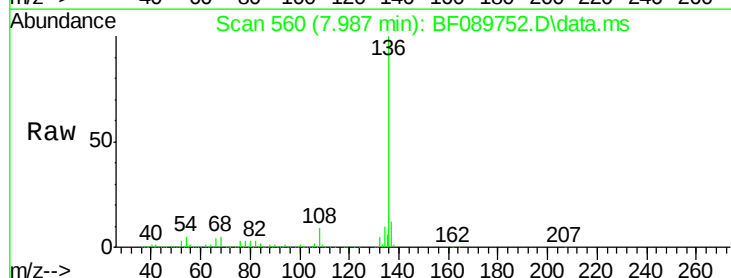
Ion Ratio Lower Upper

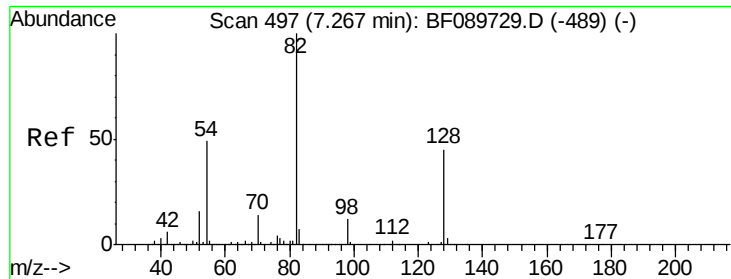
136 100

137 11.5 9.2 13.8

54 5.5 7.2 10.8#

68 5.0 5.8 8.8#

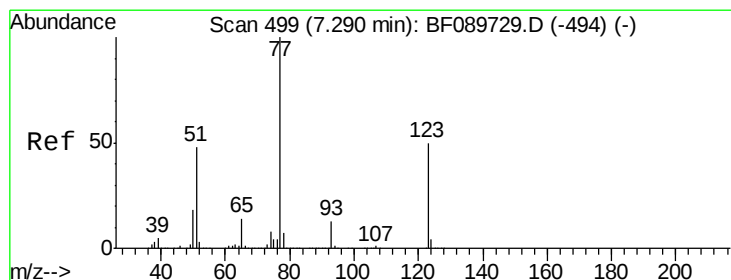
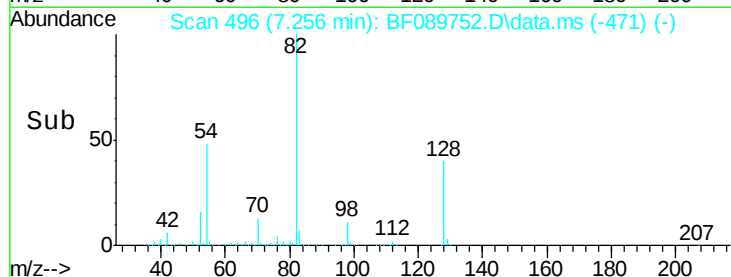
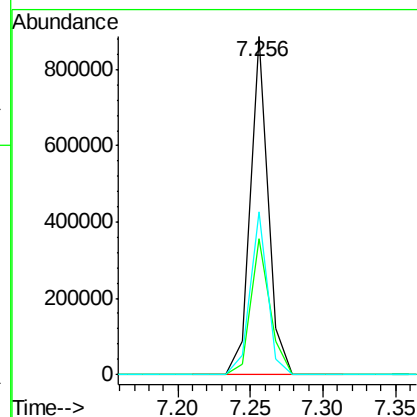
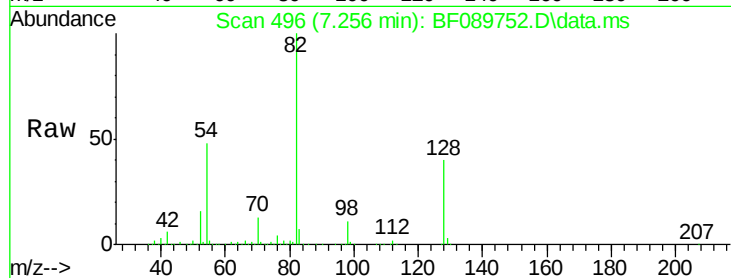




#23
 Nitrobenzene-d5
 Concen: 17.67 ng
 RT: 7.256 min Scan# 49
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

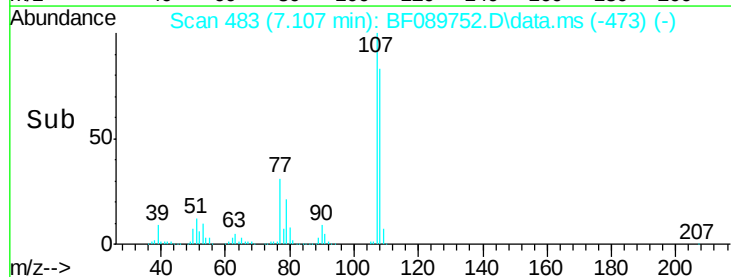
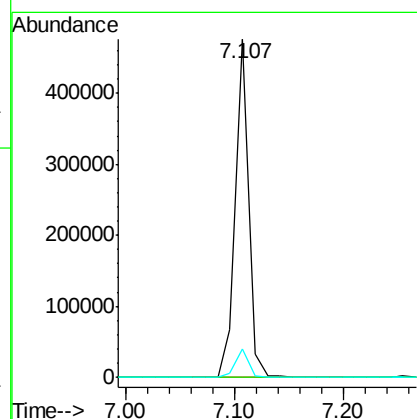
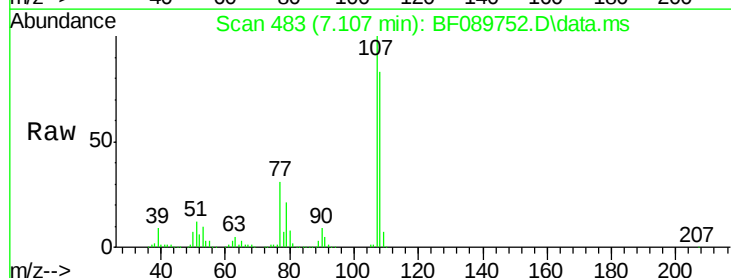
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 9535DL

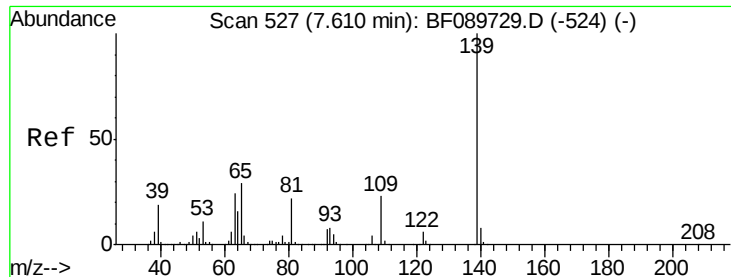
Tot Ion	82	Resp	753890
Ion Ratio	100	Lower	Upper
128	40.2	34.4	51.6
54	48.2	40.3	60.5



#24
 Nitrobenzene
 Concen: 8.35 ng
 RT: 7.107 min Scan# 483
 Delta R.T. -0.183 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	77	Resp	400794
Ion Ratio	100	Lower	Upper
123	0.0	36.2	54.2#
65	8.3	10.6	15.8#

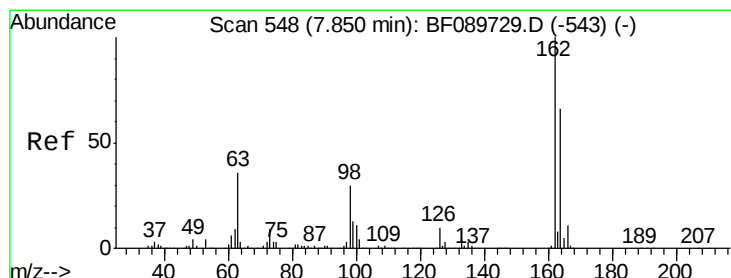
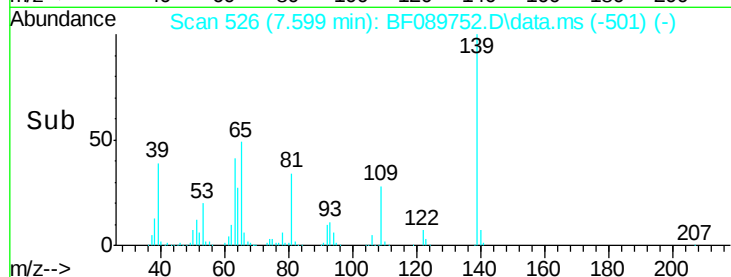
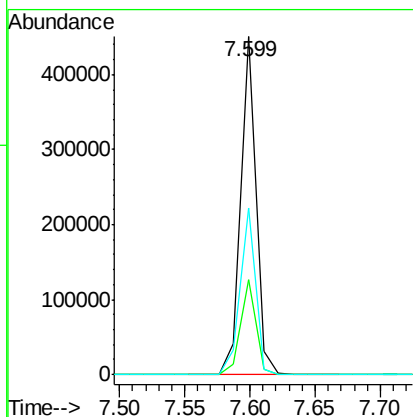
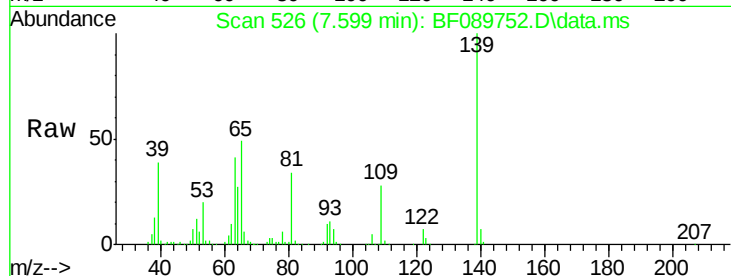




#26
 2-Nitrophenol
 Concen: 15.96 ng
 RT: 7.599 min Scan# 527
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

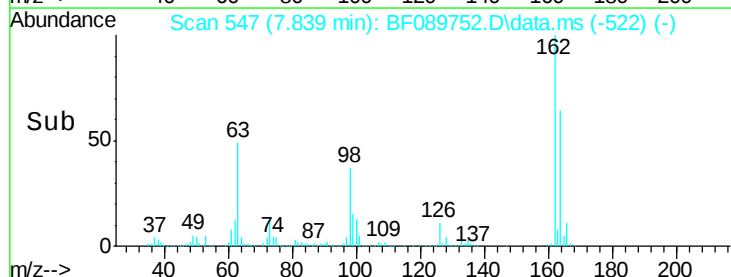
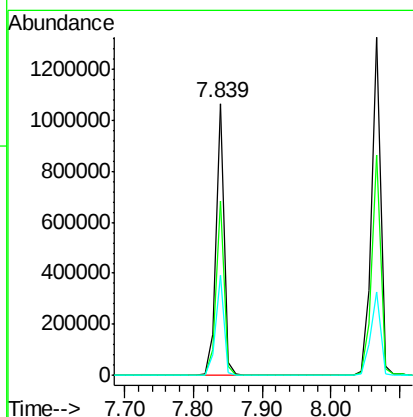
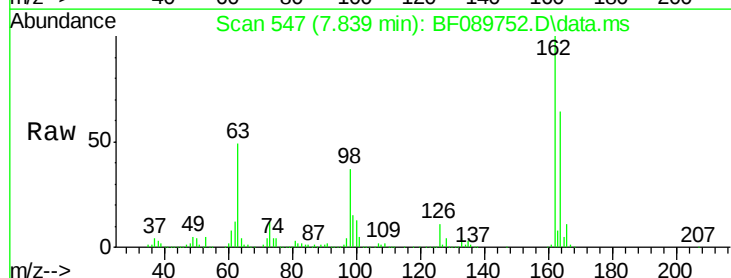
Instrument :
 BNA_F
 ClientSampleId :
 9535DL

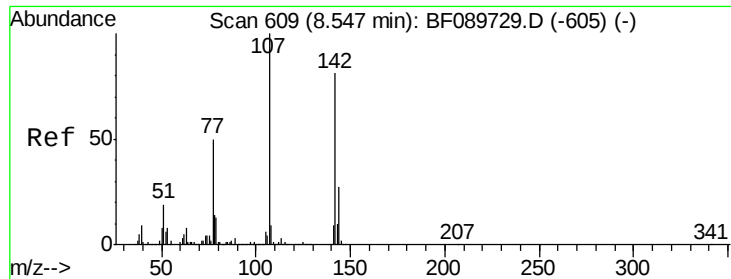
Tot Ion	Ratio	Lower	Upper
139	100		
109	28.1	19.5	29.3
65	49.1	26.5	39.7



#29
 2,4-Dichlorophenol
 Concen: 25.12 ng
 RT: 7.839 min Scan# 547
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.0	45.5	85.5
98	36.7	12.4	52.4

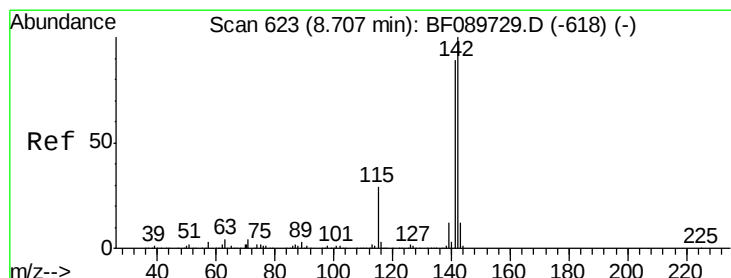
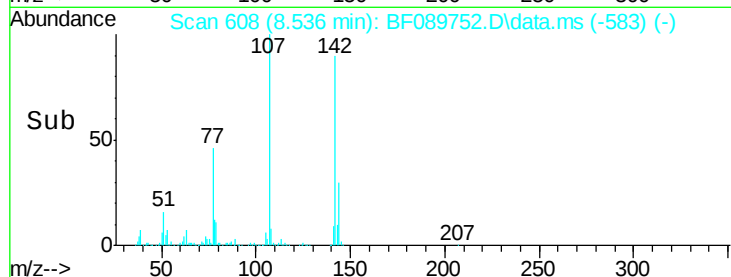
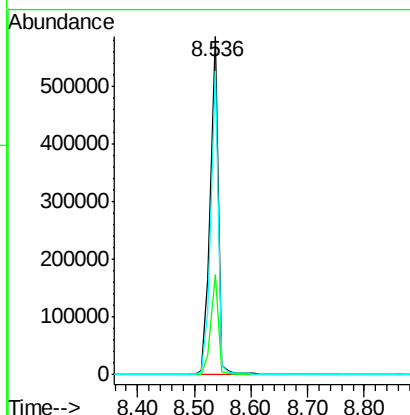
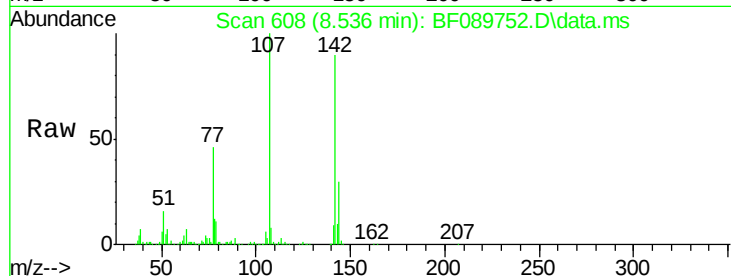




#36
 4-Chloro-3-methylphenol
 Concen: 14.08 ng
 RT: 8.536 min Scan# 608
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

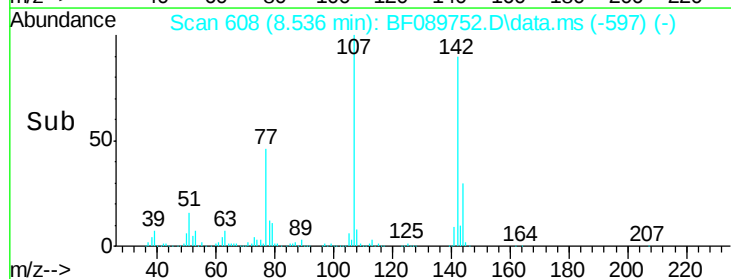
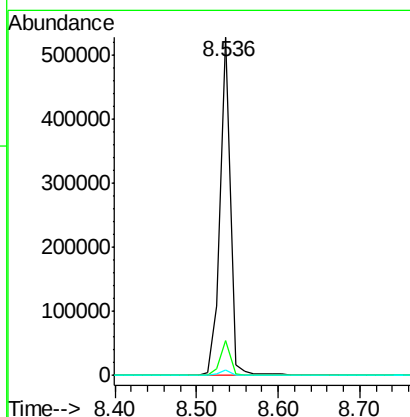
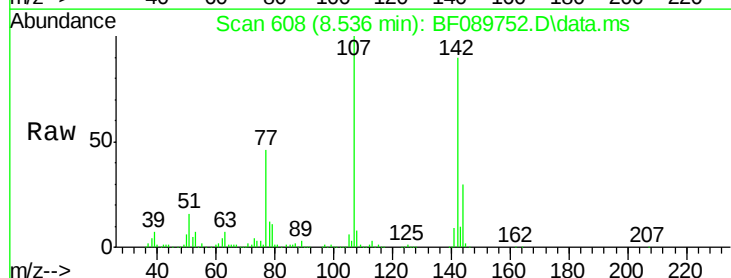
Instrument :
 BNA_F
 ClientSampleId :
 9535DL

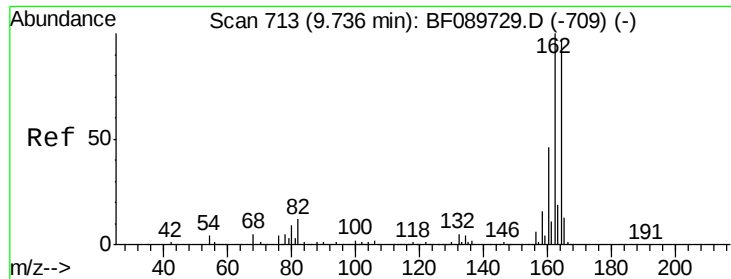
Tot Ion	Ratio	Lower	Upper
107	100		
144	29.5	22.6	34.0
142	89.8	69.3	103.9



#37
 2-Methylnaphthalene
 Concen: 5.78 ng
 RT: 8.536 min Scan# 608
 Delta R.T. -0.171 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	10.3	71.4	107.2#
115	1.4	22.7	34.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.736 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

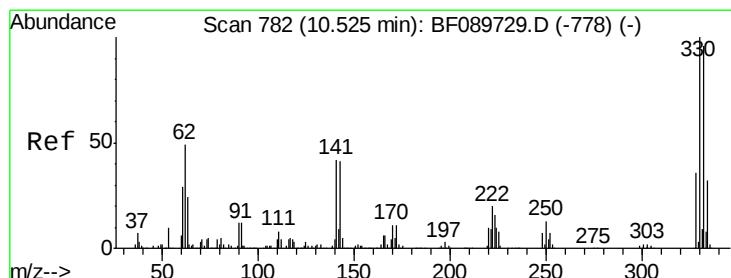
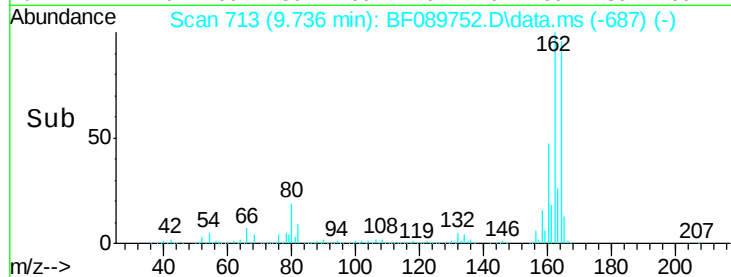
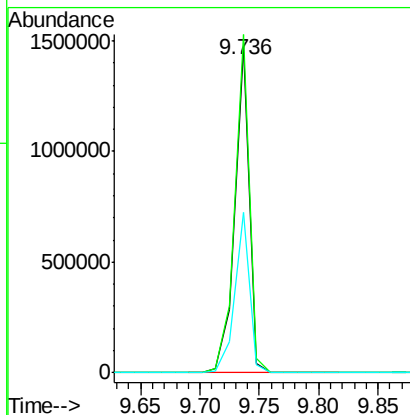
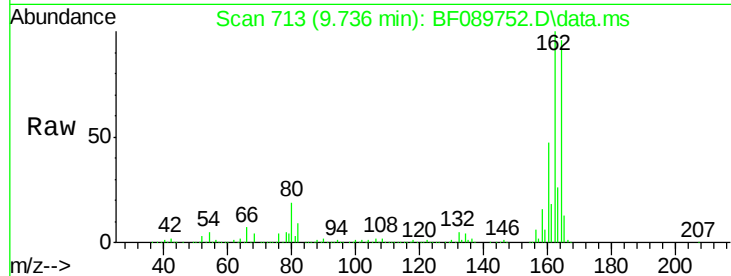
Tot Ion:164 Resp: 1247513

Ion Ratio Lower Upper

164 100

162 104.0 81.4 122.2

160 49.3 37.8 56.6



#41

2,4,6-Tribromophenol

Concen: 29.98 ng

RT: 10.513 min Scan# 781

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

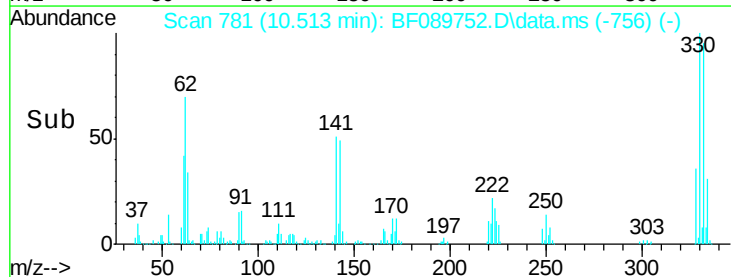
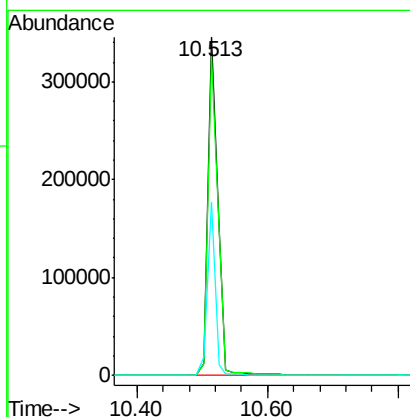
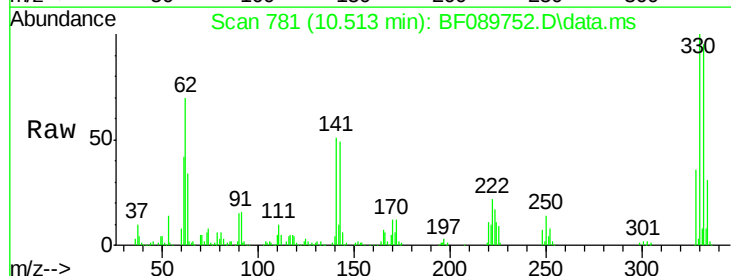
Tgt Ion:330 Resp: 361871

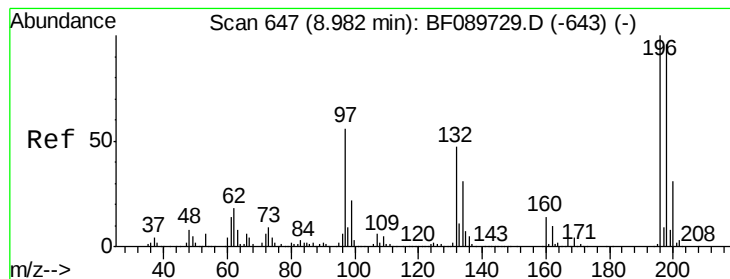
Ion Ratio Lower Upper

330 100

332 96.0 76.7 115.1

141 40.7 30.2 45.2





#42

2,4,6-Trichlorophenol

Concen: 41.79 ng

RT: 8.970 min Scan# 64

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

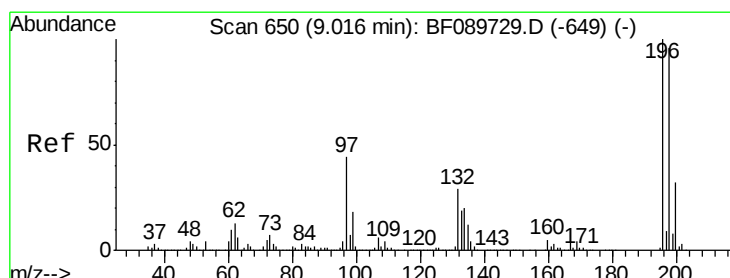
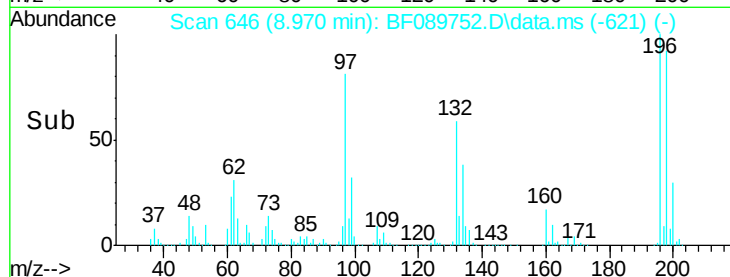
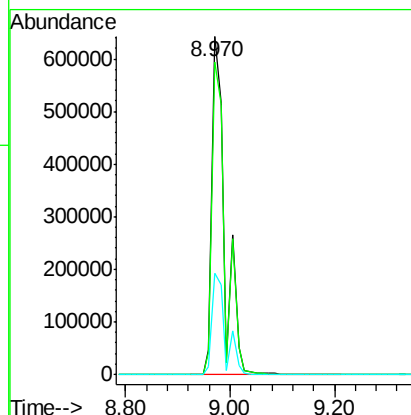
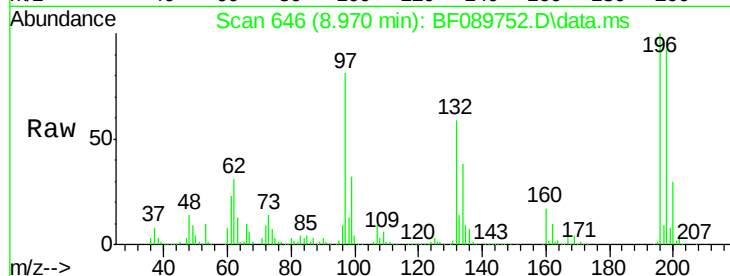
Tot Ion:196 Resp: 1082743

Ion Ratio Lower Upper

196 100

198 92.5 76.3 114.5

200 30.1 24.6 36.8



#43

2,4,5-Trichlorophenol

Concen: 43.83 ng

RT: 8.970 min Scan# 646

Delta R.T. -0.046 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion:196 Resp: 1082743

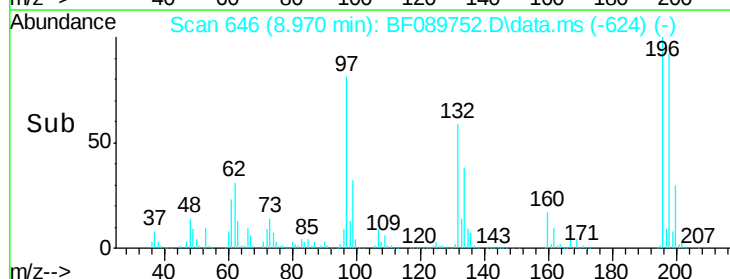
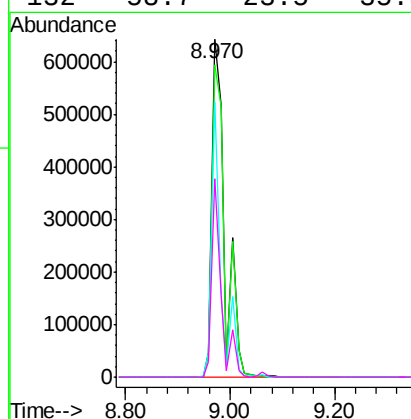
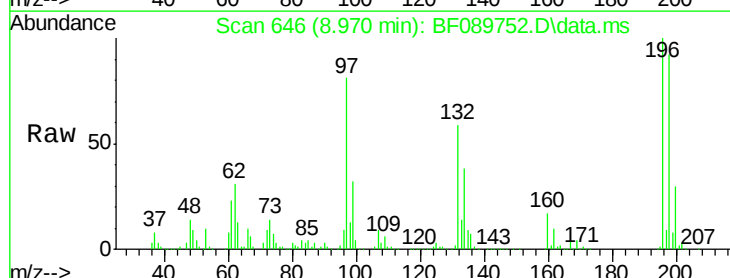
Ion Ratio Lower Upper

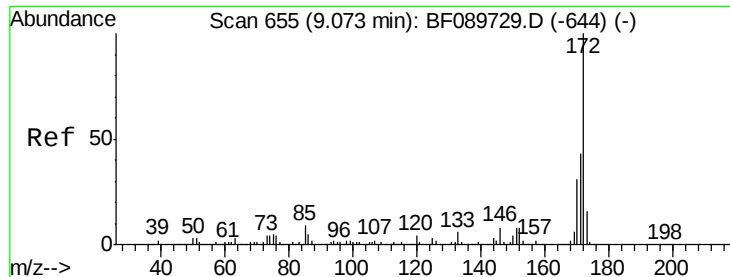
196 100

198 92.5 76.6 114.8

97 81.4 35.8 53.8#

132 58.7 23.5 35.3#





#44

2-Fluorobiphenyl

Concen: 20.05 ng

RT: 9.062 min Scan# 65

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

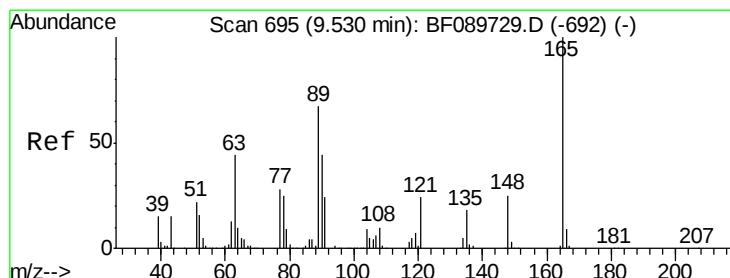
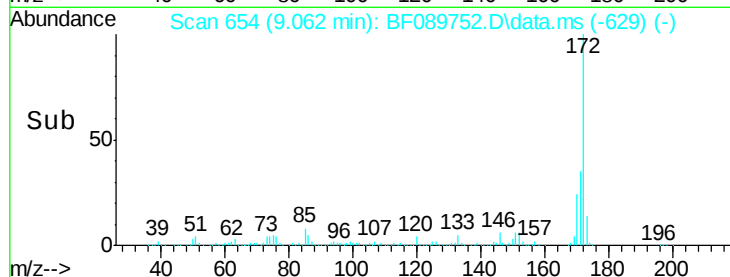
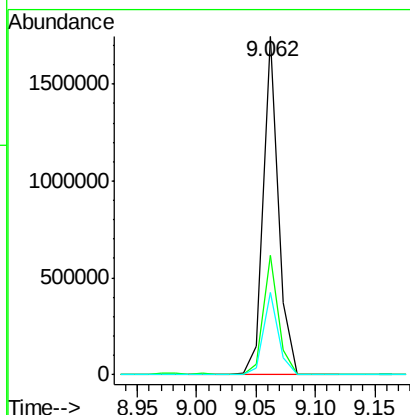
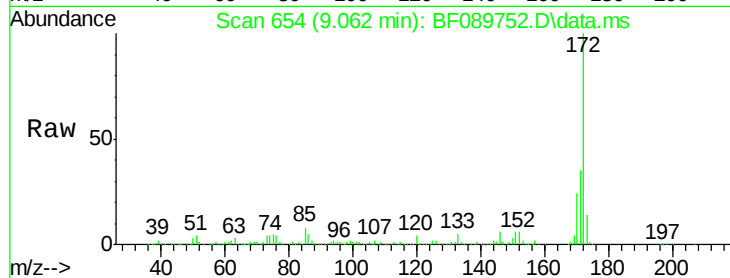
Tot Ion:172 Resp: 1559012

Ion Ratio Lower Upper

172 100

171 35.3 30.5 45.7

170 24.3 20.6 31.0



#50

2,6-Dinitrotoluene

Concen: 8.04 ng

RT: 9.736 min Scan# 713

Delta R.T. 0.206 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

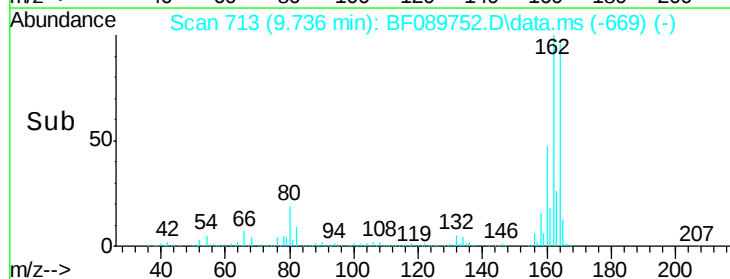
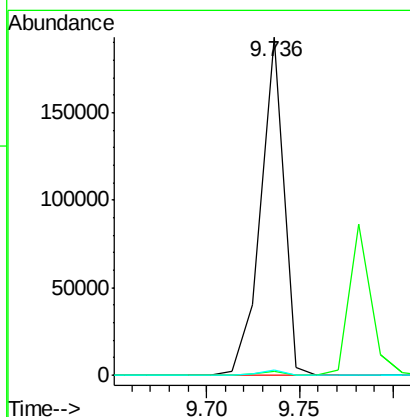
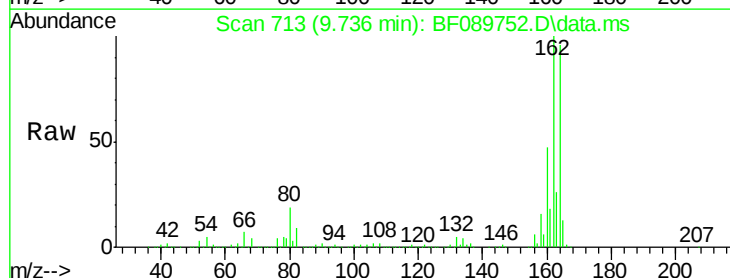
Tgt Ion:165 Resp: 164311

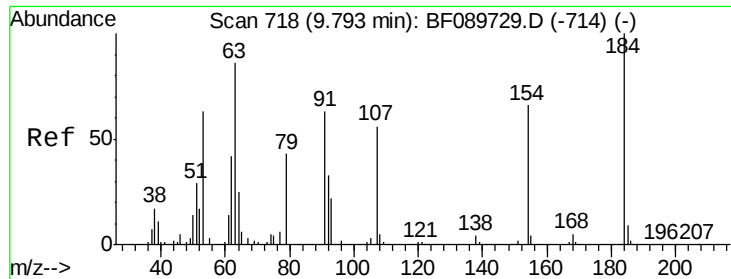
Ion Ratio Lower Upper

165 100

63 1.1 41.7 62.5#

89 1.4 44.6 67.0#

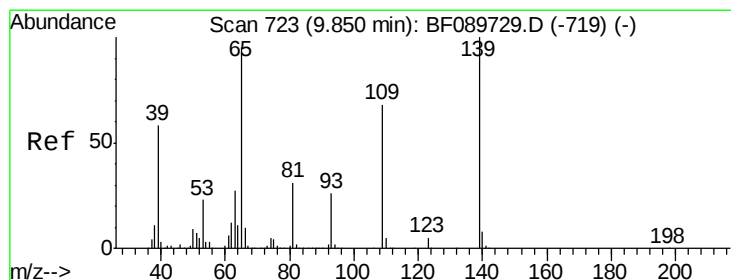
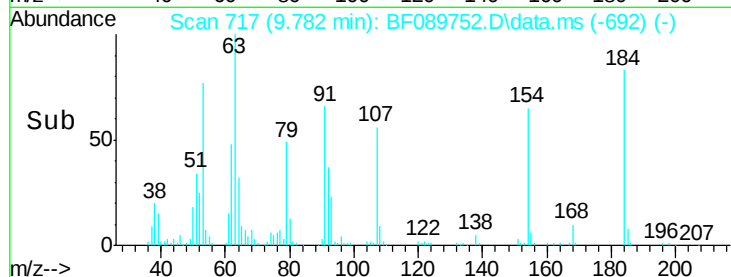
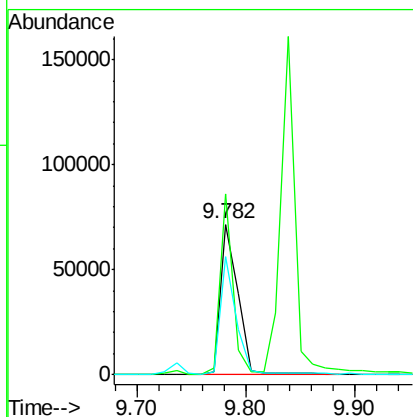
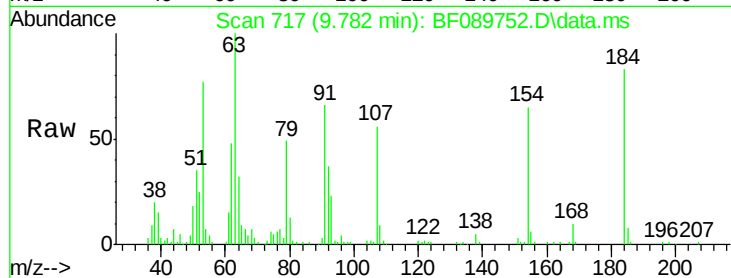




#53
 2,4-Dinitrophenol
 Concen: 10.39 ng
 RT: 9.782 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

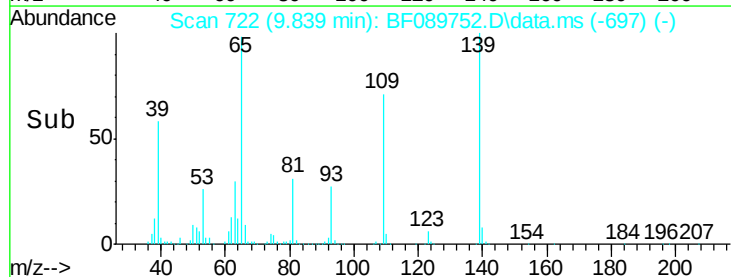
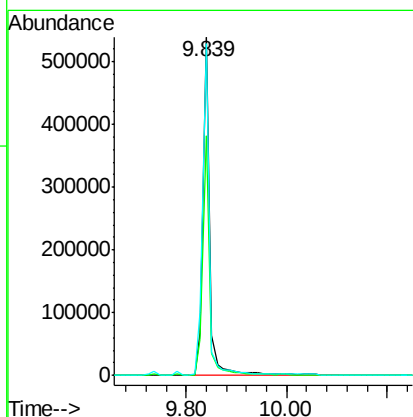
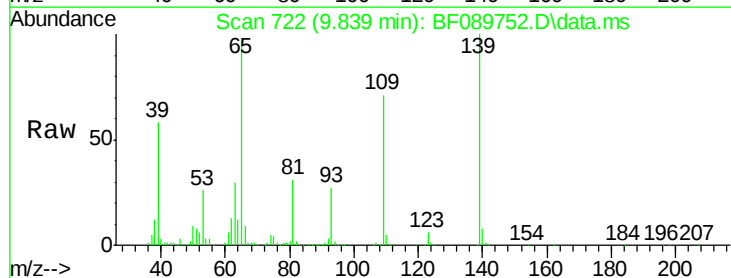
Instrument :
 BNA_F
 ClientSampleId :
 9535DL

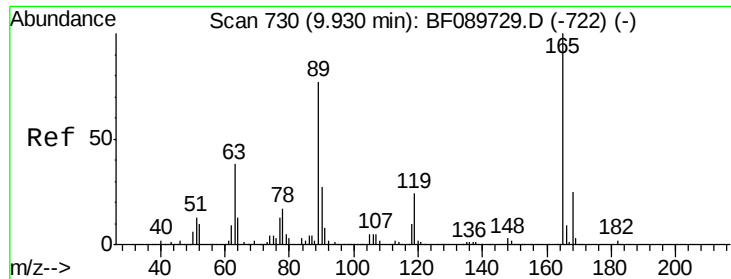
Tot Ion:184 Resp: 80266
 Ion Ratio Lower Upper
 184 100
 63 120.0 54.2 81.4#
 154 78.0 52.7 79.1



#55
 4-Nitrophenol
 Concen: 28.12 ng
 RT: 9.839 min Scan# 722
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion:139 Resp: 513813
 Ion Ratio Lower Upper
 139 100
 109 71.0 43.0 83.0
 65 98.2 55.7 95.7#

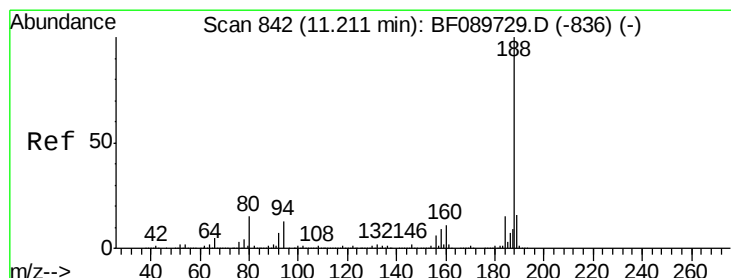
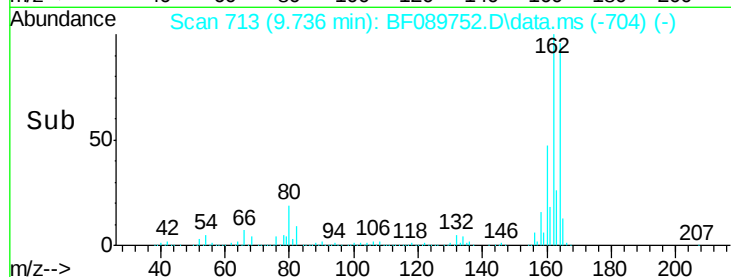
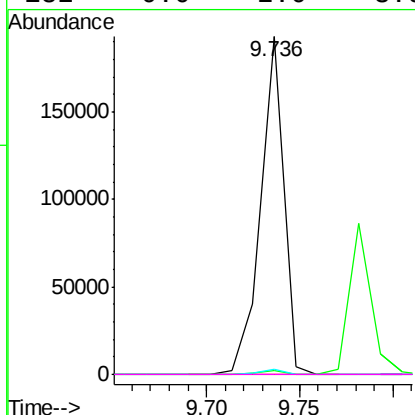
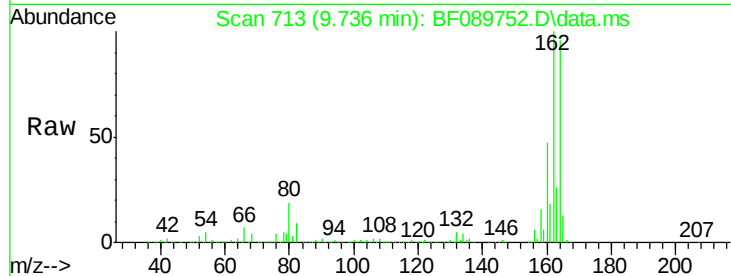




#56
2,4-Dinitrotoluene
Concen: 6.26 ng
RT: 9.736 min Scan# 71
Delta R.T. -0.194 min
Lab File: BF089752.D
Acq: 17 Aug 2016 9:33

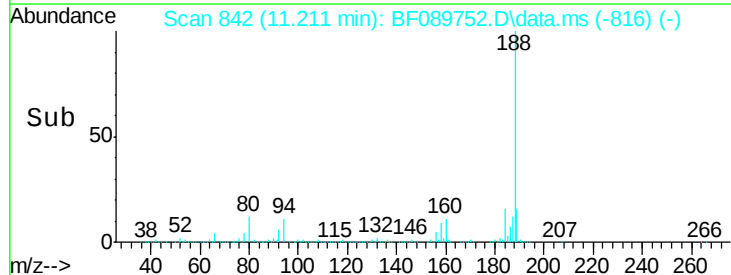
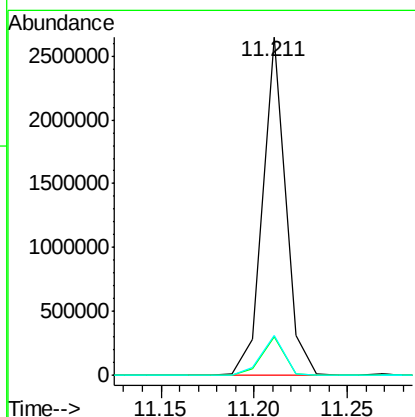
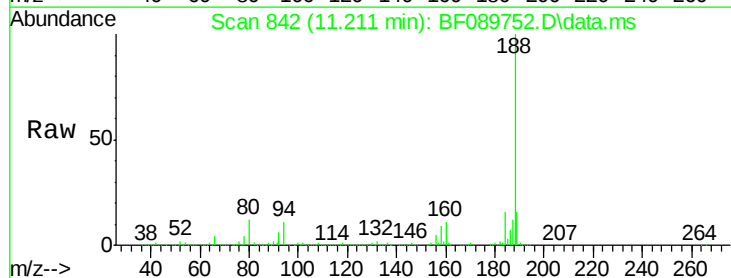
Instrument :
BNA_F
ClientSampleId :
9535DL

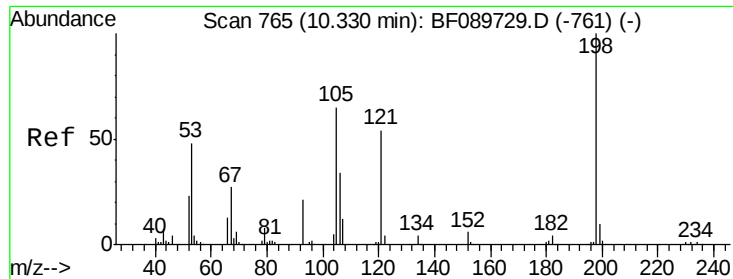
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	23.7	35.5#
89	1.4	44.0	66.0#
182	0.0	2.0	3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.211 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF089752.D
Acq: 17 Aug 2016 9:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	10.2	15.2
80	11.9	10.9	16.3

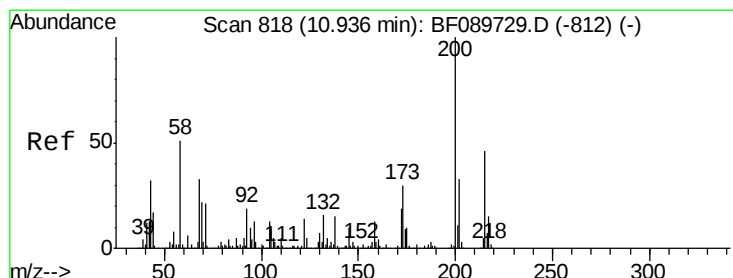
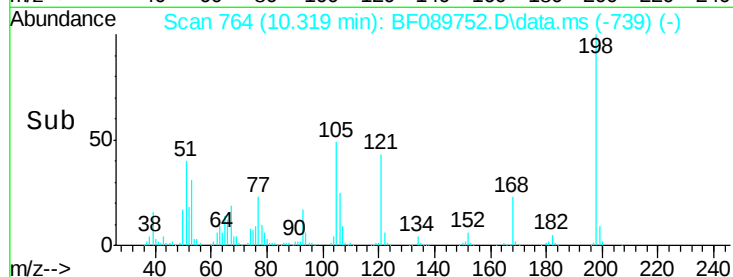
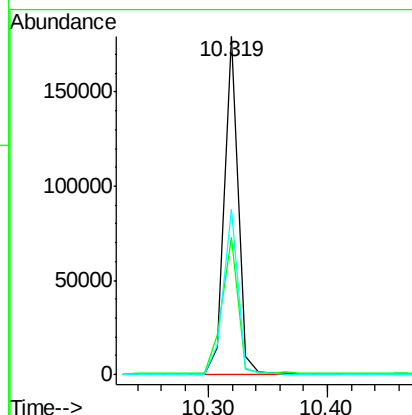
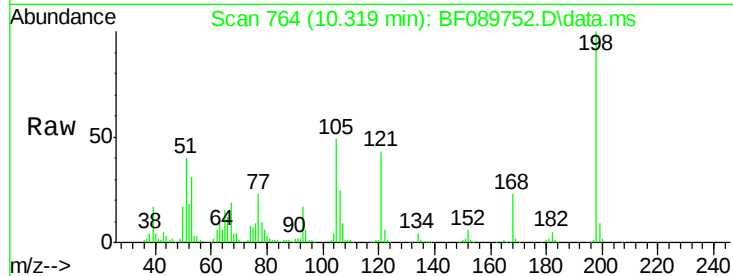




#64
 4,6-Dinitro-2-methylphenol
 Concen: 10.95 ng
 RT: 10.319 min Scan# 76
 Delta R.T. -0.011 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

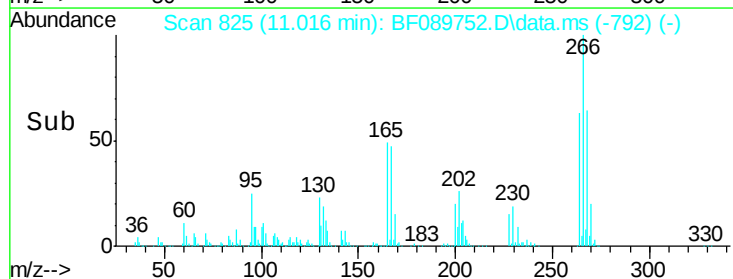
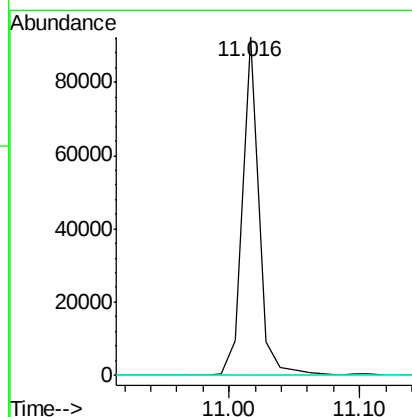
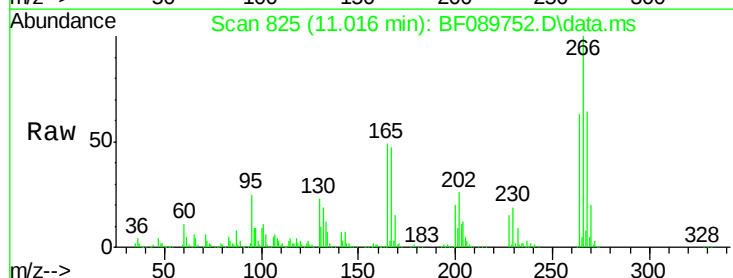
Instrument :
 BNA_F
 ClientSampleId :
 9535DL

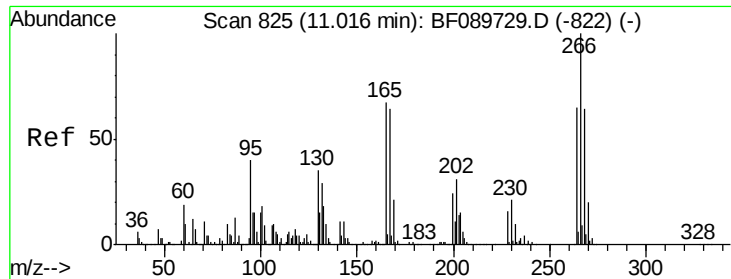
Tot Ion	198	Resp	142361
Ion Ratio	100	Lower	Upper
51	40.4	32.3	72.3
105	48.8	32.9	72.9



#68
 Atrazine
 Concen: 3.74 ng
 RT: 11.016 min Scan# 825
 Delta R.T. 0.080 min
 Lab File: BF089752.D
 Acq: 17 Aug 2016 9:33

Tgt Ion	200	Resp	79706
Ion Ratio	100	Lower	Upper
173	0.0	6.6	46.6#
215	0.0	24.7	64.7#





#69

Pentachlorophenol

Concen: 26.04 ng

RT: 11.016 min Scan# 82

Delta R.T. 0.000 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

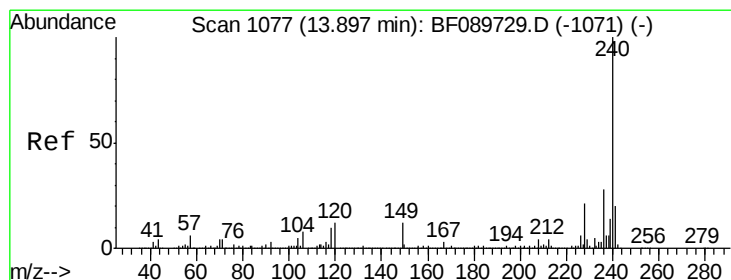
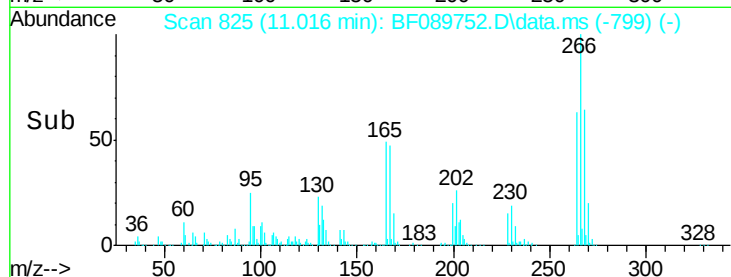
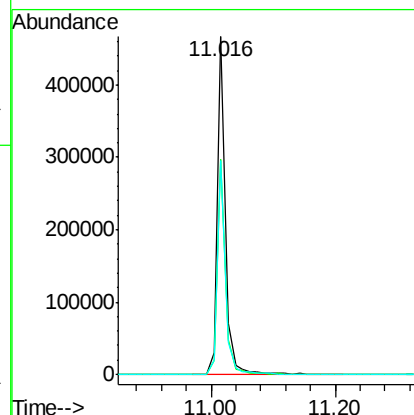
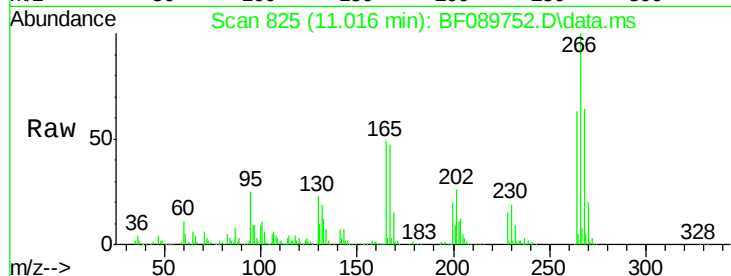
Tot Ion:266 Resp: 418248

Ion Ratio Lower Upper

266 100

268 63.8 53.2 79.8

264 63.3 51.1 76.7



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.851 min Scan# 1073

Delta R.T. -0.046 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

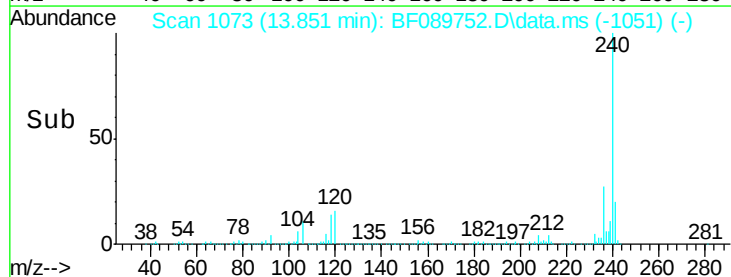
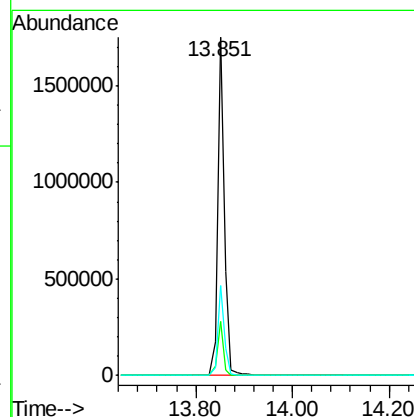
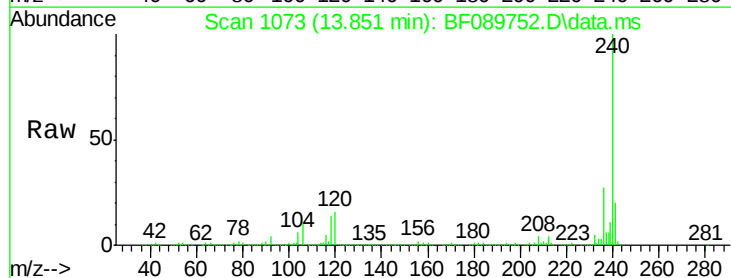
Tgt Ion:240 Resp: 1741435

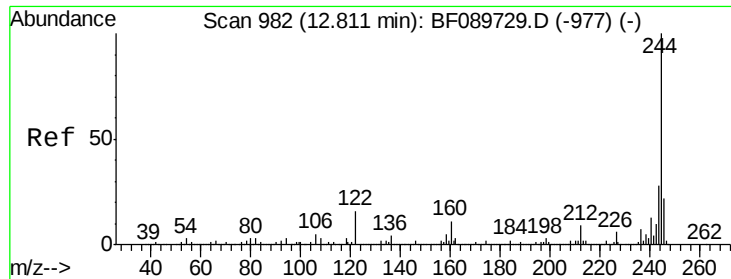
Ion Ratio Lower Upper

240 100

120 15.8 8.3 12.5#

236 26.7 21.3 31.9





#78

Terphenyl-d14

Concen: 27.80 ng

RT: 12.799 min Scan# 98

Delta R.T. -0.011 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Instrument :

BNA_F

ClientSampleId :

9535DL

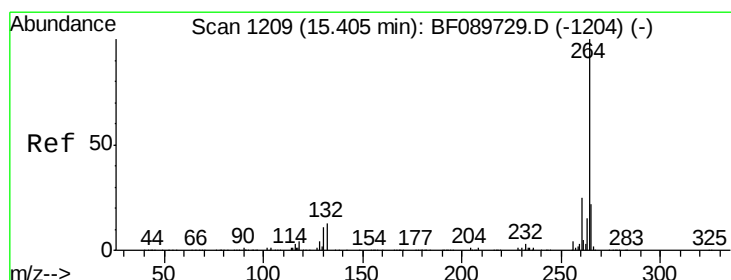
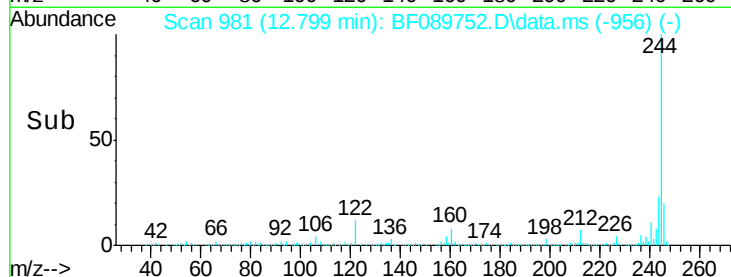
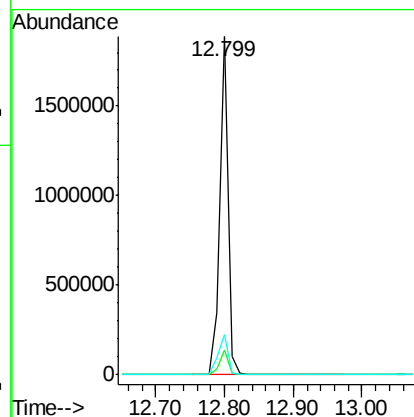
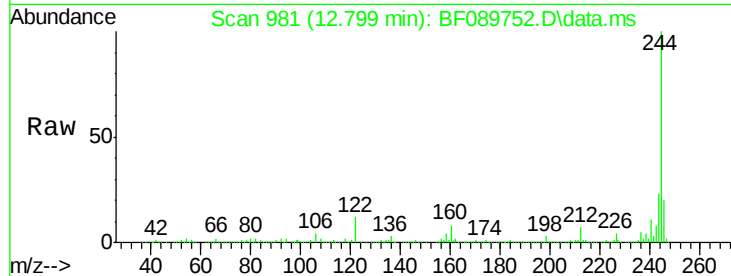
Tot Ion:244 Resp: 1620240

Ion Ratio Lower Upper

244 100

212 7.2 6.3 9.5

122 12.0 12.0 18.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.302 min Scan# 1200

Delta R.T. -0.103 min

Lab File: BF089752.D

Acq: 17 Aug 2016 9:33

Tgt Ion:264 Resp: 1445133

Ion Ratio Lower Upper

264 100

260 24.0 20.2 30.2

265 22.2 17.4 26.2

