

Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
 Data File : BF089356.D
 Acq On : 28 Jul 2016 9:51
 Operator : UM/SJ
 Sample : H4155-17MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

Quant Time: Jul 28 11:31:57 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:12:17 2016
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.547	152	46763	20.00	ng	0.00
21) Naphthalene-d8	7.827	136	200807	20.00	ng	0.00
38) Acenaphthene-d10	9.576	164	96551	20.00	ng	0.00
63) Phenanthrene-d10	11.051	188	184462	20.00	ng	0.00
75) Chrysene-d12	13.668	240	129117	20.00	ng	0.00
86) Perylene-d12	15.005	264	99745	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.141	112	358620	122.45	ng	0.03
7) Phenol-d6	6.216	99	455657	117.73	ng	0.01
23) Nitrobenzene-d5	7.119	82	343081	100.85	ng	0.00
41) 2,4,6-Tribromophenol	10.365	330	110080	137.66	ng	0.00
44) 2-Fluorobiphenyl	8.913	172	658101	100.03	ng	0.00
78) Terphenyl-d14	12.628	244	540009	97.89	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.158	88	45304	33.58	ng	# 83
3) Pyridine	2.741	79	54282	18.94	ng	99
4) n-Nitrosodimethylamine	2.684	42	48051	41.90	ng	95
6) Aniline	6.227	93	73036	17.48	ng	# 1
8) 2-Chlorophenol	6.330	128	154678	46.69	ng	86
9) Benzaldehyde	6.090	77	45748	24.21	ng	95
10) Phenol	6.227	94	177336	41.52	ng	88
11) bis(2-Chloroethyl)ether	6.296	93	187239	51.60	ng	94
12) 1,3-Dichlorobenzene	6.479	146	144006	41.56	ng	96
13) 1,4-Dichlorobenzene	6.559	146	157323	41.14	ng	98
14) 1,2-Dichlorobenzene	6.719	146	150249	41.94	ng	99
15) Benzyl Alcohol	6.707	79	129873	54.07	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.844	45	179104	45.25	ng	90
17) 2-Methylphenol	6.833	107	119692	46.75	ng	96
18) Hexachloroethane	7.050	117	59740	40.75	ng	96
19) n-Nitroso-di-n-propyla...	6.982	70	126695	54.28	ng	93
20) 3+4-Methylphenols	6.993	107	154265	46.91	ng	89
22) Acetophenone	6.970	105	212259	44.40	ng	98
24) Nitrobenzene	7.142	77	175098	45.22	ng	99
25) Isophorone	7.382	82	332905	48.58	ng	98
26) 2-Nitrophenol	7.462	139	79574	45.97	ng	97
27) 2,4-Dimethylphenol	7.507	122	127458	46.22	ng	96
28) bis(2-Chloroethoxy)met...	7.599	93	200062	52.74	ng	99
29) 2,4-Dichlorophenol	7.702	162	127799	50.86	ng	92
30) 1,2,4-Trichlorobenzene	7.782	180	132861	46.34	ng	99
31) Naphthalene	7.850	128	519848	52.28	ng	99
32) Benzoic acid	7.679	122	75184	39.12	ng	97
33) 4-Chloroaniline	7.953	127	39345	10.39	ng	97
34) Hexachlorobutadiene	7.976	225	73033	44.47	ng	96
35) Caprolactam	8.307	113	29714	39.18	ng	94
36) 4-Chloro-3-methylphenol	8.422	107	148573	49.75	ng	94
37) 2-Methylnaphthalene	8.547	142	307906	51.39	ng	98
39) 1,2,4,5-Tetrachloroben...	8.707	216	115532	34.19	ng	99

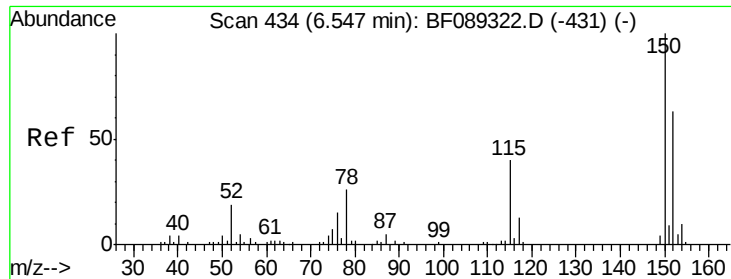
Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Hexachlorocyclopentadiene	8.696	237	93303	94.99	ng	97
42) 2,4,6-Trichlorophenol	8.833	196	83447	51.95	ng	98
43) 2,4,5-Trichlorophenol	8.879	196	105281	51.74	ng #	91
45) 1,1'-Biphenyl	9.005	154	325925	39.65	ng	100
46) 2-Chloronaphthalene	9.027	162	291306	47.18	ng	100
47) 2-Nitroaniline	9.142	65	95831	52.41	ng	94
48) Acenaphthylene	9.439	152	472214	48.56	ng	99
49) Dimethylphthalate	9.325	163	346884	47.21	ng	99
50) 2,6-Dinitrotoluene	9.382	165	73394	48.61	ng #	71
51) Acenaphthene	9.610	154	284897	50.17	ng	99
52) 3-Nitroaniline	9.553	138	43868	27.53	ng	85
53) 2,4-Dinitrophenol	9.668	184	67639	90.35	ng	94
54) Dibenzofuran	9.782	168	403204	52.11	ng	96
55) 4-Nitrophenol	9.782	139	267361	324.09	ng #	10
56) 2,4-Dinitrotoluene	9.793	165	108499	54.59	ng #	65
57) Fluorene	10.125	166	344283	50.97	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.908	232	75858	55.84	ng	95
59) Diethylphthalate	10.022	149	390775	52.46	ng	97
60) 4-Chlorophenyl-phenyle...	10.125	204	149238	48.17	ng	98
61) 4-Nitroaniline	10.170	138	72363	44.06	ng	97
62) Azobenzene	10.285	77	400323	52.18	ng	85
64) 4,6-Dinitro-2-methylph...	10.205	198	49788	45.02	ng	90
65) n-Nitrosodiphenylamine	10.250	169	293542	51.00	ng	99
66) 4-Bromophenyl-phenylether	10.605	248	91337	51.86	ng #	89
67) Hexachlorobenzene	10.662	284	85026	47.11	ng	93
68) Atrazine	10.776	200	77457	43.81	ng	97
69) Pentachlorophenol	10.868	266	88805	99.93	ng	98
70) Phenanthrene	11.073	178	478415	50.29	ng	99
71) Anthracene	11.131	178	521562	49.31	ng	100
72) Carbazole	11.291	167	469542	52.73	ng	99
73) Di-n-butylphthalate	11.633	149	583556	48.85	ng #	98
74) Fluoranthene	12.251	202	497072	49.67	ng	97
76) Benzidine	12.411	184	18934	3.97	ng	98
77) Pyrene	12.479	202	497606	50.85	ng	99
79) Butylbenzylphthalate	13.108	149	240193	53.99	ng	95
80) Benzo(a)anthracene	13.656	228	362189	49.71	ng	99
81) 3,3'-Dichlorobenzidine	13.634	252	77168	29.43	ng	96
82) Chrysene	13.702	228	374614	48.30	ng	99
83) Bis(2-ethylhexyl)phtha...	13.668	149	318636	49.54	ng	100
84) Di-n-octyl phthalate	14.274	149	507260	50.55	ng	100
85) Indeno(1,2,3-cd)pyrene	16.205	276	278742	50.55	ng	100
87) Benzo(b)fluoranthene	14.651	252	610854	98.61	ng	98
88) Benzo(k)fluoranthene	14.651	252	611583	107.39	ng	99
89) Benzo(a)pyrene	14.959	252	285524	51.38	ng #	94
90) Dibenzo(a,h)anthracene	16.217	278	235921	53.90	ng	96
91) Benzo(g,h,i)perylene	16.560	276	229403	53.31	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.547 min Scan# 43

Delta R.T. -0.000 min

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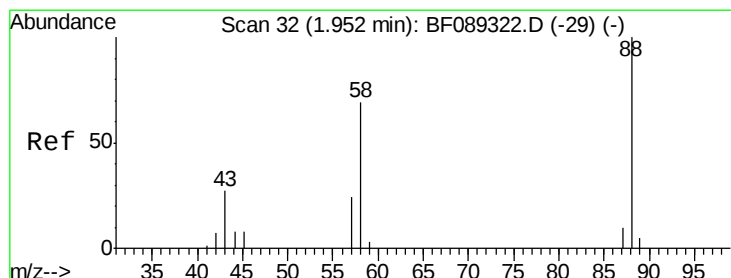
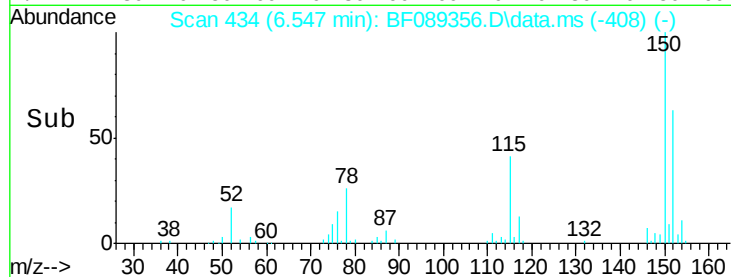
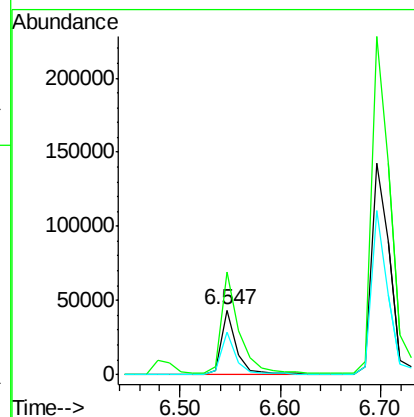
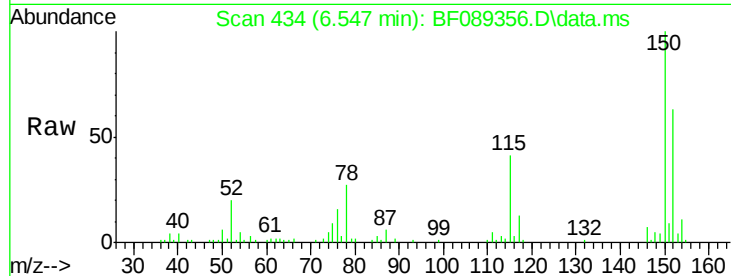
Tot Ion:152 Resp: 46763

Ion Ratio Lower Upper

152 100

150 158.0 129.5 194.3

115 65.5 51.4 77.2



#2

1,4-Dioxane

Concen: 33.58 ng

RT: 2.158 min Scan# 50

Delta R.T. 0.206 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

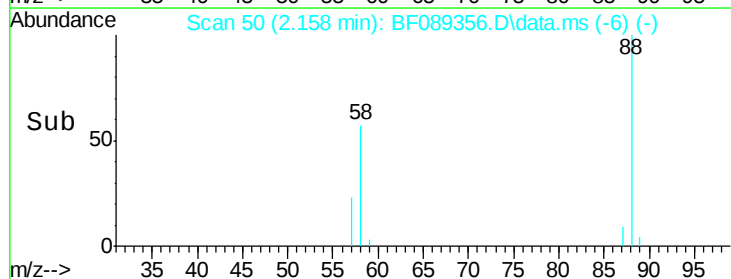
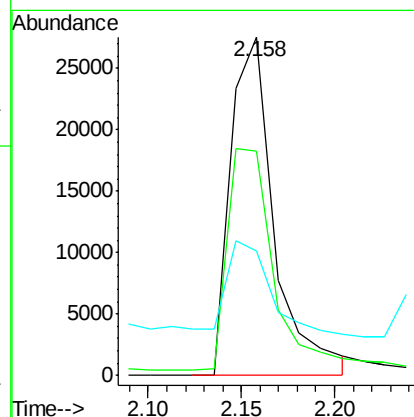
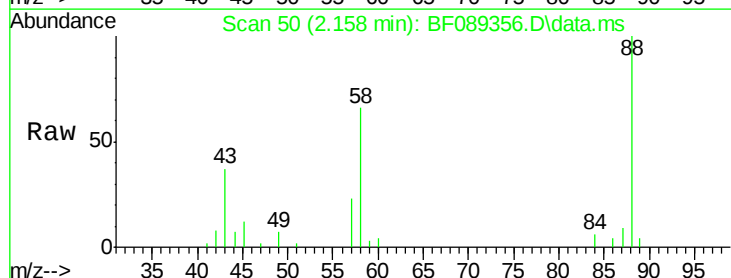
Tgt Ion: 88 Resp: 45304

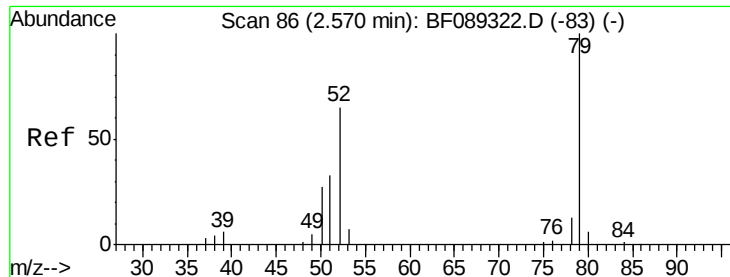
Ion Ratio Lower Upper

88 100

58 69.5 53.2 79.8

43 0.0 20.6 31.0#





#3

Pvridine

Concen: 18.94 ng

RT: 2.741 min Scan# 10

Delta R.T. 0.171 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

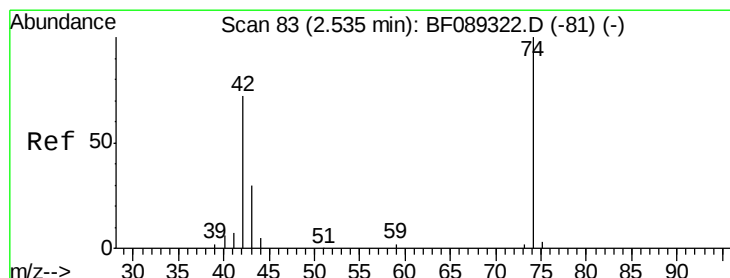
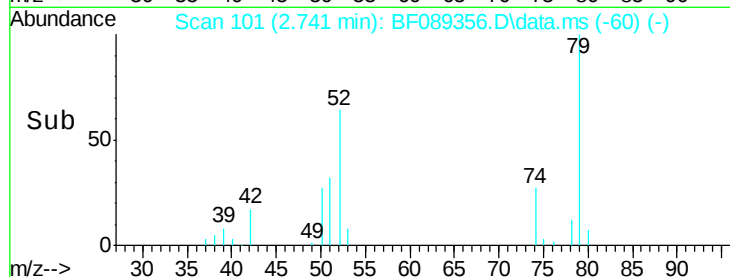
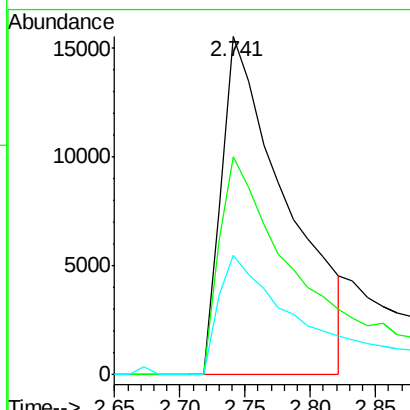
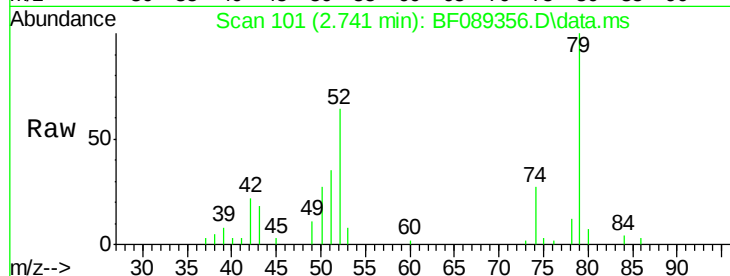
Tot Ion: 79 Resp: 54282

Ion Ratio Lower Upper

79 100

52 64.3 51.9 77.9

51 35.4 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 41.90 ng

RT: 2.684 min Scan# 96

Delta R.T. 0.149 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

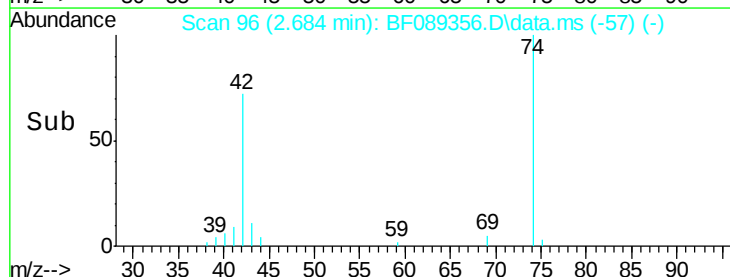
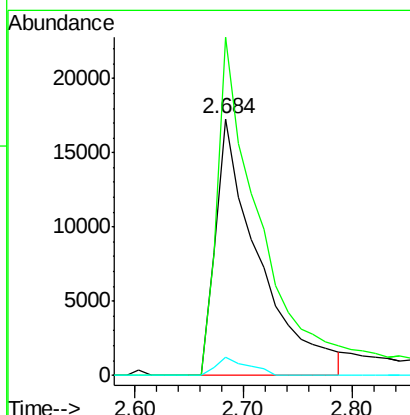
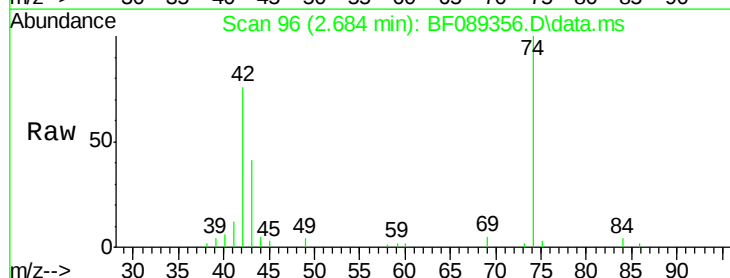
Tgt Ion: 42 Resp: 48051

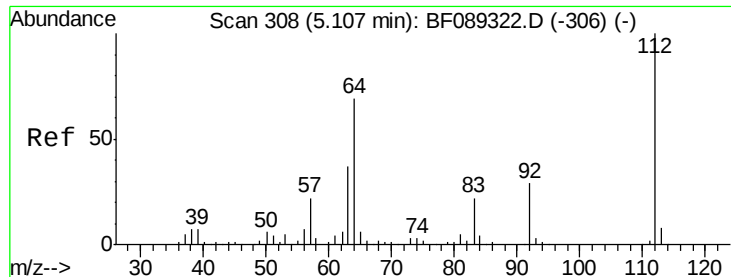
Ion Ratio Lower Upper

42 100

74 131.8 110.8 166.2

44 7.0 5.2 7.8





#5

2-Fluorophenol

Concen: 122.45 ng

RT: 5.141 min Scan# 311

Delta R.T. 0.034 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

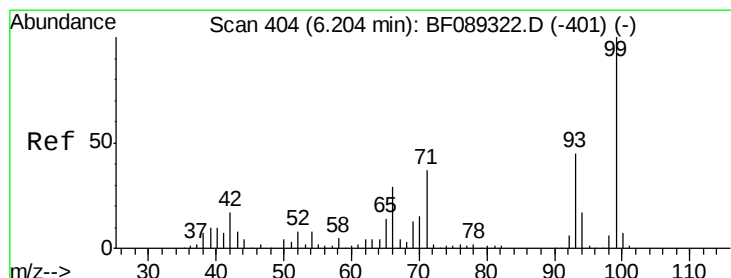
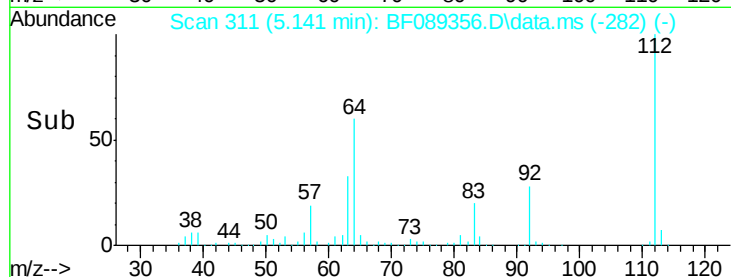
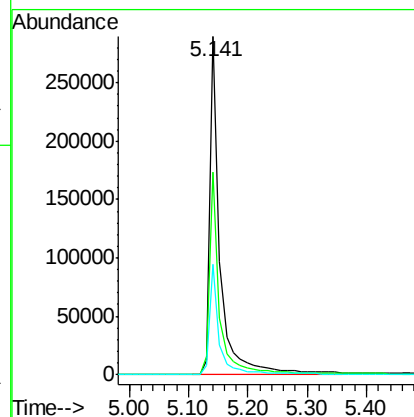
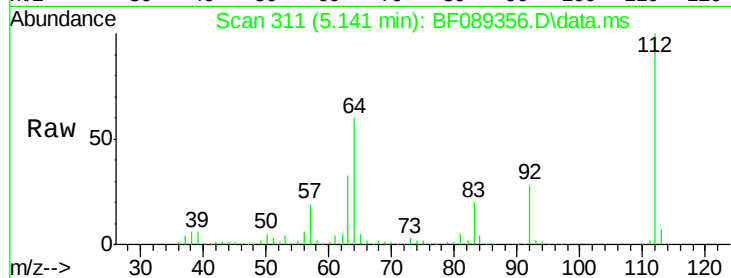
Tot Ion:112 Resp: 358620

Ion Ratio Lower Upper

112 100

64 59.8 55.0 82.6

63 32.8 29.4 44.2



#6

Aniline

Concen: 17.48 ng

RT: 6.227 min Scan# 406

Delta R.T. 0.023 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

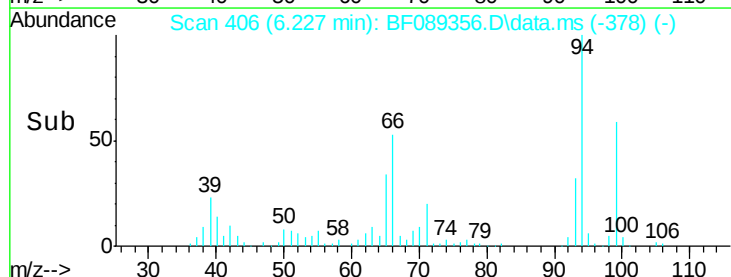
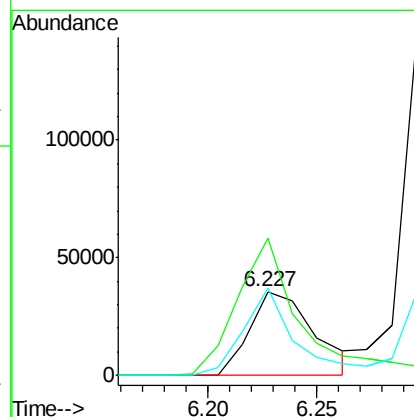
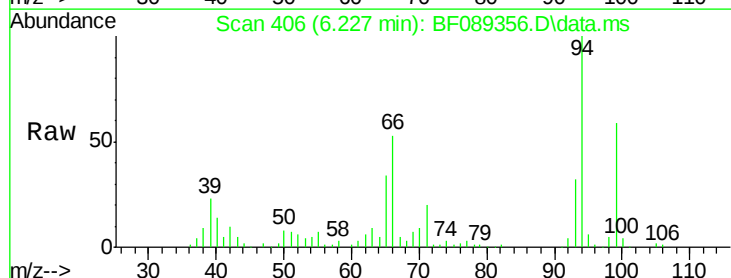
Tgt Ion: 93 Resp: 73036

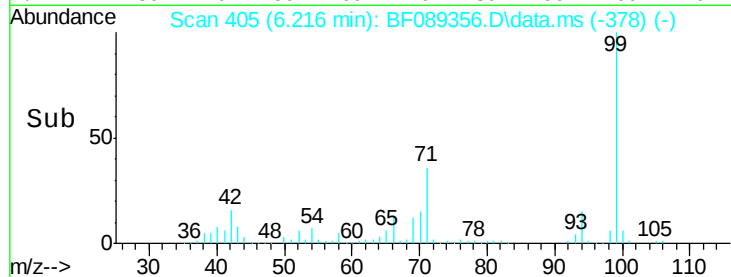
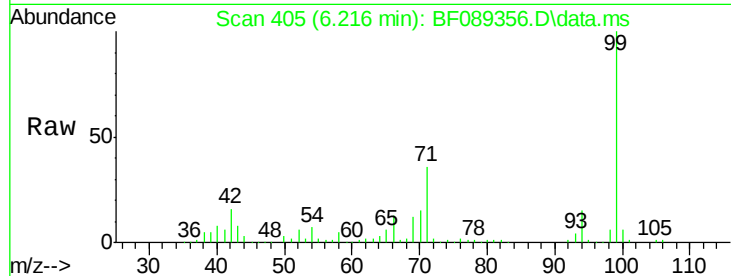
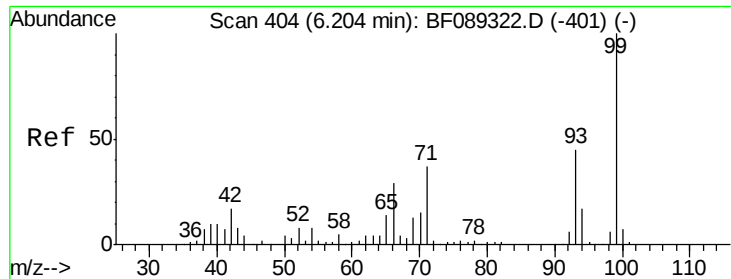
Ion Ratio Lower Upper

93 100

66 164.1 51.6 77.4#

65 103.3 24.7 37.1#





#7

Phenol-d6

Concen: 117.73 ng

RT: 6.216 min Scan# 40

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

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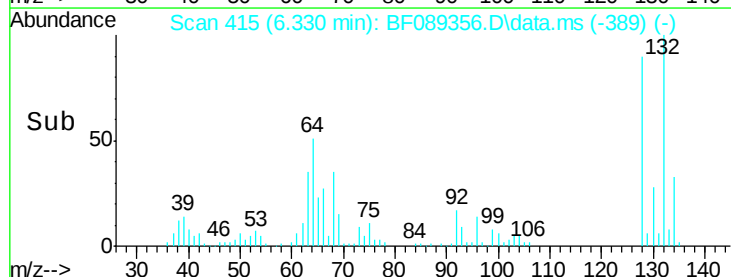
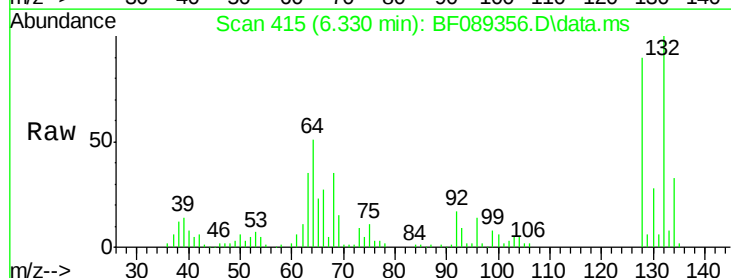
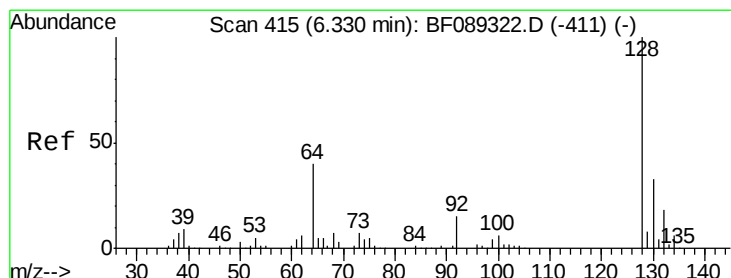
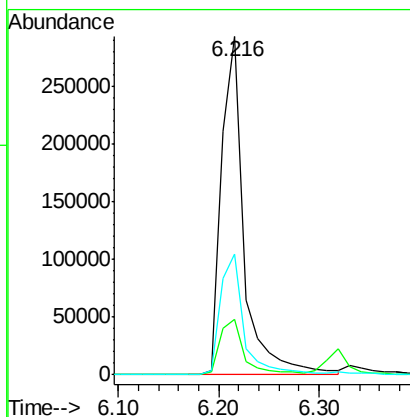
Tot Ion: 99 Resp: 455657

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

71 35.8 29.4 44.2



#8

2-Chlorophenol

Concen: 46.69 ng

RT: 6.330 min Scan# 415

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

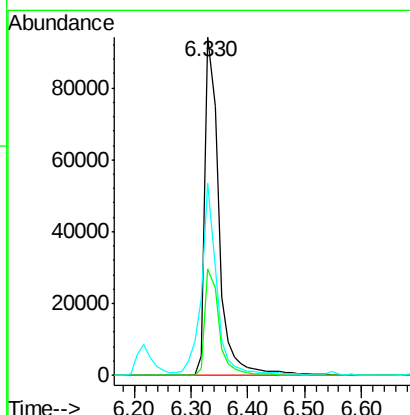
Tgt Ion:128 Resp: 154678

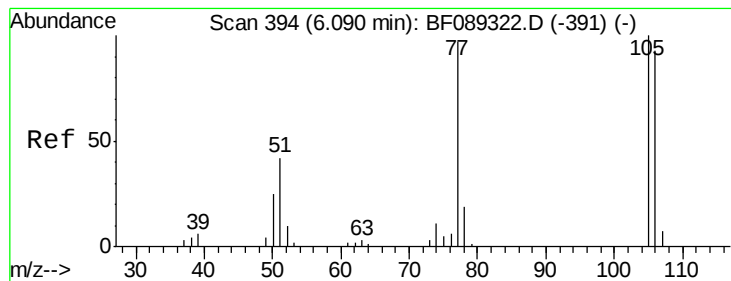
Ion Ratio Lower Upper

128 100

130 31.5 12.6 52.6

64 56.7 22.1 62.1





#9

Benzaldehyde

Concen: 24.21 ng

RT: 6.090 min Scan# 39

Delta R.T. 0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

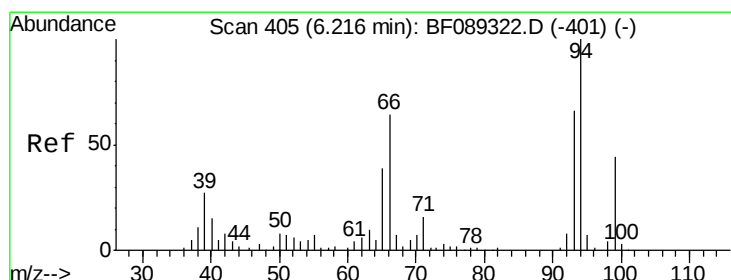
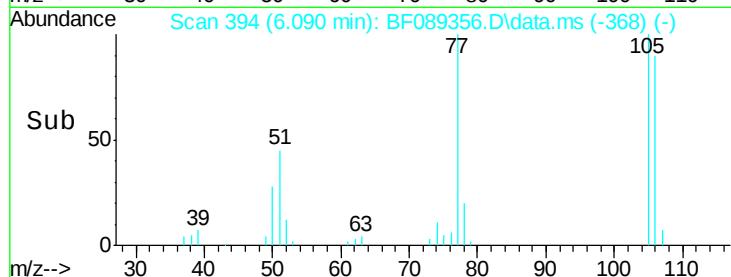
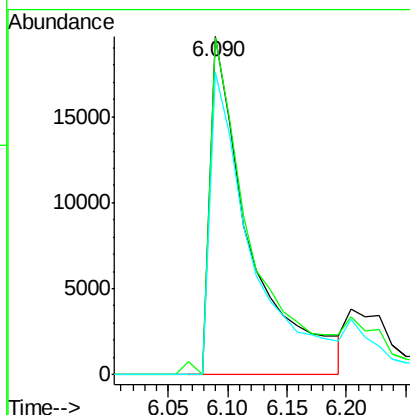
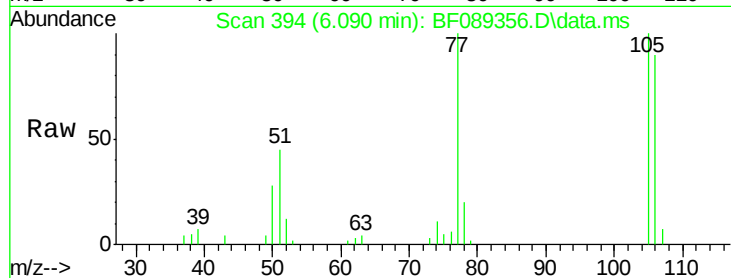
Tot Ion: 77 Resp: 45748

Ion Ratio Lower Upper

77 100

105 99.8 82.9 122.9

106 89.6 75.9 115.9



#10

Phenol

Concen: 41.52 ng

RT: 6.227 min Scan# 406

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

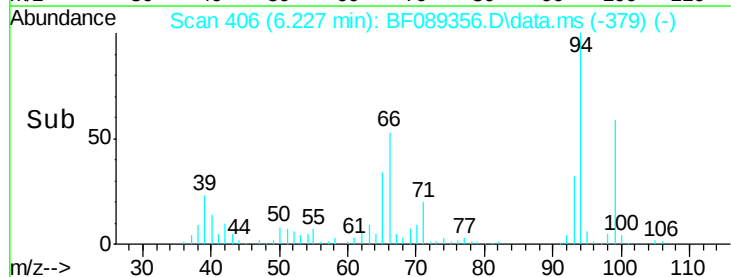
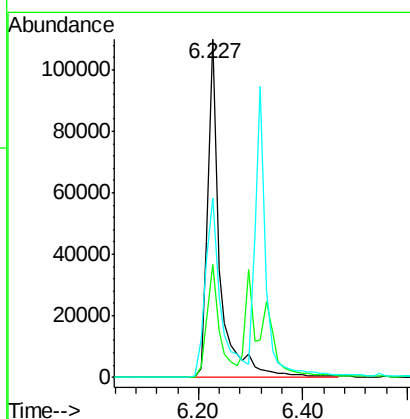
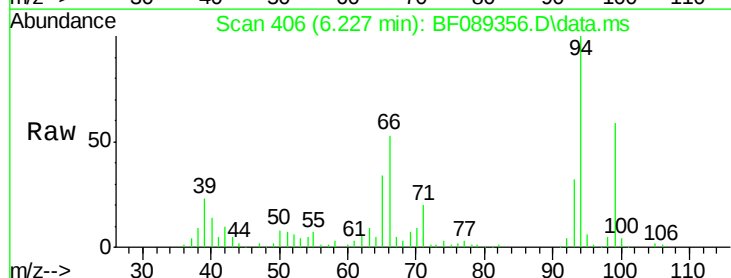
Tgt Ion: 94 Resp: 177336

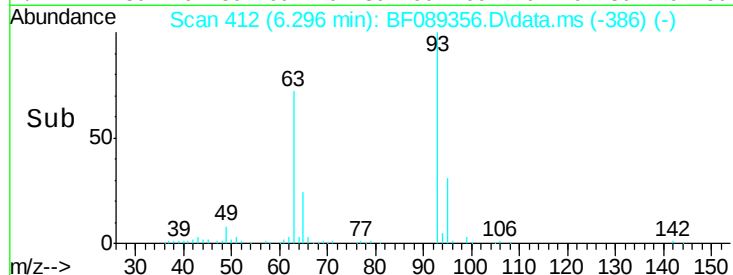
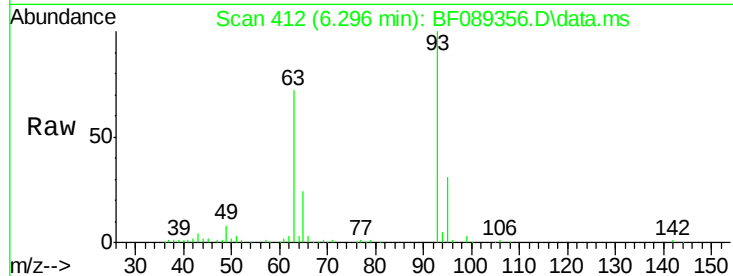
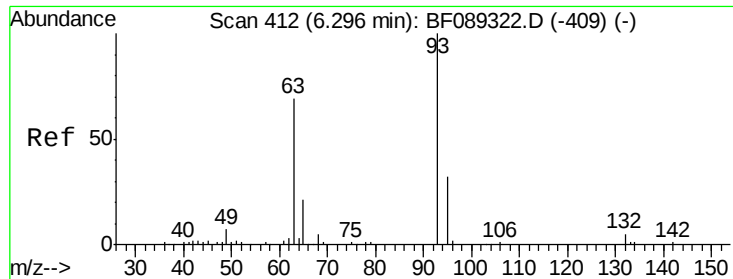
Ion Ratio Lower Upper

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66 53.2 44.4 84.4

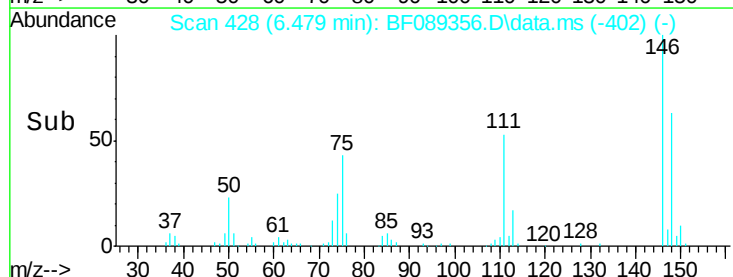
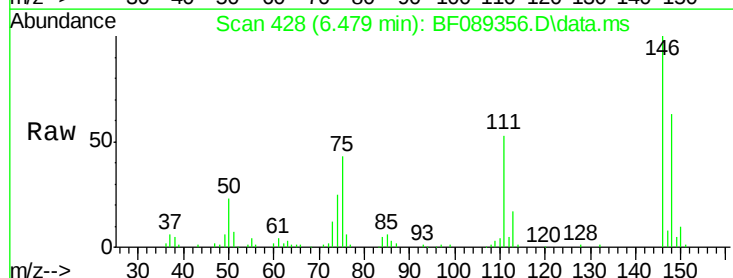
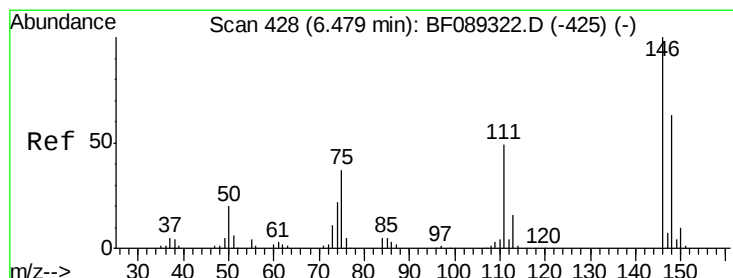
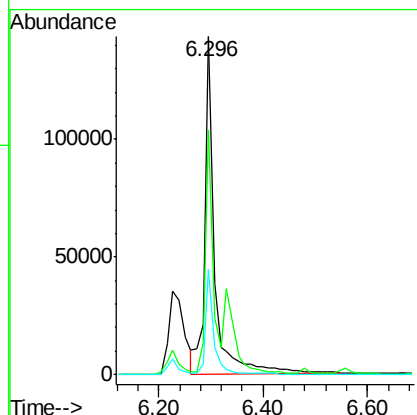




#11
bis(2-Chloroethyl)ether
Concen: 51.60 ng
RT: 6.296 min Scan# 41
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

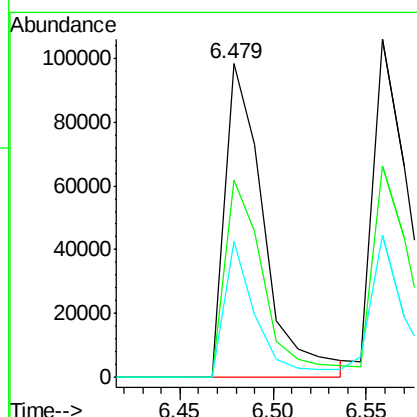
Tot Ion	Ratio	Lower	Upper
93	100		
63	72.4	45.6	85.6
95	31.3	11.1	51.1

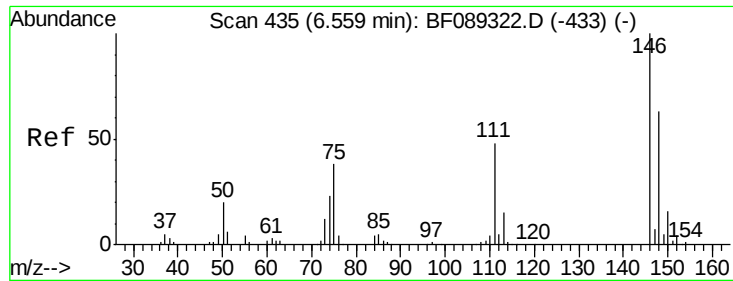
Instrument :
BNA_F
ClientSampleId :
I-4MS



#12
1,3-Dichlorobenzene
Concen: 41.56 ng
RT: 6.479 min Scan# 428
Delta R.T. 0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.5	75.7
75	43.2	30.0	45.0

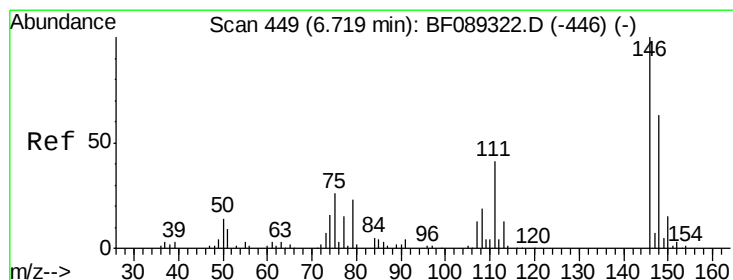
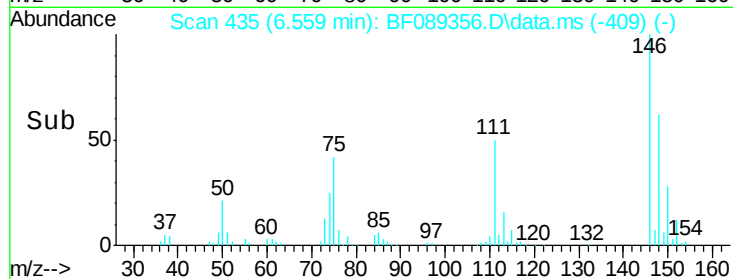
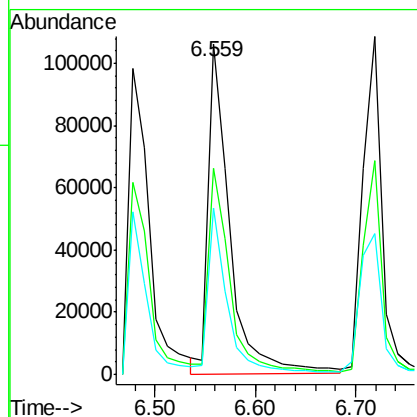
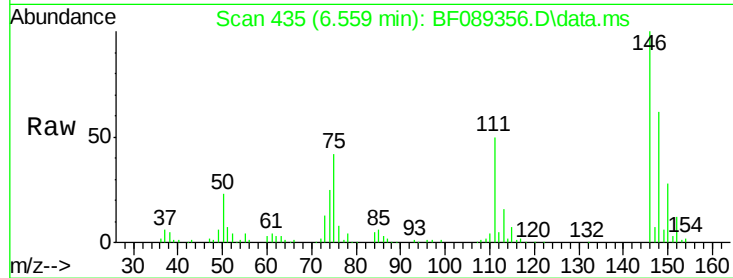




#13
 1,4-Dichlorobenzene
 Concen: 41.14 ng
 RT: 6.559 min Scan# 43
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

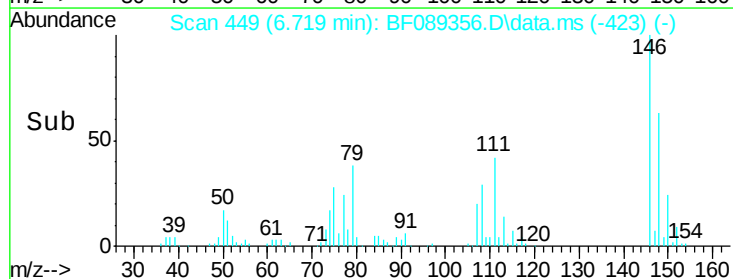
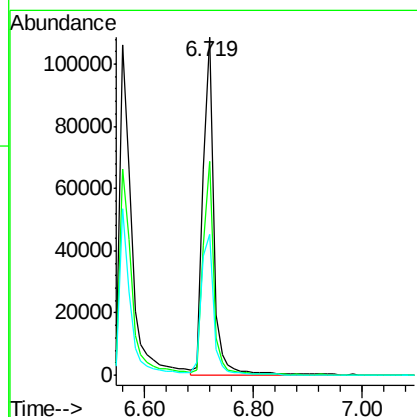
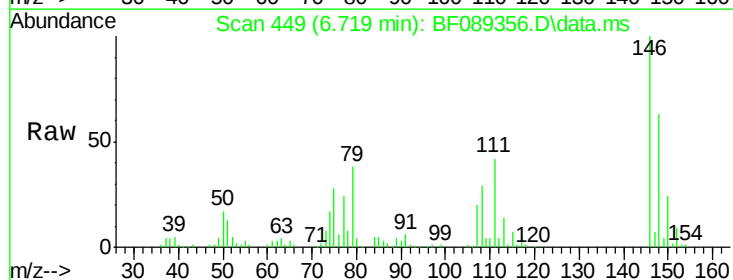
Instrument :
 BNA_F
 ClientSampleId :

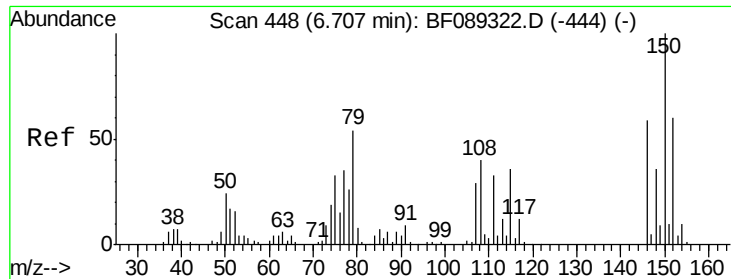
Tot Ion:146 Resp: 157323
 Ion Ratio Lower Upper
 146 100
 148 62.4 50.8 76.2
 111 50.5 38.6 57.8



#14
 1,2-Dichlorobenzene
 Concen: 41.94 ng
 RT: 6.719 min Scan# 449
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:146 Resp: 150249
 Ion Ratio Lower Upper
 146 100
 148 63.4 50.4 75.6
 111 41.8 33.0 49.4

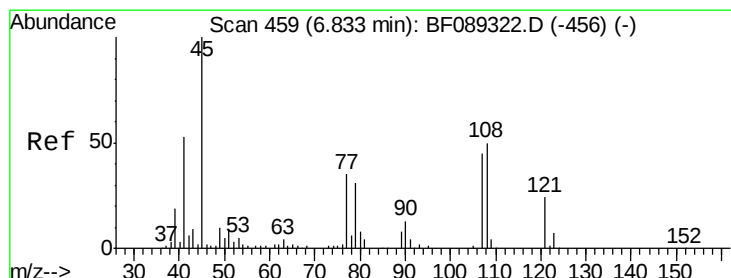
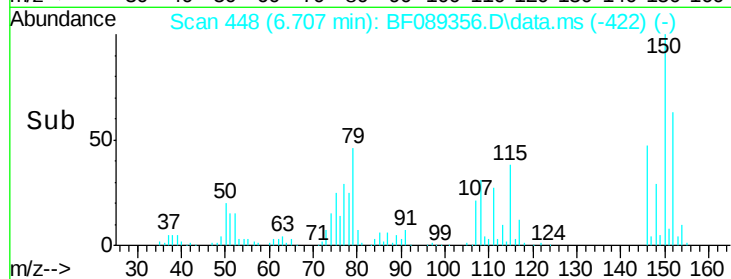
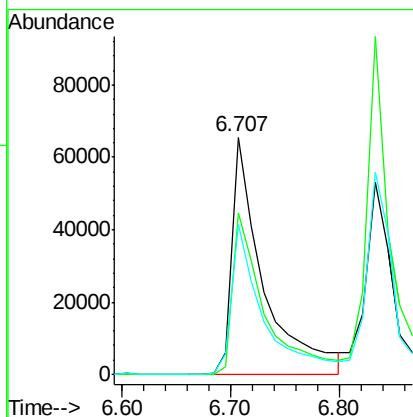
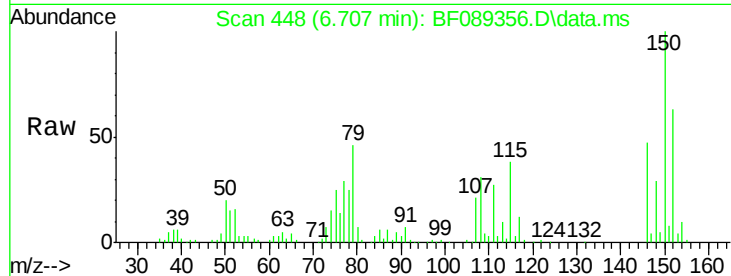




#15
Benzyl Alcohol
Concen: 54.07 ng
RT: 6.707 min Scan# 44
Delta R.T. 0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

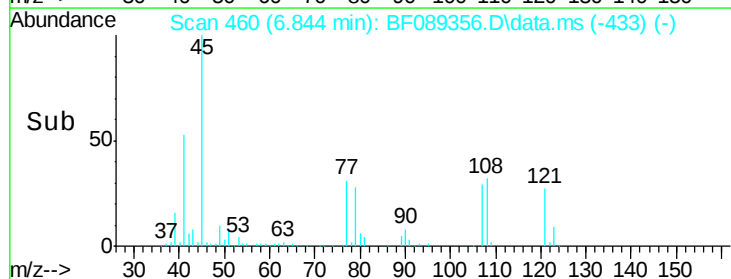
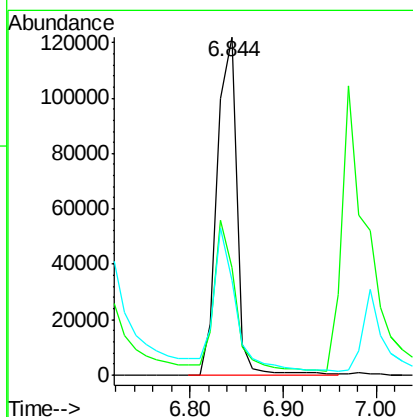
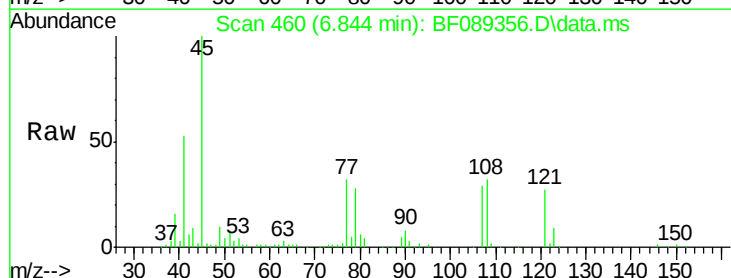
Instrument :
BNA_F
ClientSampleId :
I-4MS

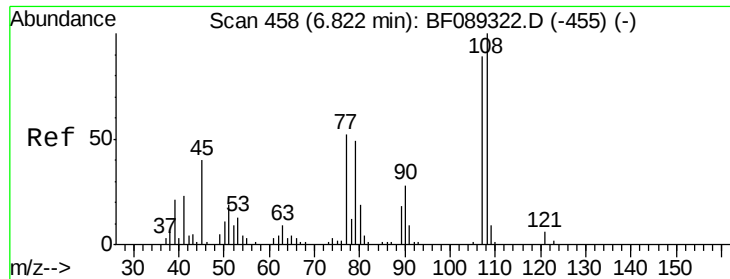
Tot Ion: 79 Resp: 129873
Ion Ratio Lower Upper
79 100
108 68.2 59.8 89.6
77 63.4 51.7 77.5



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.25 ng
RT: 6.844 min Scan# 460
Delta R.T. 0.011 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion: 45 Resp: 179104
Ion Ratio Lower Upper
45 100
77 31.9 17.3 57.3
79 28.1 13.9 53.9





#17

2-Methylphenol

Concen: 46.75 ng

RT: 6.833 min Scan# 45

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tot Ion:107 Resp: 119692

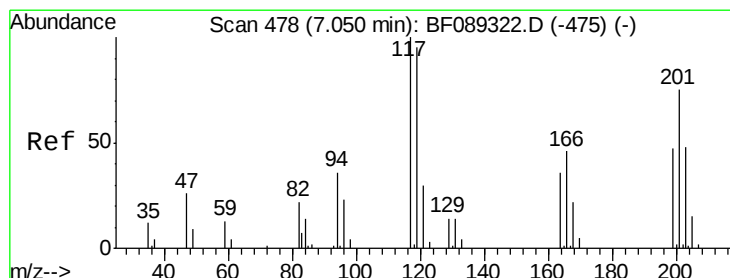
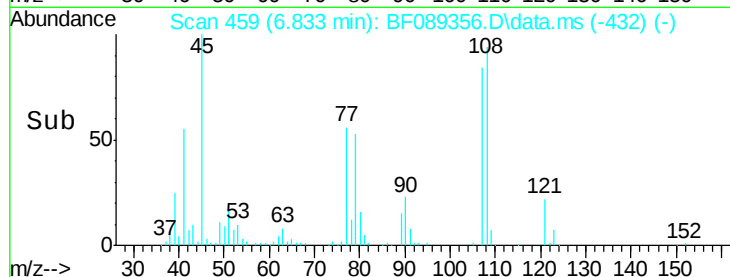
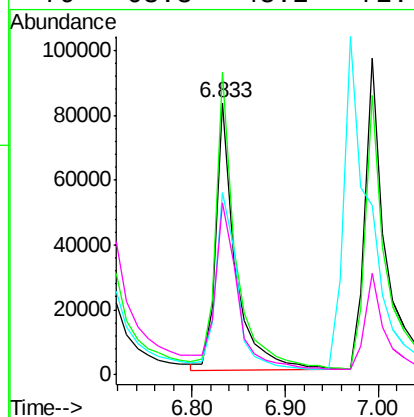
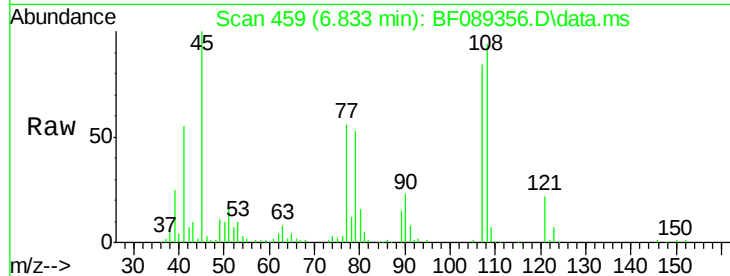
Ion Ratio Lower Upper

107 100

108 111.3 91.4 137.0

77 66.7 48.6 73.0

79 63.3 48.2 72.4



#18

Hexachloroethane

Concen: 40.75 ng

RT: 7.050 min Scan# 478

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

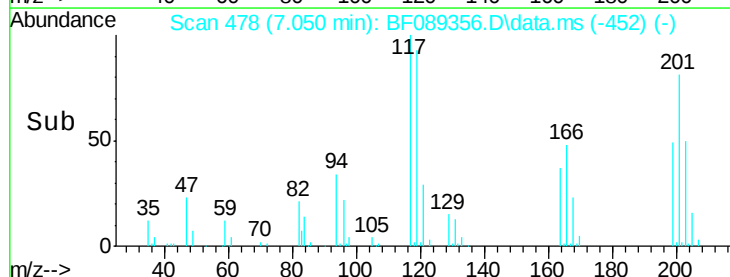
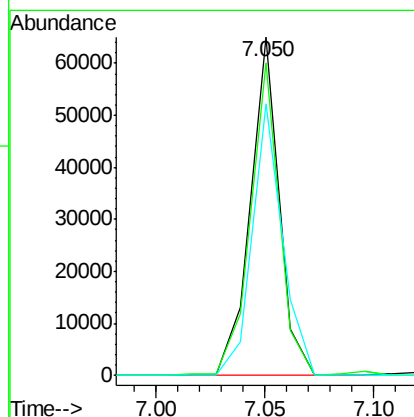
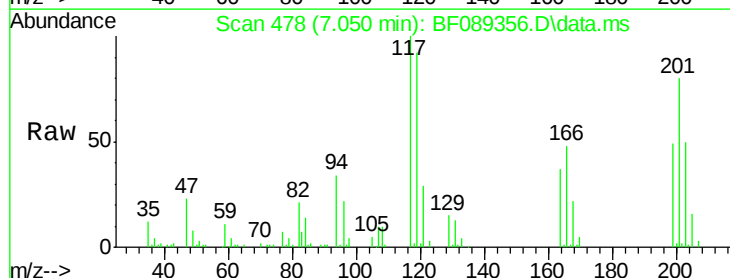
Tgt Ion:117 Resp: 59740

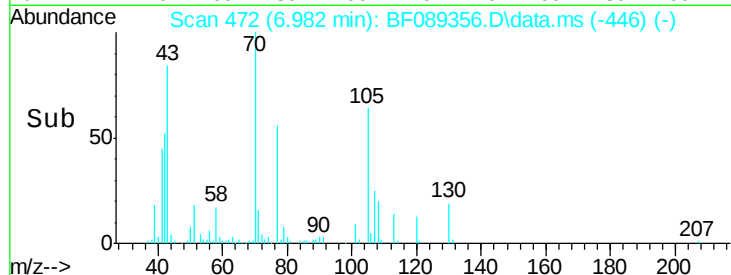
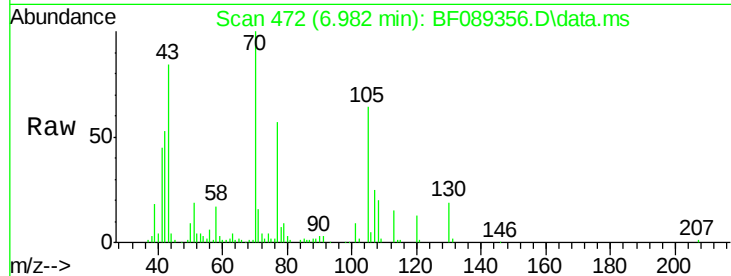
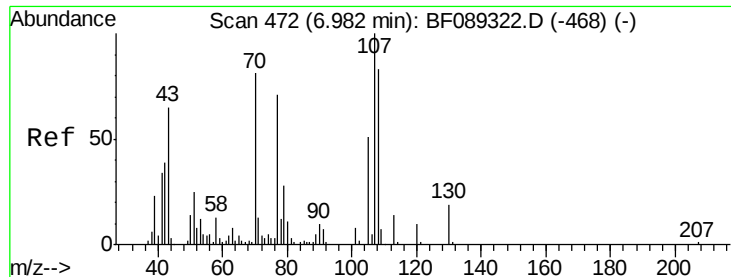
Ion Ratio Lower Upper

117 100

119 92.4 76.0 114.0

201 80.5 60.0 90.0

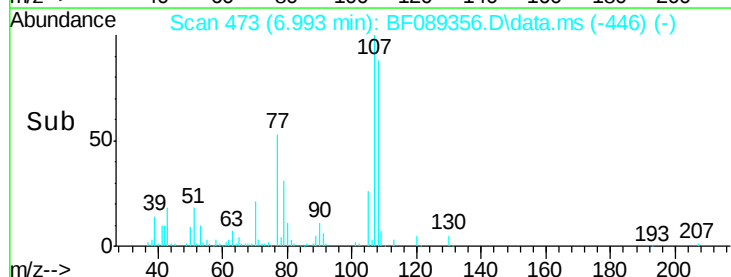
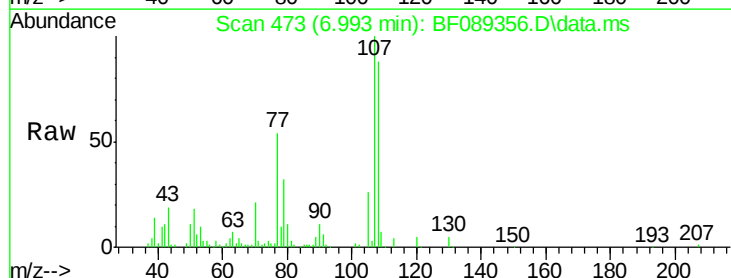
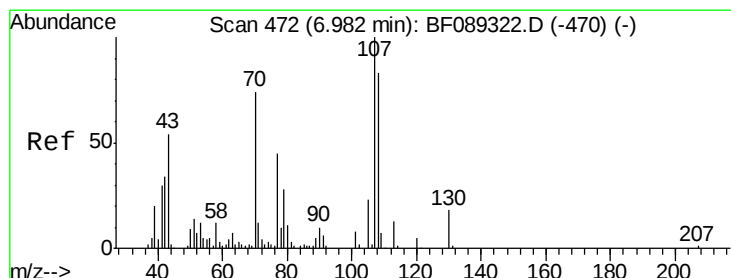
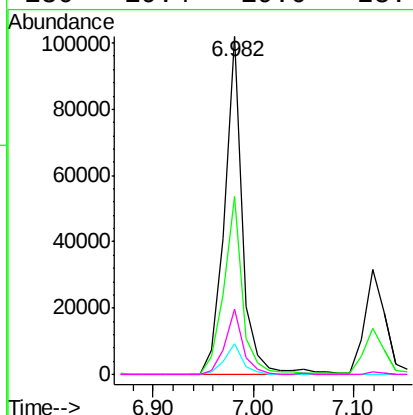




#19
n-Nitroso-di-n-propylamine
Concen: 54.28 ng
RT: 6.982 min Scan# 47
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

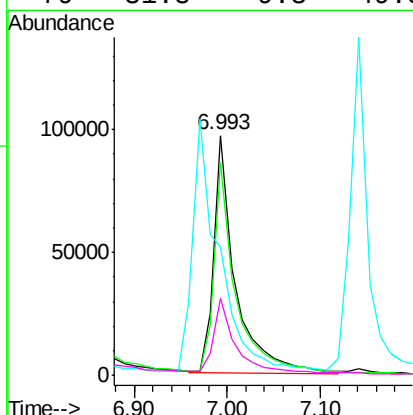
Instrument :
BNA_F
ClientSampleId :
I-4MS

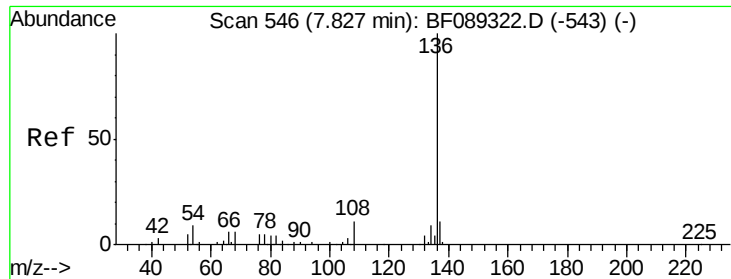
Tot Ion:	70	Resp:	126695
Ion	Ratio	Lower	Upper
70	100		
42	52.6	38.6	57.8
101	9.3	8.3	12.5
130	19.4	19.0	28.4



#20
3+4-Methylphenols
Concen: 46.91 ng
RT: 6.993 min Scan# 473
Delta R.T. 0.011 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion:	107	Resp:	154265
Ion	Ratio	Lower	Upper
107	100		
108	88.4	63.3	103.3
77	53.6	51.1	91.1
79	31.8	9.3	49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.827 min Scan# 54

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tot Ion:136 Resp: 200807

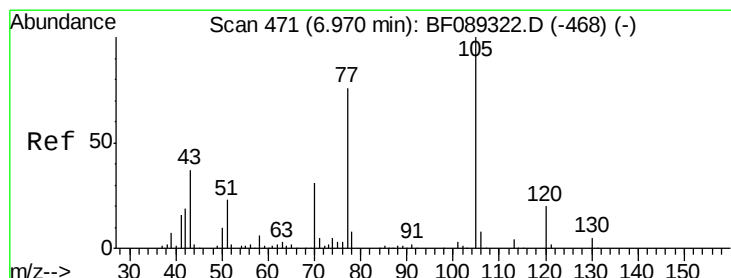
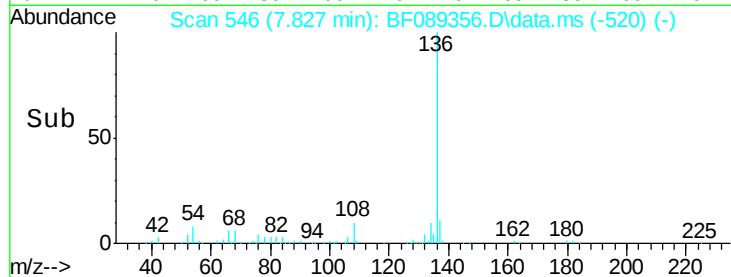
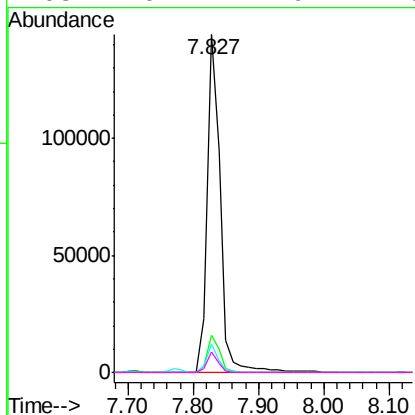
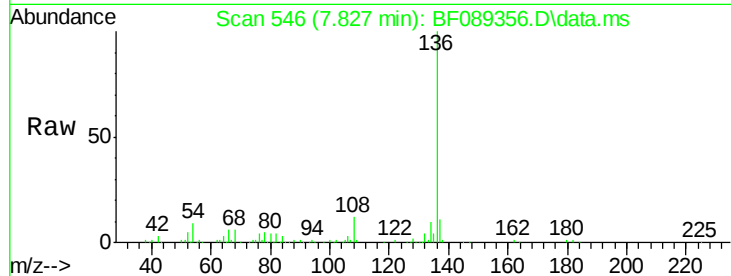
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.5 7.0 10.4

68 6.2 4.9 7.3



#22

Acetophenone

Concen: 44.40 ng

RT: 6.970 min Scan# 471

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:105 Resp: 212259

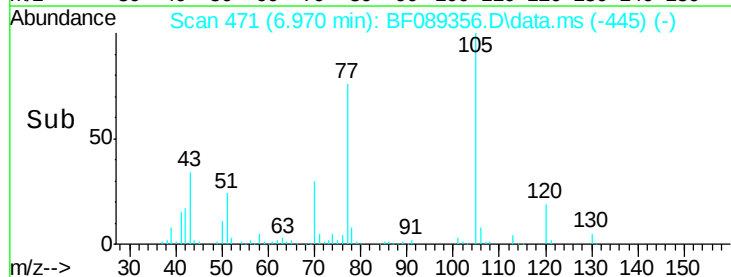
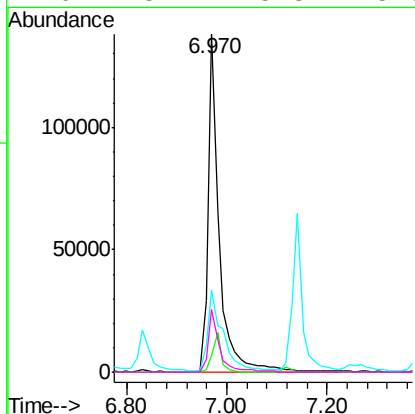
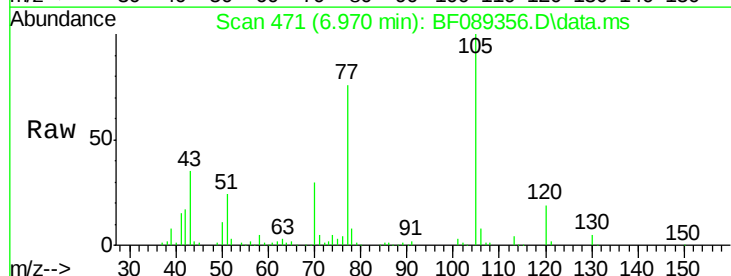
Ion Ratio Lower Upper

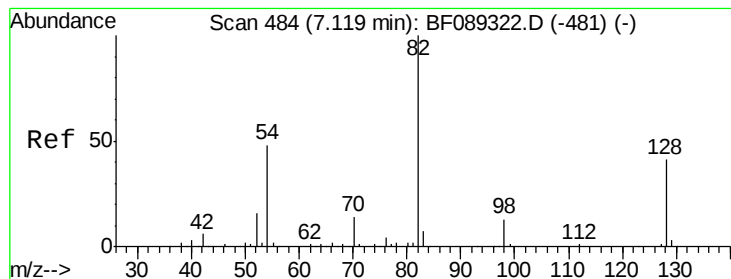
105 100

71 5.0 4.2 6.2

51 24.4 18.7 28.1

120 18.7 15.8 23.6





#23

Nitrobenzene-d5

Concen: 100.85 ng

RT: 7.119 min Scan# 481

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

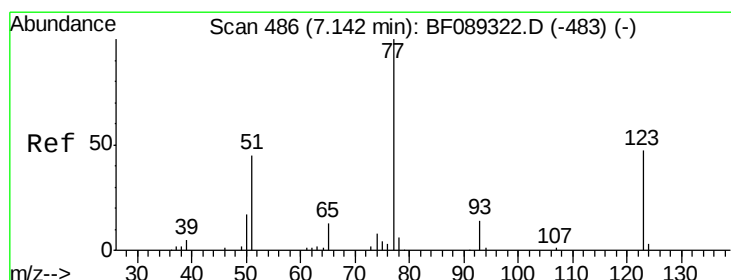
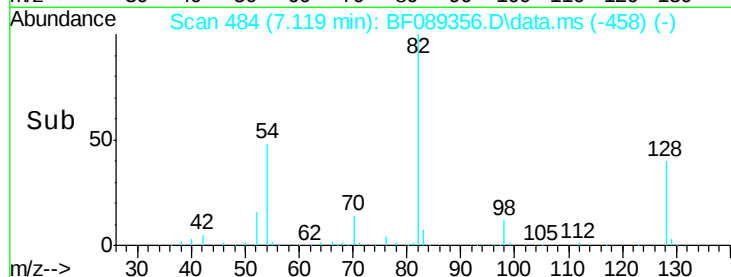
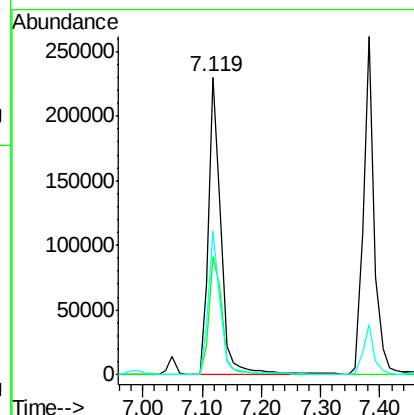
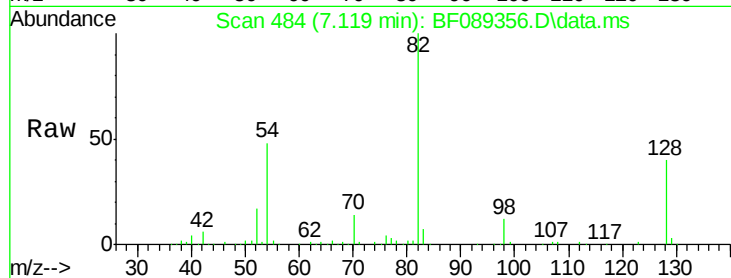
Tot Ion: 82 Resp: 343081

Ion Ratio Lower Upper

82 100

128 39.8 32.5 48.7

54 48.2 38.8 58.2



#24

Nitrobenzene

Concen: 45.22 ng

RT: 7.142 min Scan# 486

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

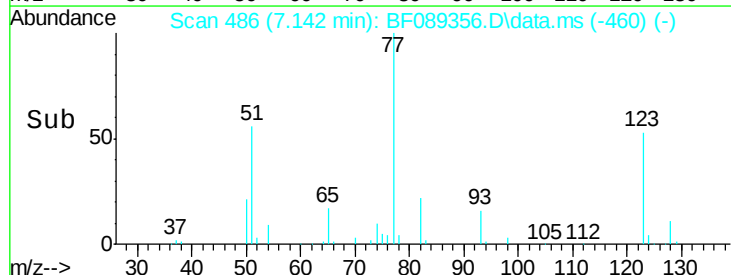
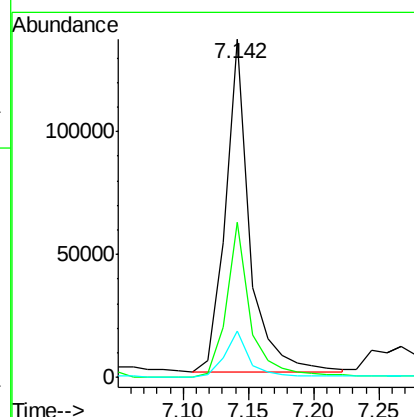
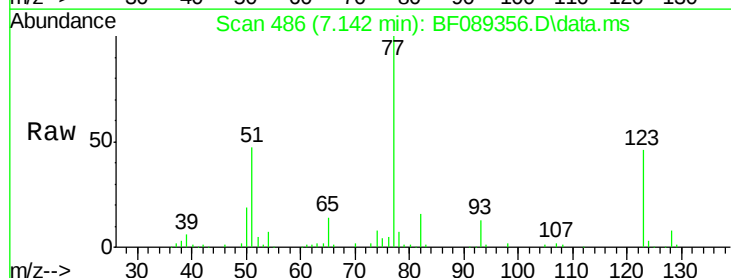
Tgt Ion: 77 Resp: 175098

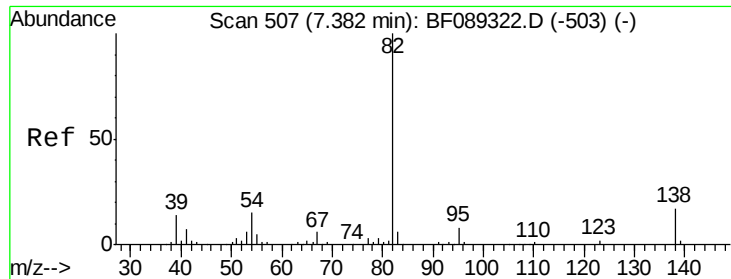
Ion Ratio Lower Upper

77 100

123 45.8 37.2 55.8

65 13.6 10.2 15.4





#25

Isophorone

Concen: 48.58 ng

RT: 7.382 min Scan# 50

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

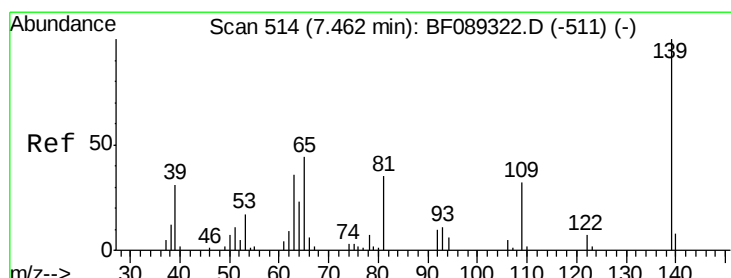
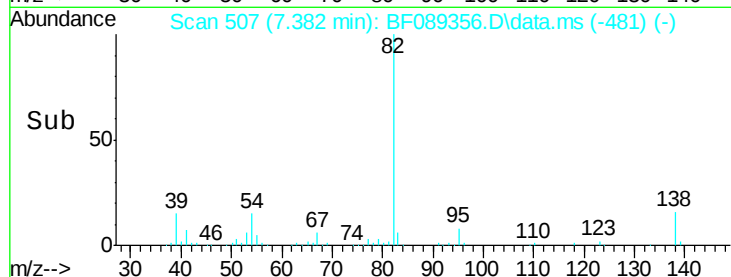
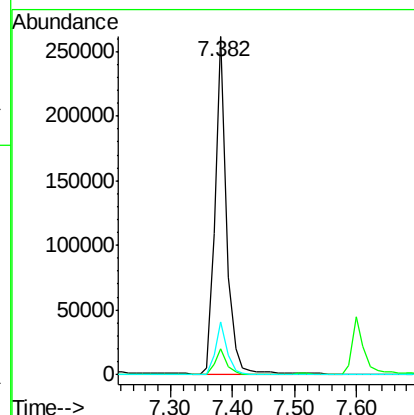
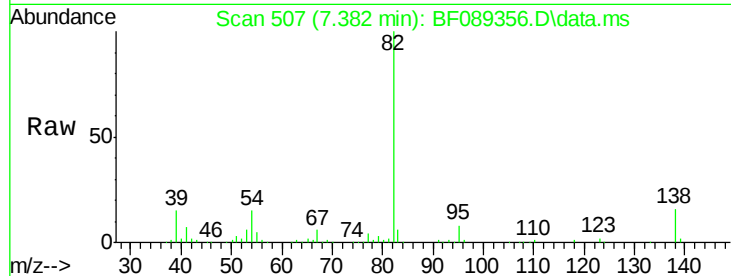
Tot Ion: 82 Resp: 332905

Ion Ratio Lower Upper

82 100

95 7.7 6.0 9.0

138 15.7 13.3 19.9



#26

2-Nitrophenol

Concen: 45.97 ng

RT: 7.462 min Scan# 514

Delta R.T. 0.001 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

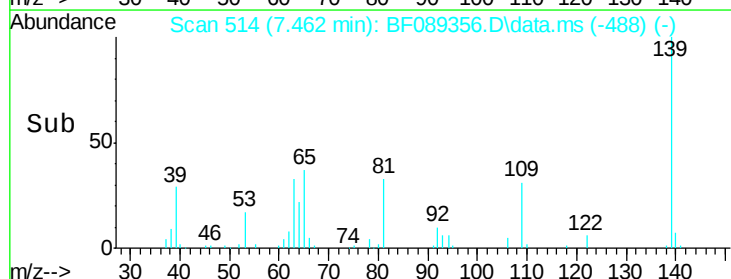
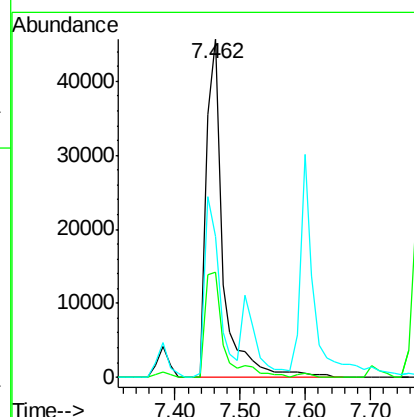
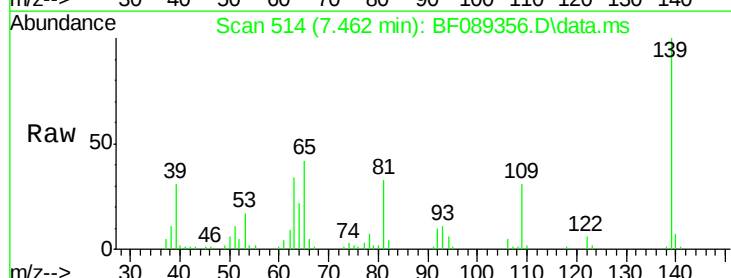
Tgt Ion: 139 Resp: 79574

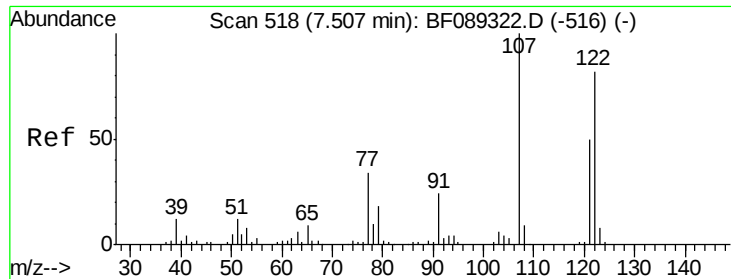
Ion Ratio Lower Upper

139 100

109 31.1 25.8 38.8

65 41.9 35.2 52.8

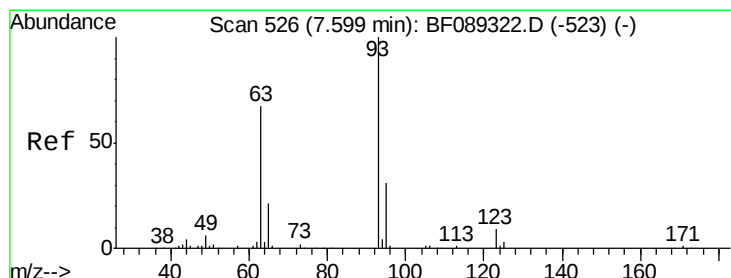
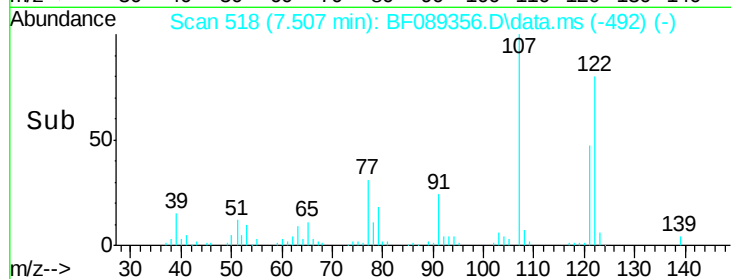
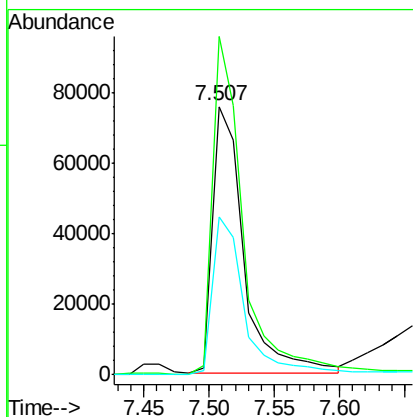
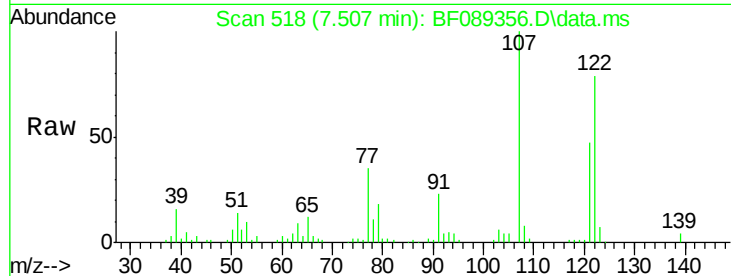




#27
 2,4-Dimethylphenol
 Concen: 46.22 ng
 RT: 7.507 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

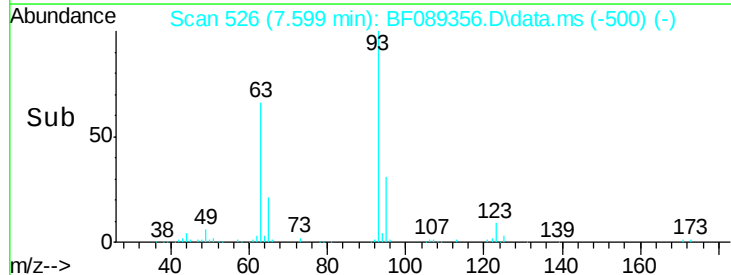
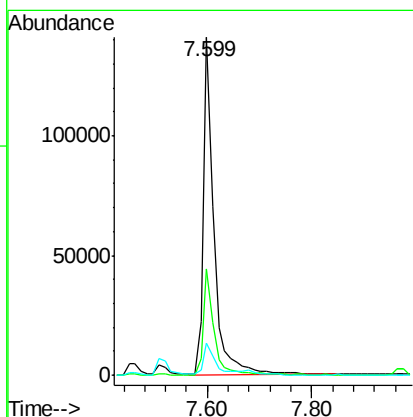
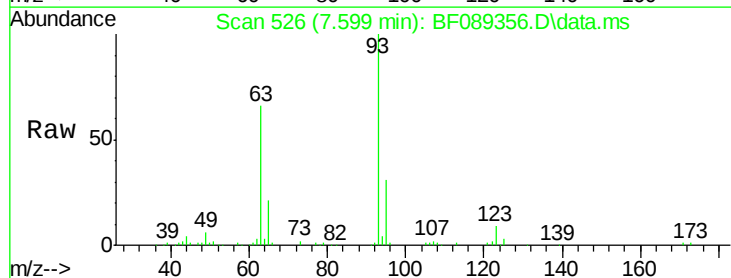
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

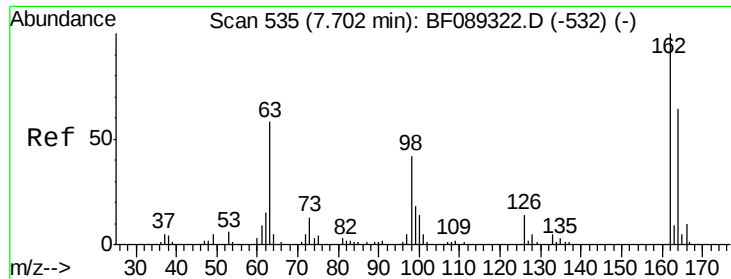
Tot Ion:122 Resp: 127458
 Ion Ratio Lower Upper
 122 100
 107 126.1 97.2 145.8
 121 58.6 48.8 73.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 52.74 ng
 RT: 7.599 min Scan# 526
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion: 93 Resp: 200062
 Ion Ratio Lower Upper
 93 100
 95 31.4 24.7 37.1
 123 9.4 7.5 11.3

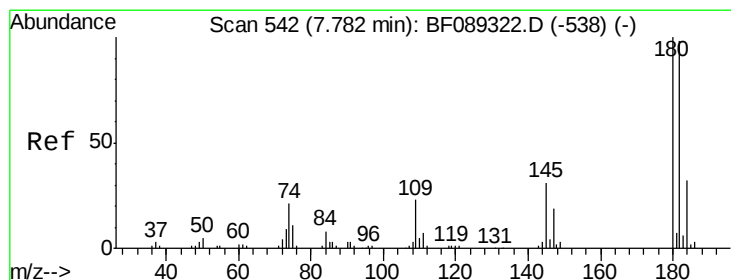
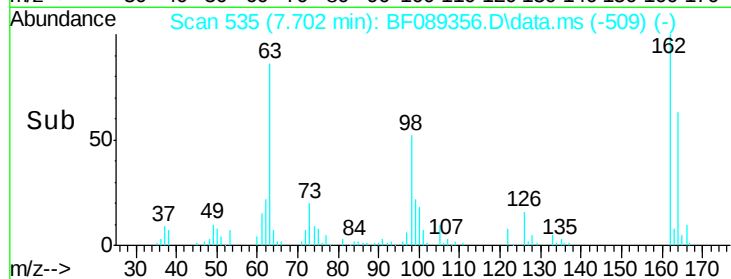
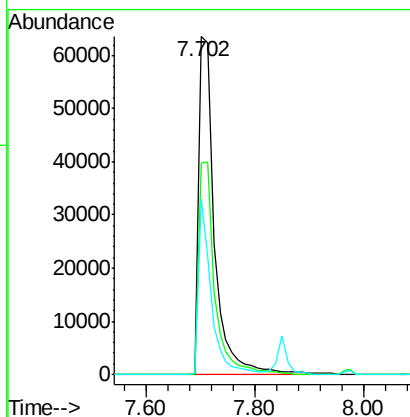
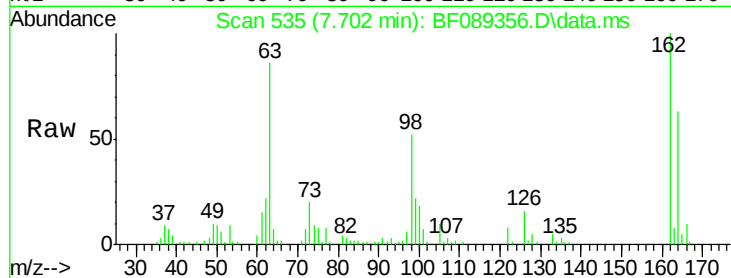




#29
 2,4-Dichlorophenol
 Concen: 50.86 ng
 RT: 7.702 min Scan# 53
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

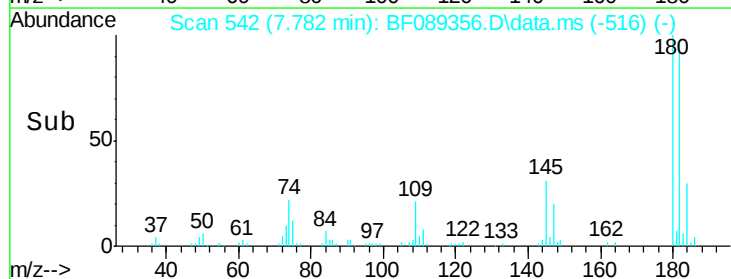
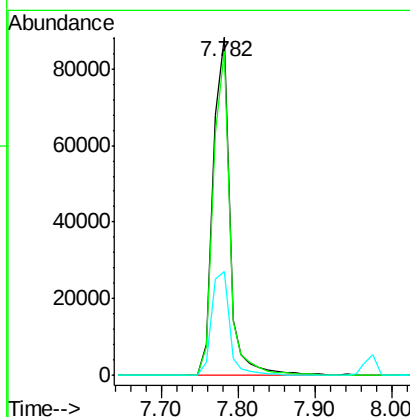
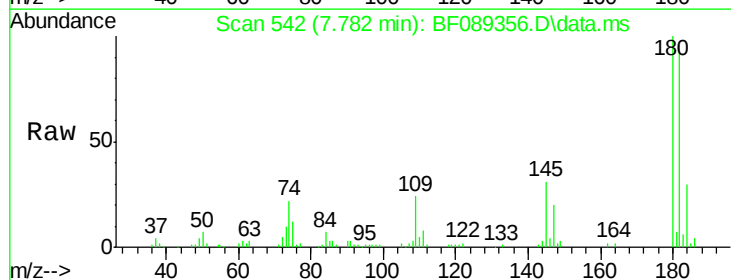
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

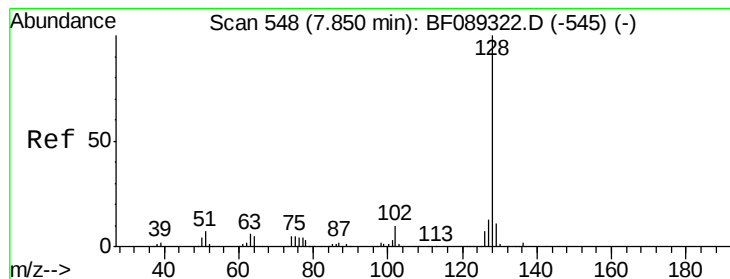
Tot Ion:162 Resp: 127799
 Ion Ratio Lower Upper
 162 100
 164 62.6 44.0 84.0
 98 52.1 21.8 61.8



#30
 1,2,4-Trichlorobenzene
 Concen: 46.34 ng
 RT: 7.782 min Scan# 542
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:180 Resp: 132861
 Ion Ratio Lower Upper
 180 100
 182 96.0 78.2 117.2
 145 30.8 24.6 36.8





#31

Naphthalene

Concen: 52.28 ng

RT: 7.850 min Scan# 54

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

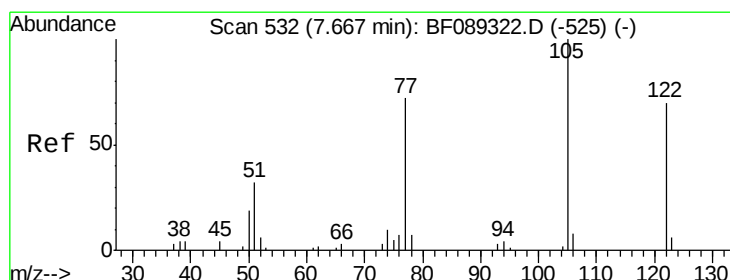
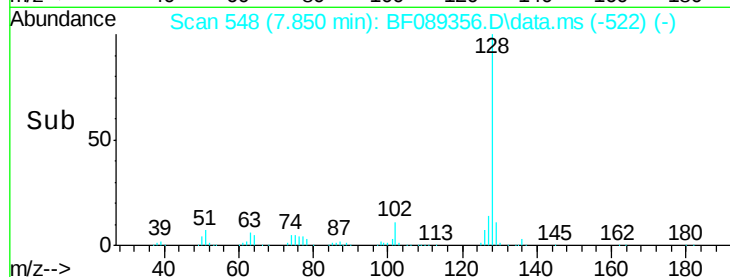
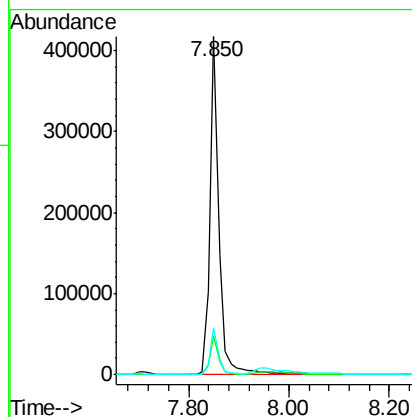
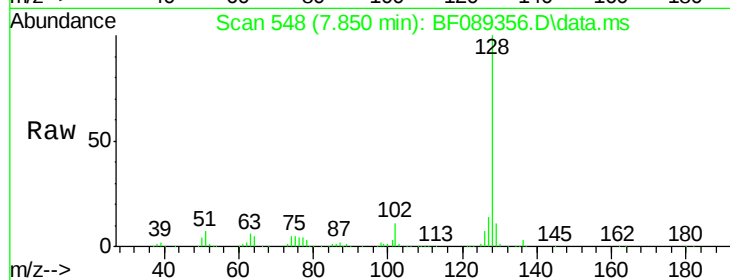
Tot Ion:128 Resp: 519848

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.7 10.8 16.2



#32

Benzoic acid

Concen: 39.12 ng

RT: 7.679 min Scan# 533

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

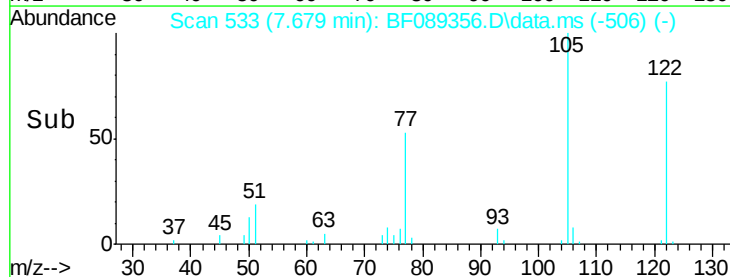
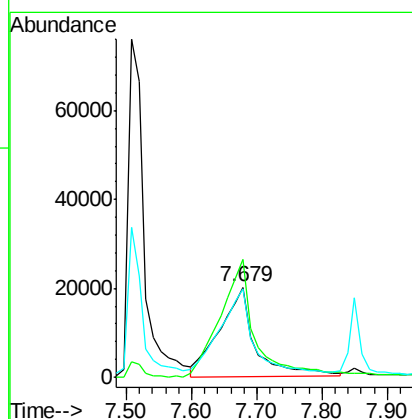
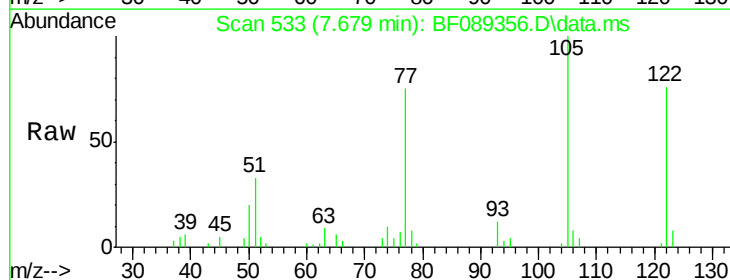
Tgt Ion:122 Resp: 75184

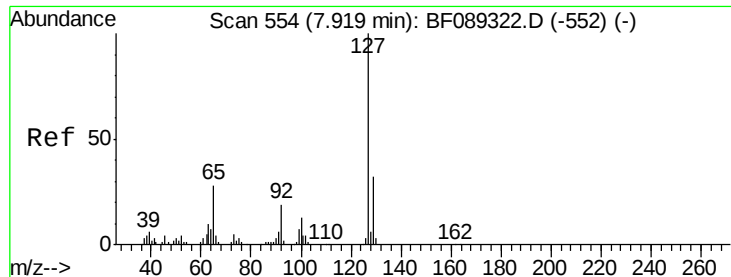
Ion Ratio Lower Upper

122 100

105 131.2 106.4 146.4

77 98.2 76.4 116.4





#33

4-Chloroaniline

Concen: 10.39 ng

RT: 7.953 min Scan# 55

Delta R.T. 0.034 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tot Ion:127 Resp: 39345

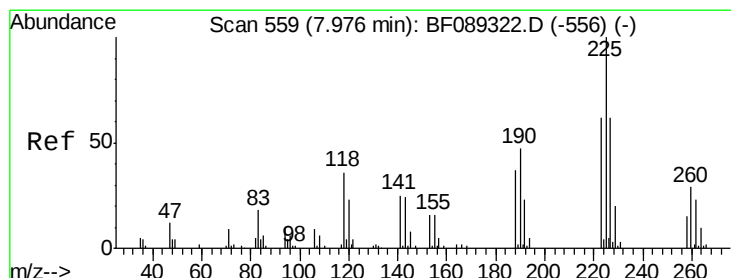
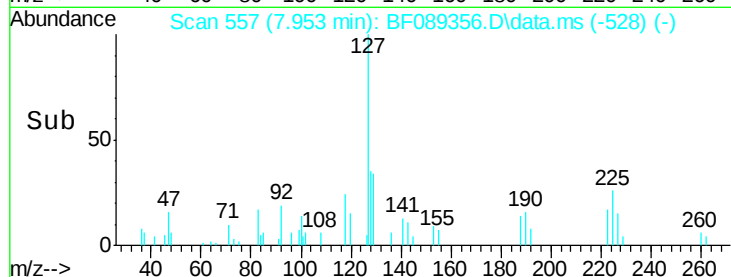
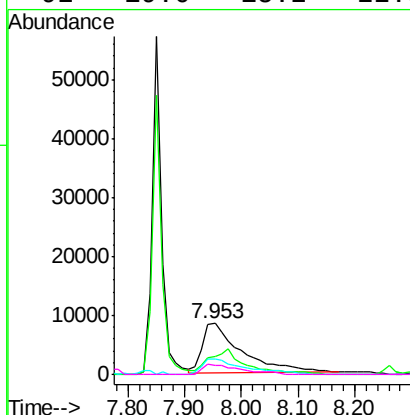
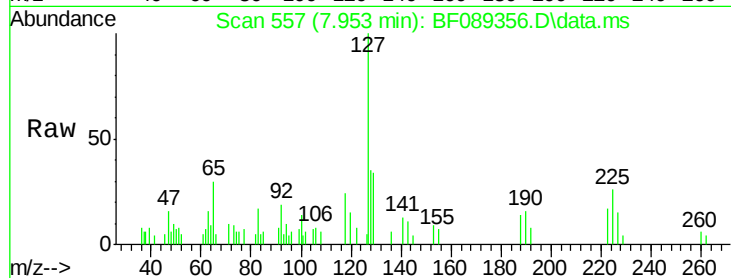
Ion Ratio Lower Upper

127 100

129 34.5 26.1 39.1

65 30.3 22.0 33.0

92 19.0 15.2 22.8



#34

Hexachlorobutadiene

Concen: 44.47 ng

RT: 7.976 min Scan# 559

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

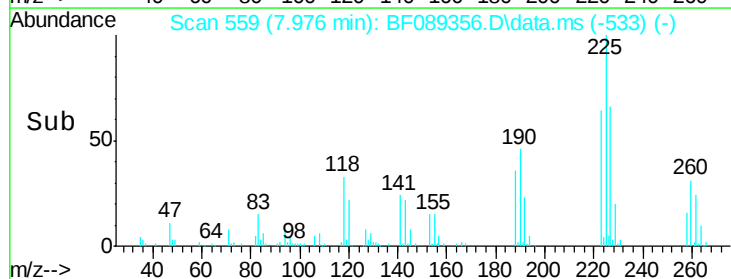
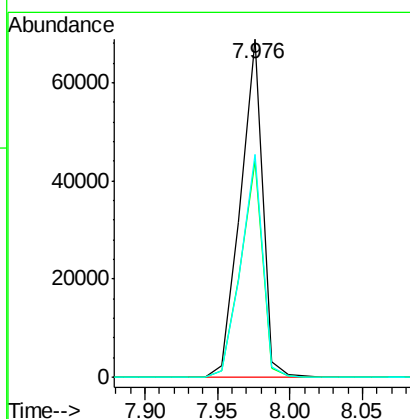
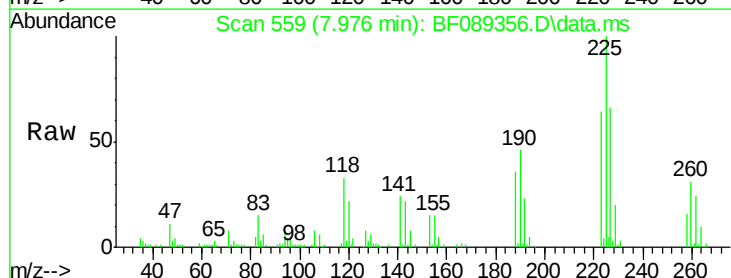
Tgt Ion:225 Resp: 73033

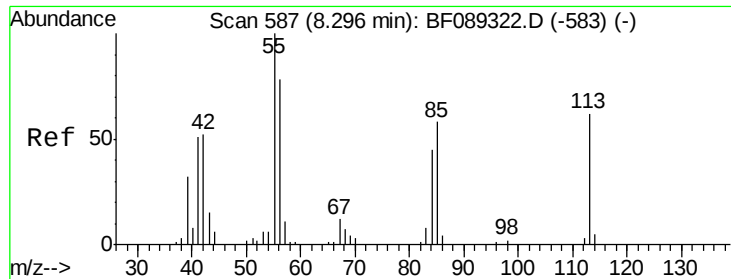
Ion Ratio Lower Upper

225 100

223 64.0 49.8 74.8

227 65.8 49.4 74.2





#35

Caprolactam

Concen: 39.18 ng

RT: 8.307 min Scan# 58

Delta R.T. 0.012 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

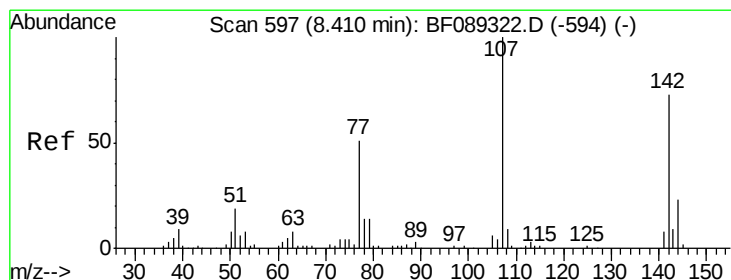
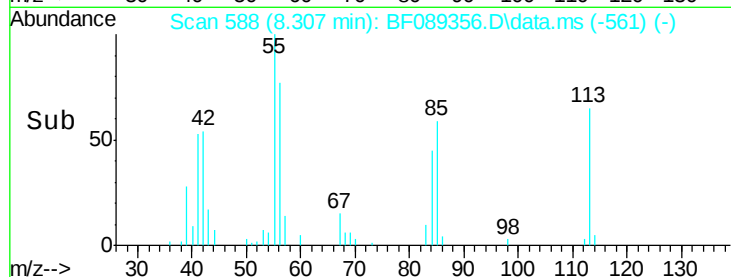
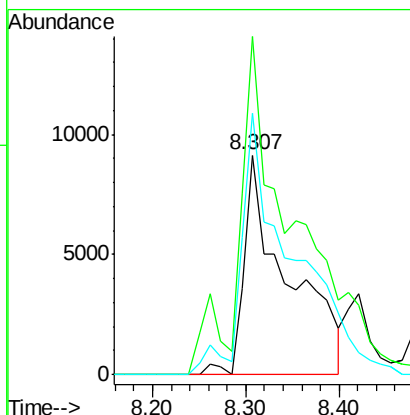
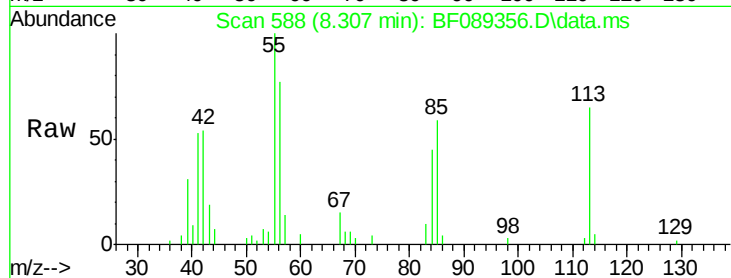
Tot Ion:113 Resp: 29714

Ion Ratio Lower Upper

113 100

55 154.4 142.3 182.3

56 119.3 105.8 145.8



#36

4-Chloro-3-methylphenol

Concen: 49.75 ng

RT: 8.422 min Scan# 598

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

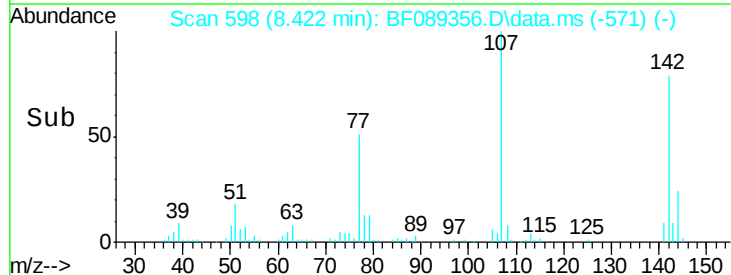
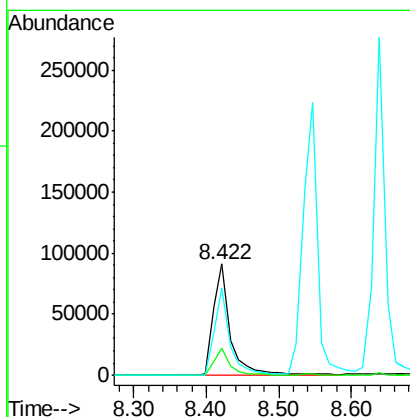
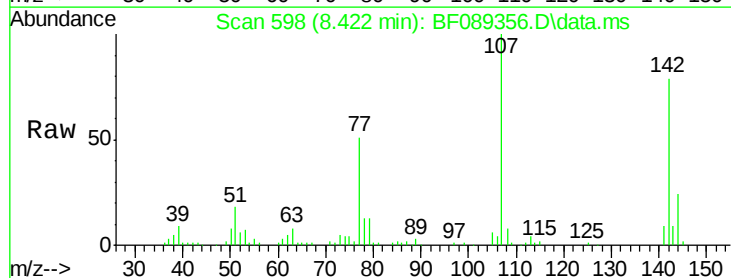
Tgt Ion:107 Resp: 148573

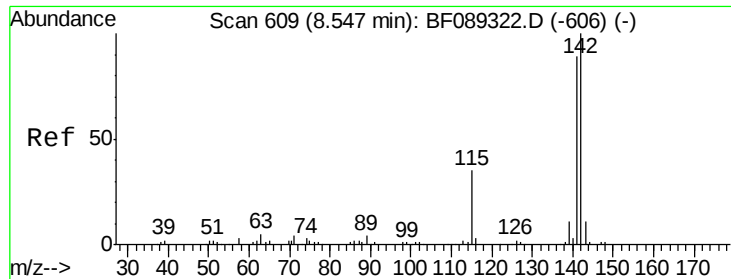
Ion Ratio Lower Upper

107 100

144 24.2 18.4 27.6

142 78.8 58.6 87.8

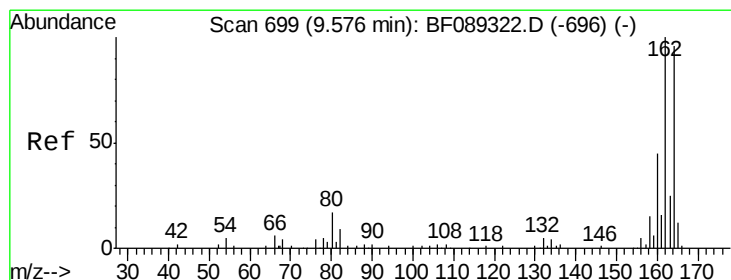
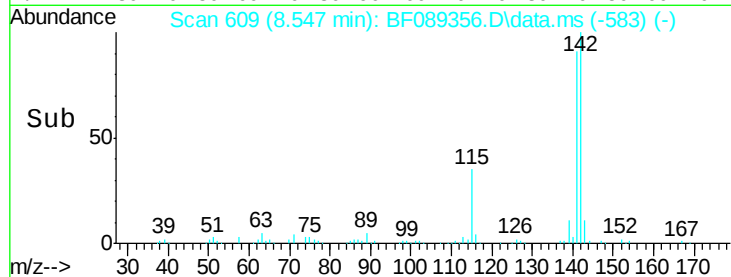
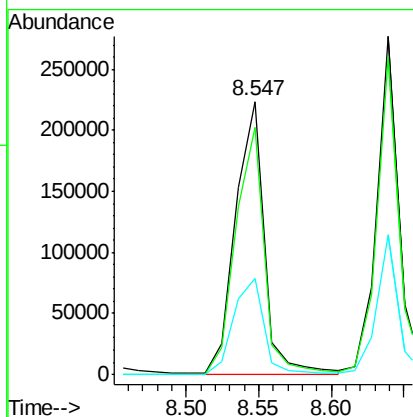
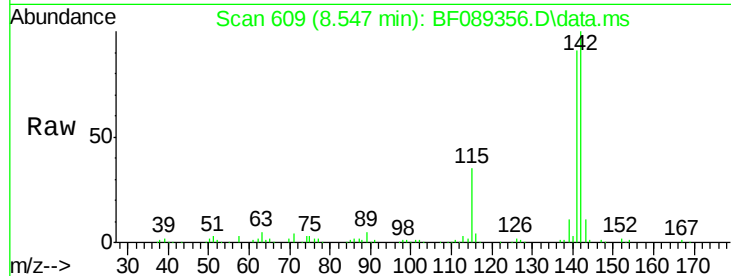




#37
 2-Methylnaphthalene
 Concen: 51.39 ng
 RT: 8.547 min Scan# 609
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

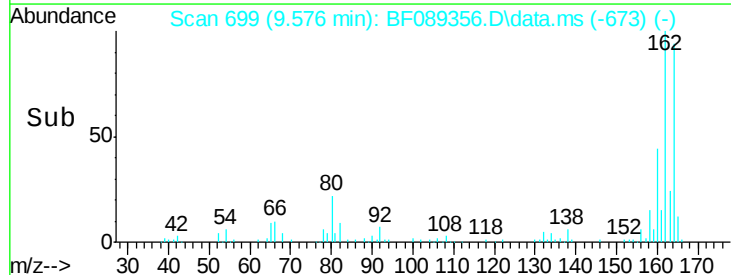
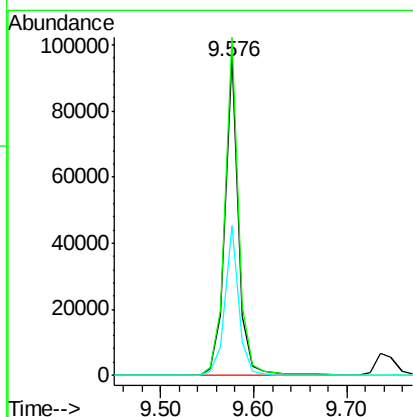
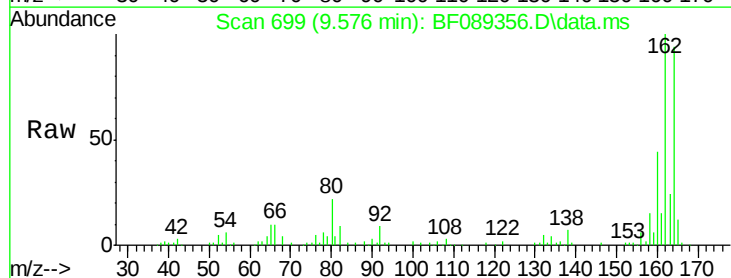
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

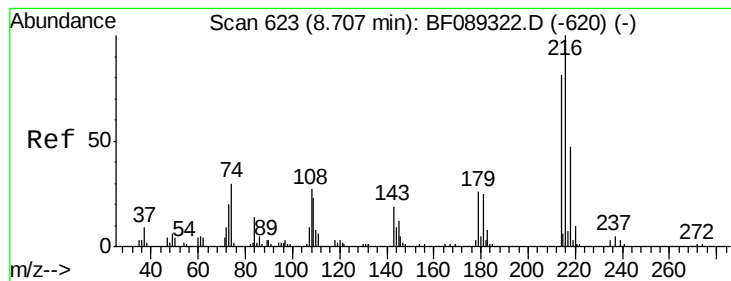
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.9	106.3
115	34.9	27.6	41.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.576 min Scan# 699
 Delta R.T. 0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	83.7	125.5
160	46.9	37.8	56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.19 ng

RT: 8.707 min Scan# 62

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tot Ion:216 Resp: 115532

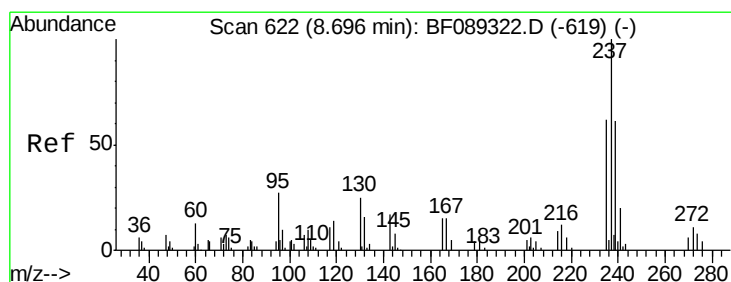
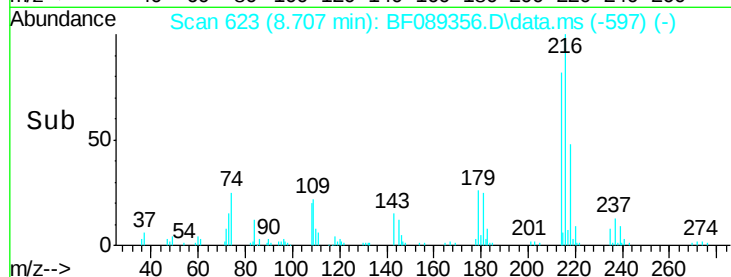
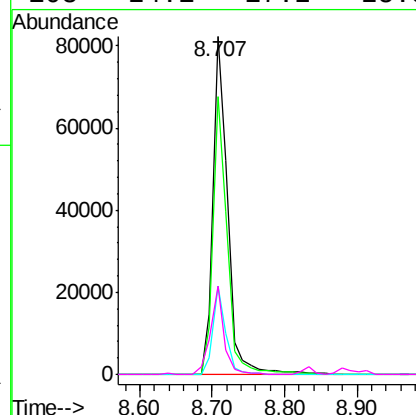
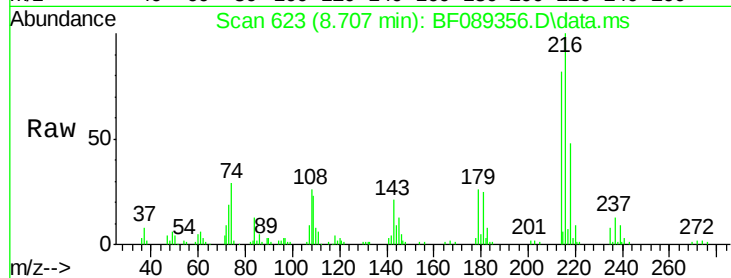
Ion Ratio Lower Upper

216 100

214 79.2 63.3 94.9

179 23.0 18.1 27.1

108 24.1 17.2 25.8



#40

Hexachlorocyclopentadiene

Concen: 94.99 ng

RT: 8.696 min Scan# 622

Delta R.T. 0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

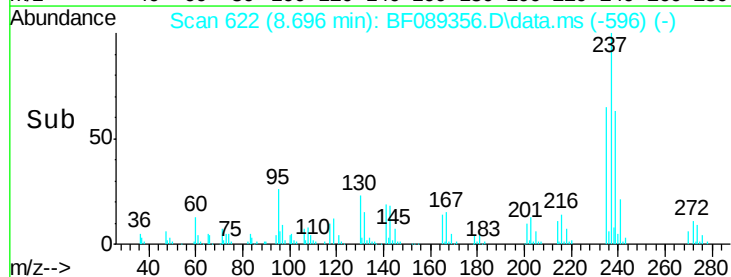
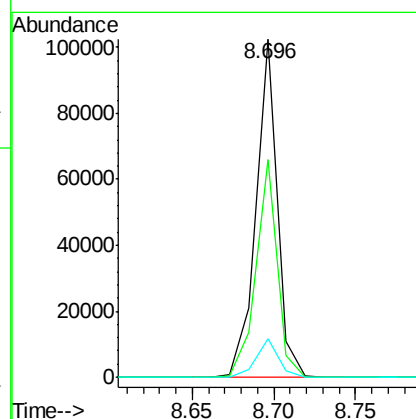
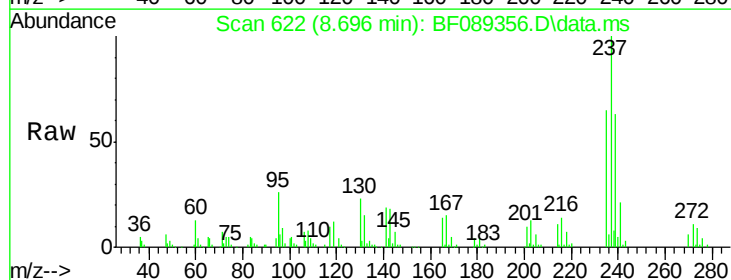
Tgt Ion:237 Resp: 93303

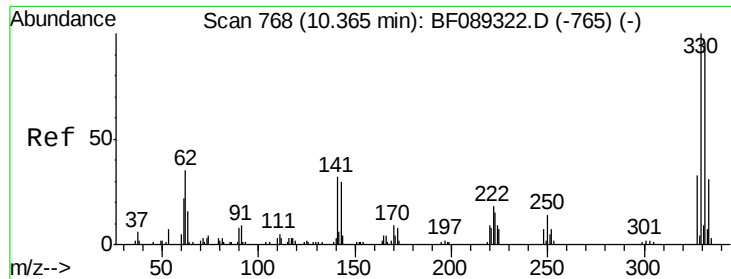
Ion Ratio Lower Upper

237 100

235 64.5 41.6 81.6

272 11.3 0.0 30.8

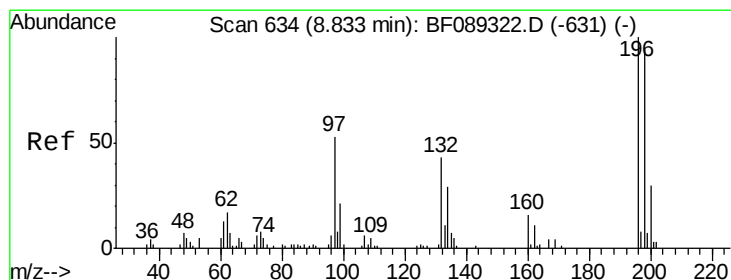
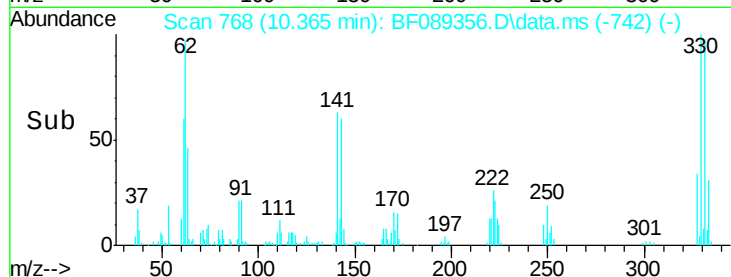
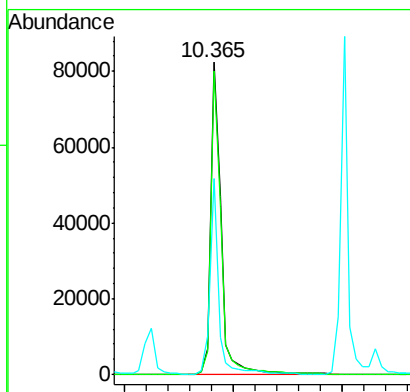
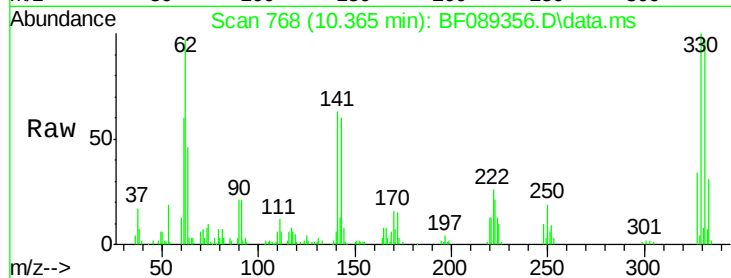




#41
 2,4,6-Tribromophenol
 Concen: 137.66 ng
 RT: 10.365 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

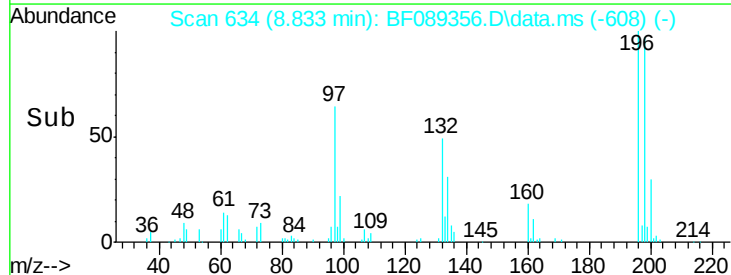
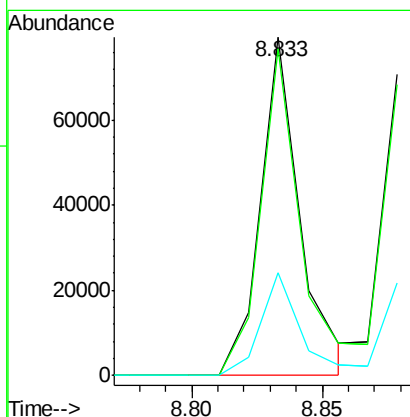
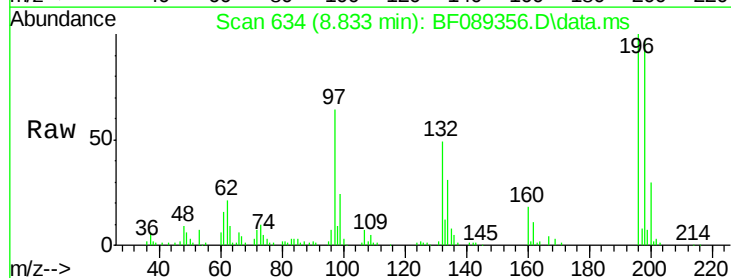
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

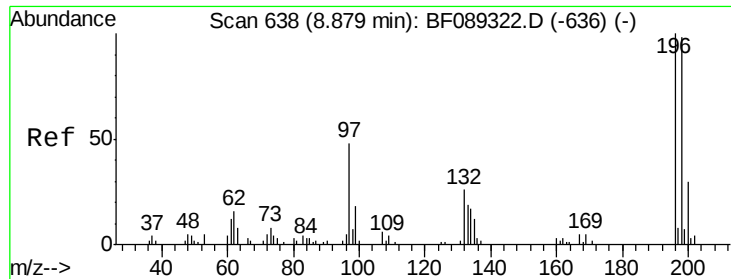
Tot Ion:330 Resp: 110080
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 52.8 37.3 55.9



#42
 2,4,6-Trichlorophenol
 Concen: 51.95 ng
 RT: 8.833 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:196 Resp: 83447
 Ion Ratio Lower Upper
 196 100
 198 96.6 75.5 113.3
 200 30.4 23.9 35.9

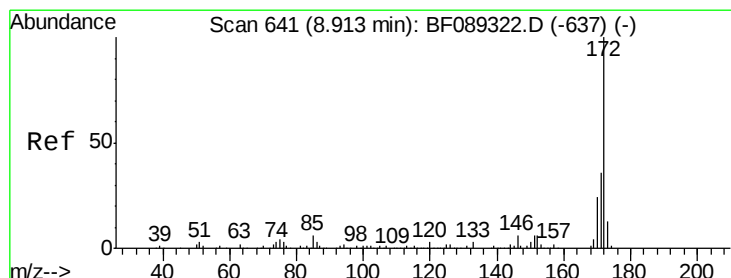
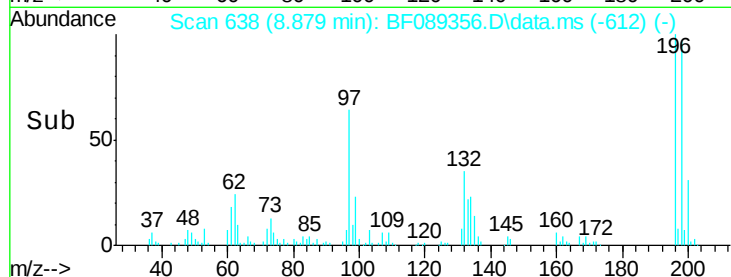
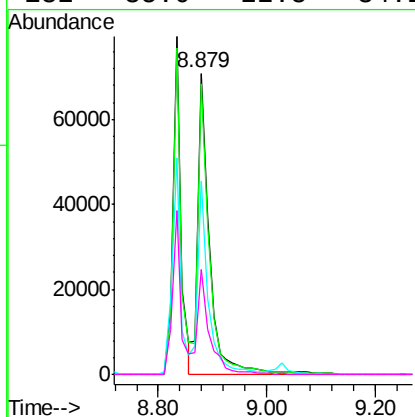
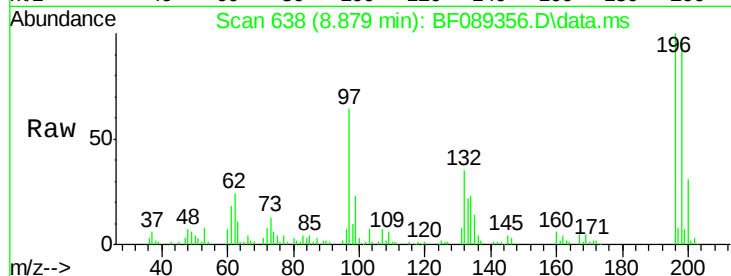




#43
 2,4,5-Trichlorophenol
 Concen: 51.74 ng
 RT: 8.879 min Scan# 638
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

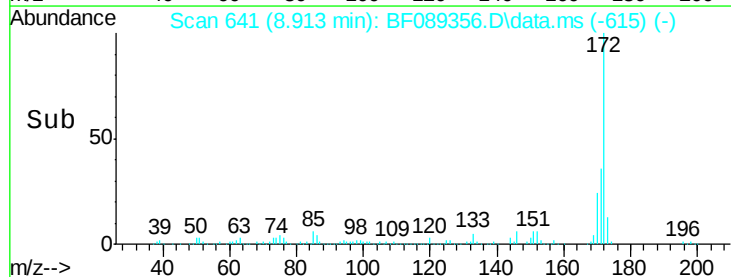
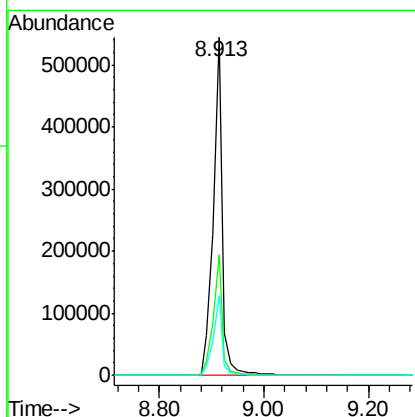
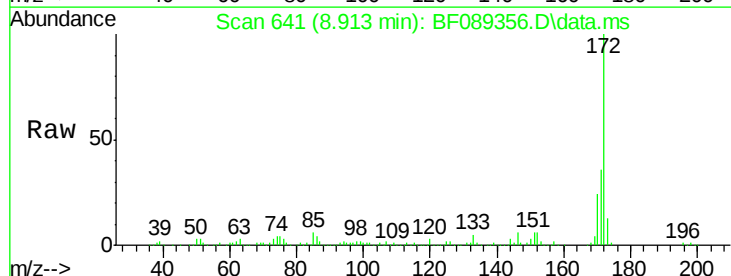
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

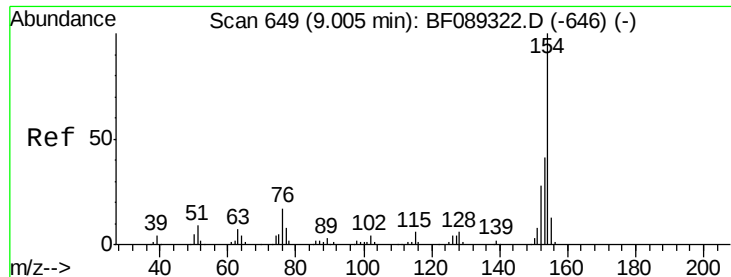
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.7	78.7	118.1
97	64.4	39.7	59.5
132	35.0	22.8	34.2



#44
 2-Fluorobiphenyl
 Concen: 100.03 ng
 RT: 8.913 min Scan# 641
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.2	43.8
170	23.6	19.2	28.8

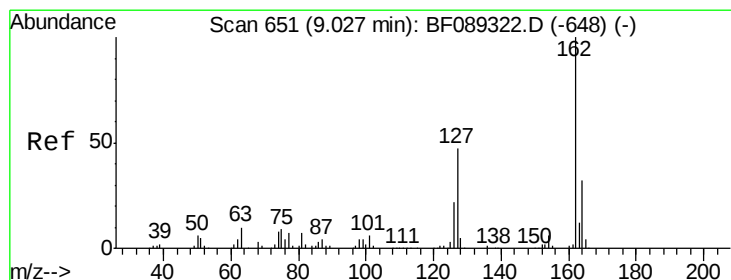
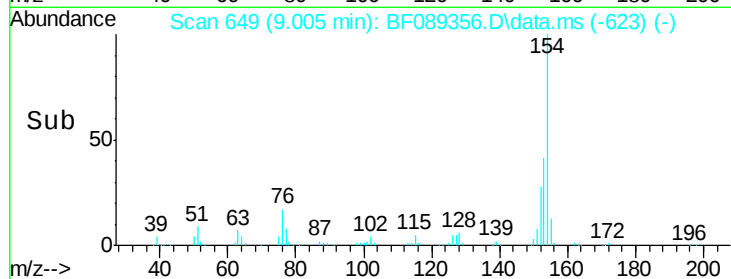
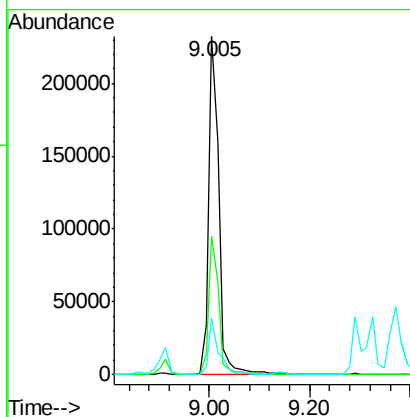
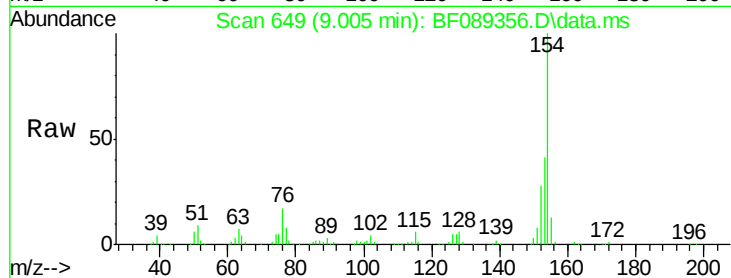




#45
 1,1'-Biphenyl
 Concen: 39.65 ng
 RT: 9.005 min Scan# 649
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

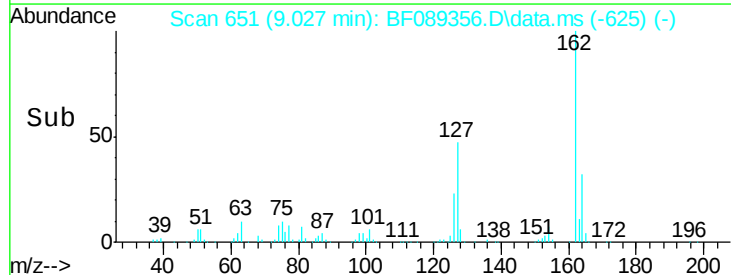
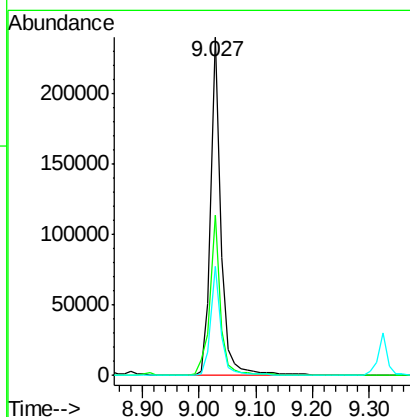
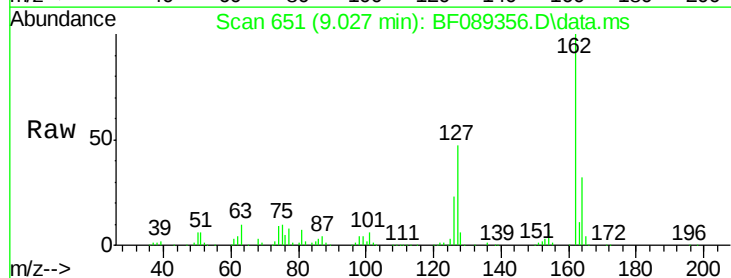
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

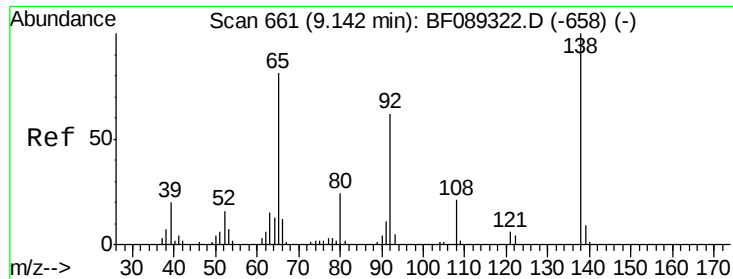
Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.0	61.0
76	16.5	0.0	36.6



#46
 2-Chloronaphthalene
 Concen: 47.18 ng
 RT: 9.027 min Scan# 651
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
162	100		
127	47.3	37.8	56.8
164	32.2	25.8	38.8

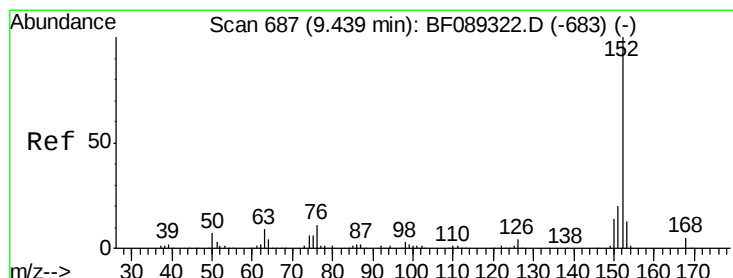
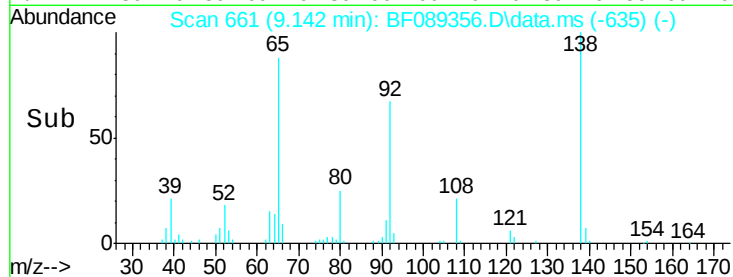
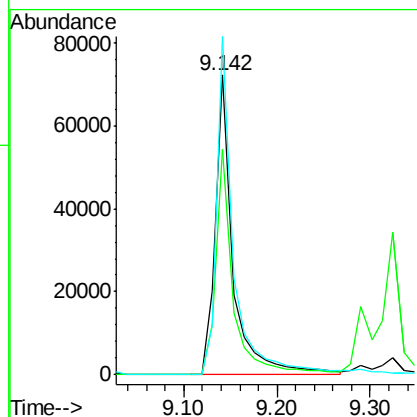
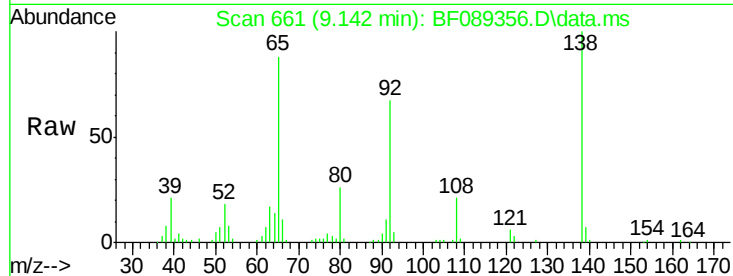




#47
2-Nitroaniline
Concen: 52.41 ng
RT: 9.142 min Scan# 661
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

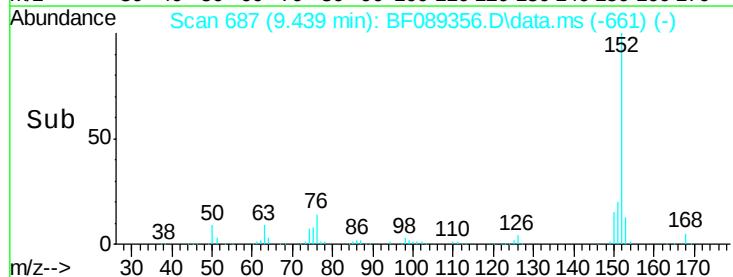
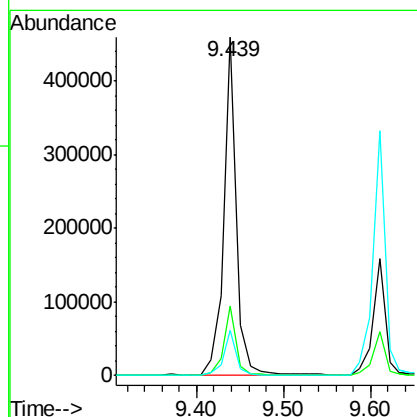
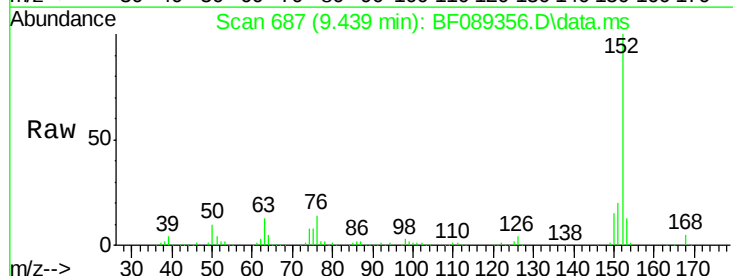
Instrument :
BNA_F
ClientSampleId :
I-4MS

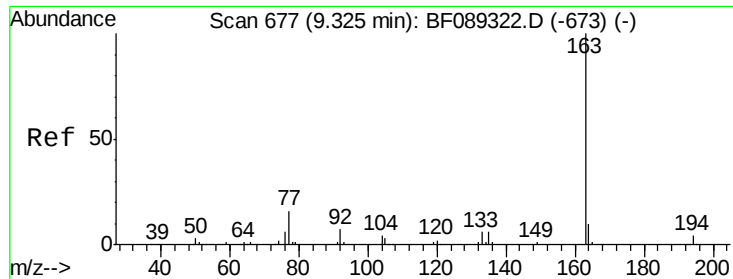
Tot Ion: 65 Resp: 95831
Ion Ratio Lower Upper
65 100
92 75.3 61.0 91.4
138 113.0 99.1 148.7



#48
Acenaphthylene
Concen: 48.56 ng
RT: 9.439 min Scan# 687
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion: 152 Resp: 472214
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.2
153 13.3 10.2 15.4





#49

Dimethylphthalate

Concen: 47.21 ng

RT: 9.325 min Scan# 67

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

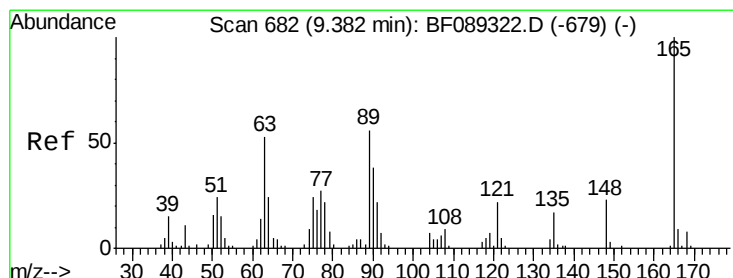
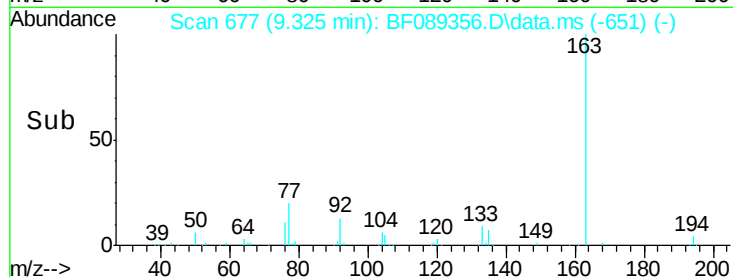
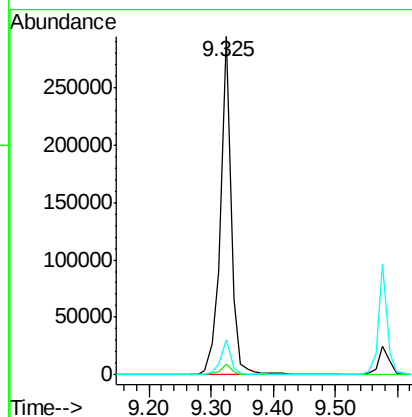
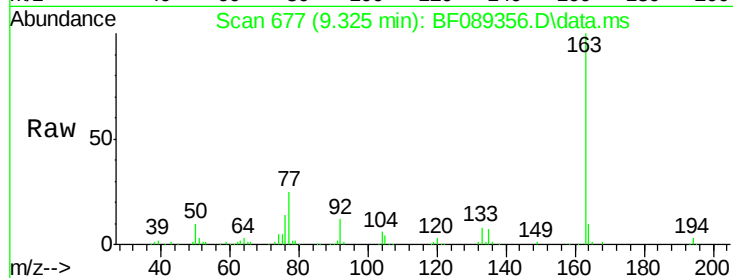
Tot Ion:163 Resp: 346884

Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

164 10.3 7.8 11.8



#50

2,6-Dinitrotoluene

Concen: 48.61 ng

RT: 9.382 min Scan# 682

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

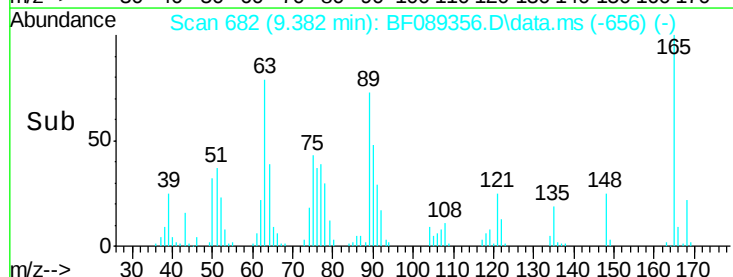
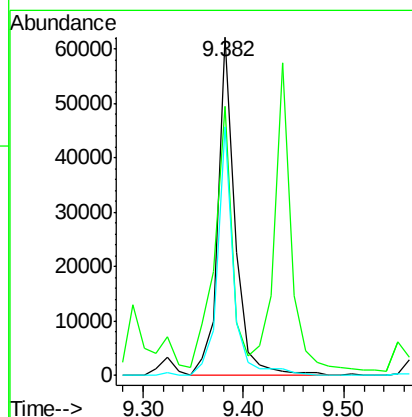
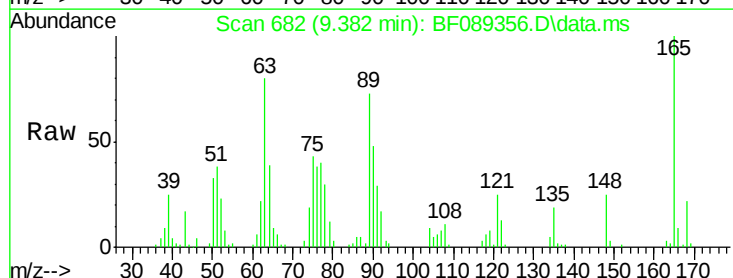
Tgt Ion:165 Resp: 73394

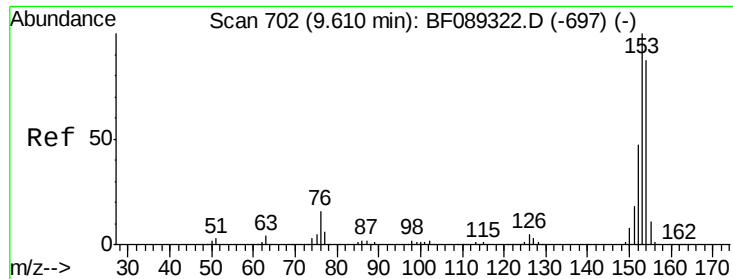
Ion Ratio Lower Upper

165 100

63 79.6 43.5 65.3#

89 73.4 45.0 67.4#





#51

Acenaphthene

Concen: 50.17 ng

RT: 9.610 min Scan# 70

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

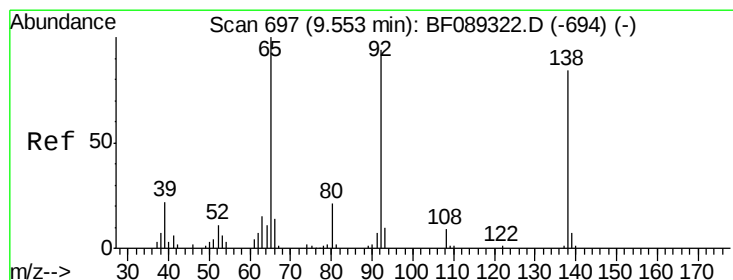
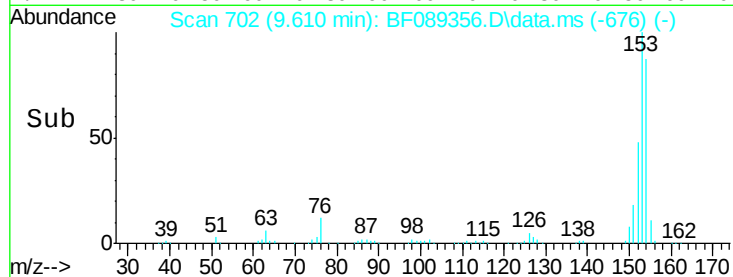
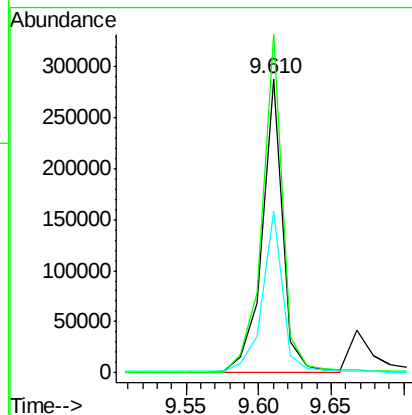
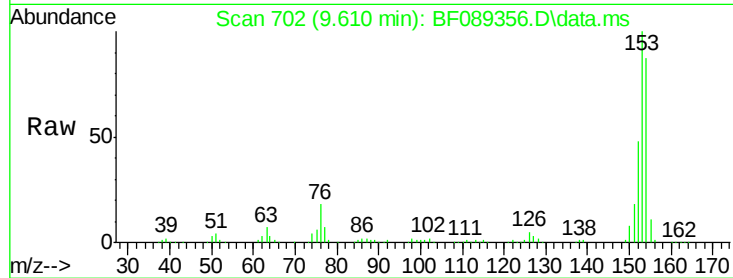
Tot Ion:154 Resp: 284897

Ion Ratio Lower Upper

154 100

153 115.1 91.4 137.2

152 55.0 43.8 65.6



#52

3-Nitroaniline

Concen: 27.53 ng

RT: 9.553 min Scan# 697

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

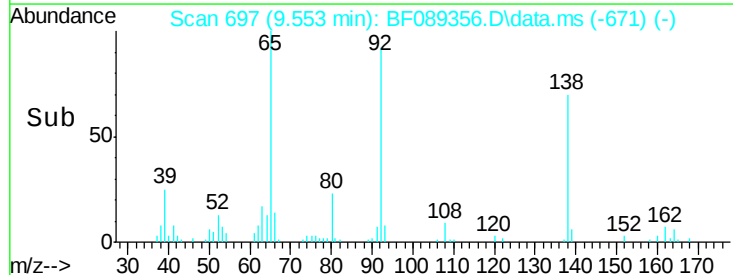
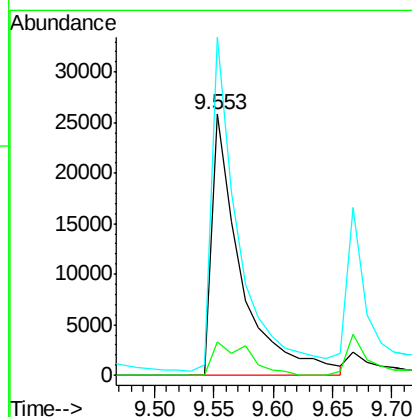
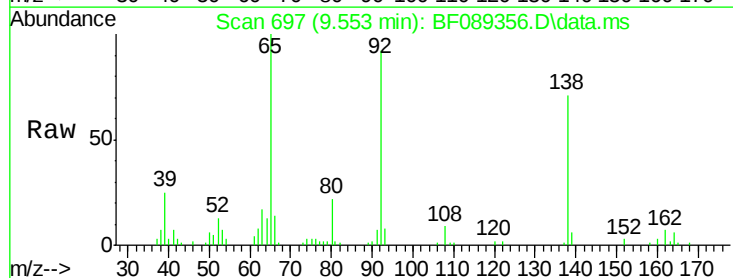
Tgt Ion:138 Resp: 43868

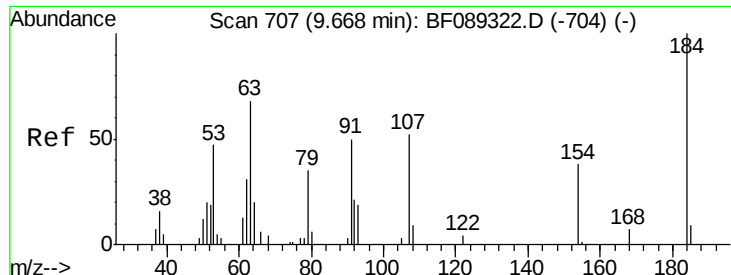
Ion Ratio Lower Upper

138 100

108 12.6 8.6 13.0

92 129.5 90.0 135.0

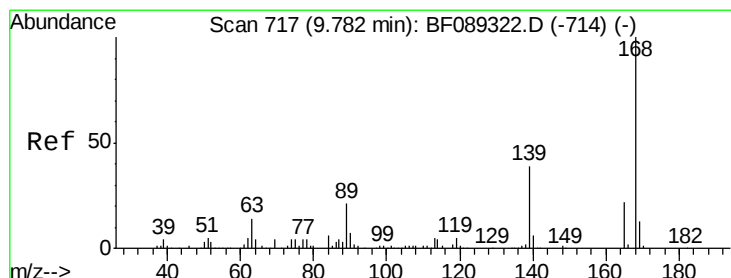
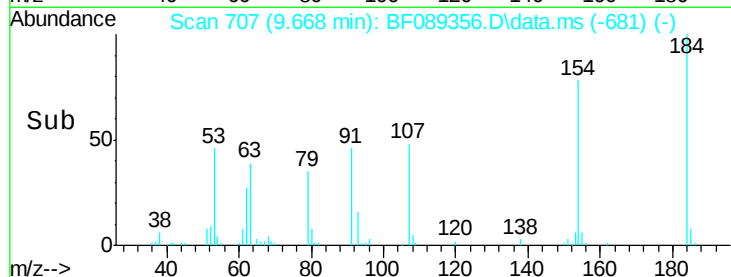
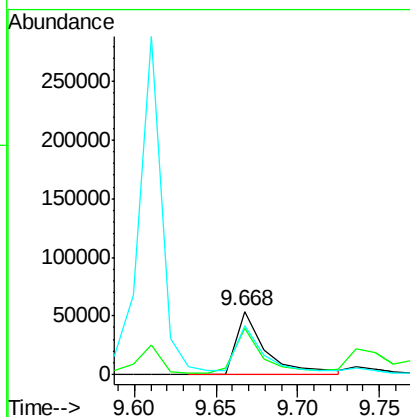
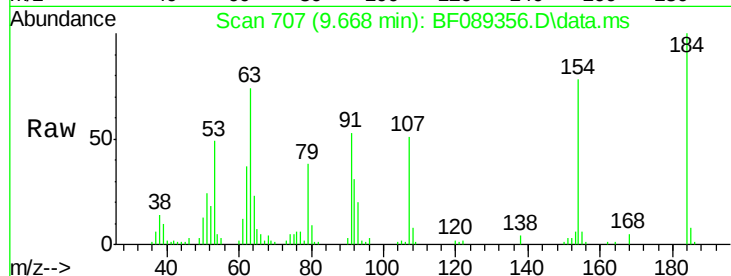




#53
2,4-Dinitrophenol
Concen: 90.35 ng
RT: 9.668 min Scan# 707
Delta R.T. 0.001 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

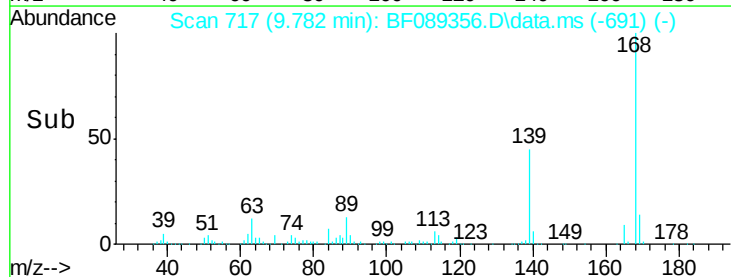
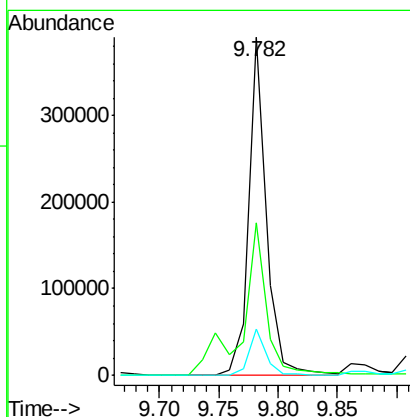
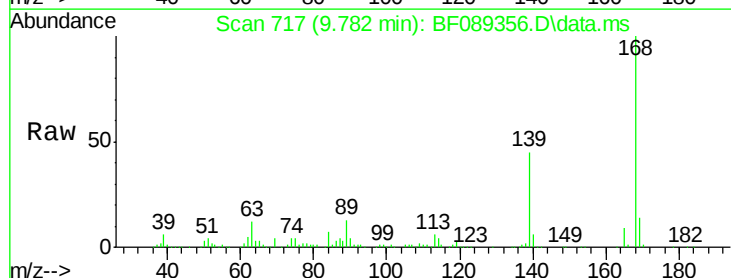
Instrument :
BNA_F
ClientSampleId :
I-4MS

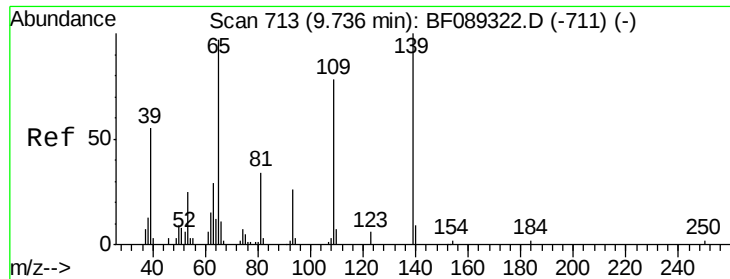
Tot Ion:184 Resp: 67639
Ion Ratio Lower Upper
184 100
63 74.1 60.6 90.8
154 78.0 69.8 104.8



#54
Dibenzofuran
Concen: 52.11 ng
RT: 9.782 min Scan# 717
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion:168 Resp: 403204
Ion Ratio Lower Upper
168 100
139 45.3 33.7 50.5
169 13.6 10.7 16.1





#55

4-Nitrophenol

Concen: 324.09 ng

RT: 9.782 min Scan# 71

Delta R.T. 0.046 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

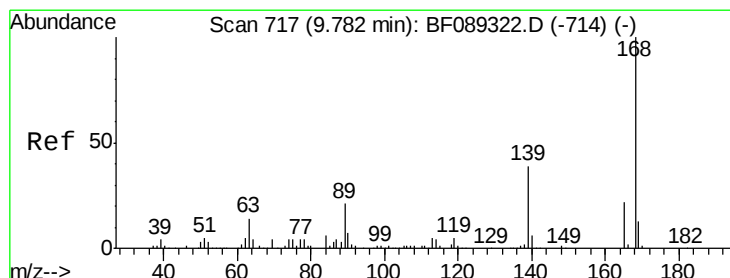
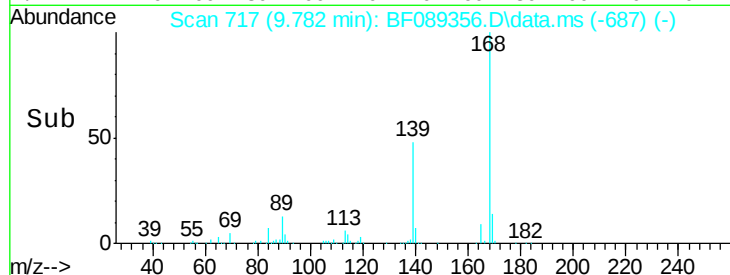
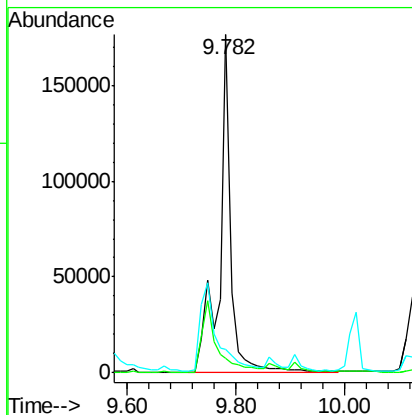
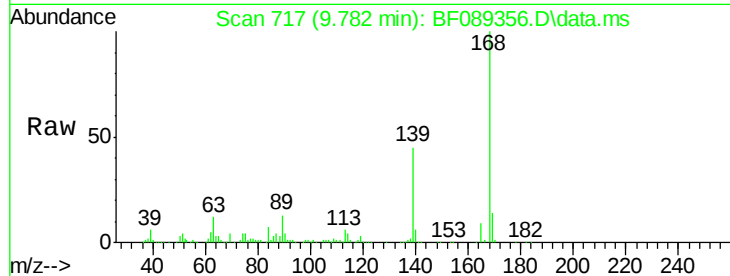
Tot Ion:139 Resp: 267361

Ion Ratio Lower Upper

139 100

109 4.1 57.8 97.8#

65 6.7 81.7 121.7#



#56

2,4-Dinitrotoluene

Concen: 54.59 ng

RT: 9.793 min Scan# 718

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion:165 Resp: 108499

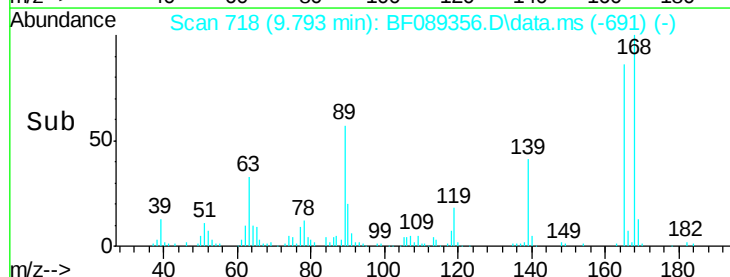
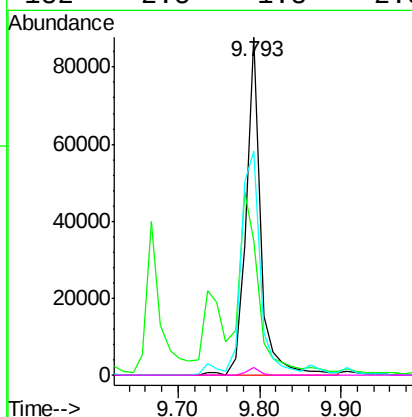
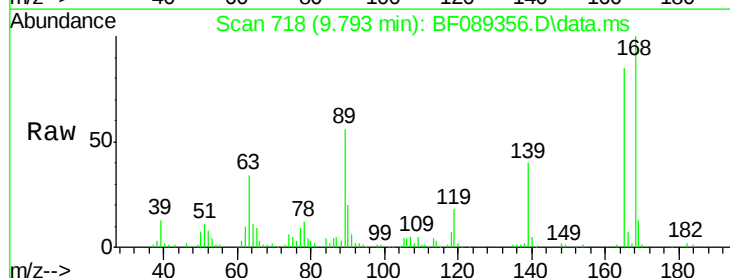
Ion Ratio Lower Upper

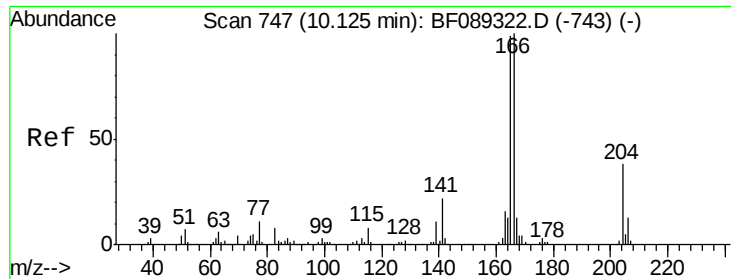
165 100

63 39.9 58.2 87.2#

89 66.5 79.1 118.7#

182 2.5 1.8 2.8

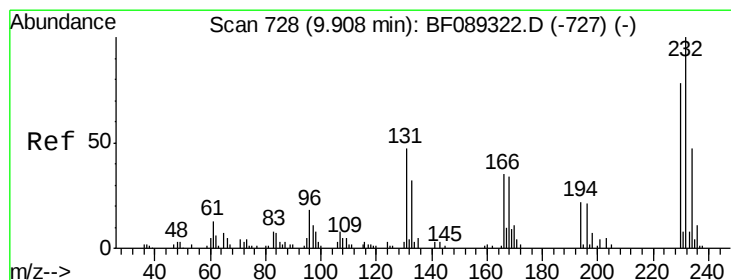
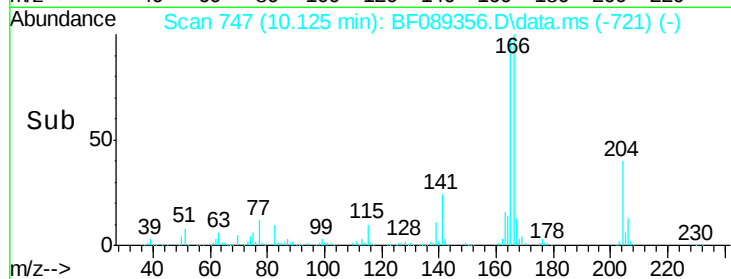
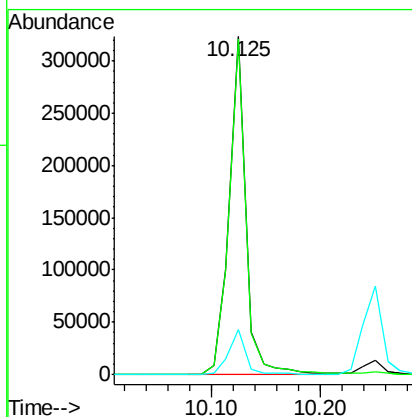
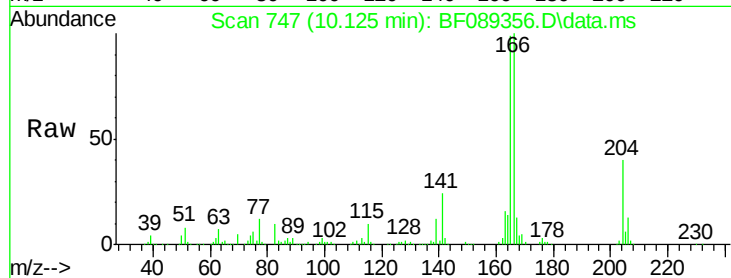




#57
 Fluorene
 Concen: 50.97 ng
 RT: 10.125 min Scan# 747
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

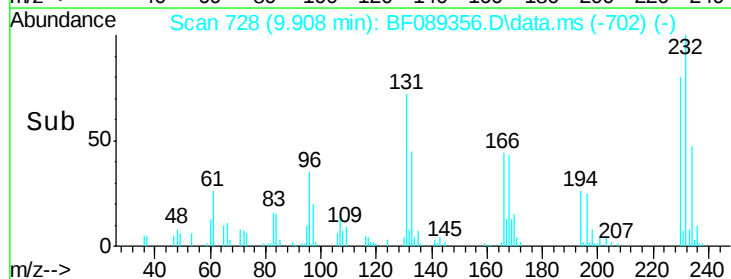
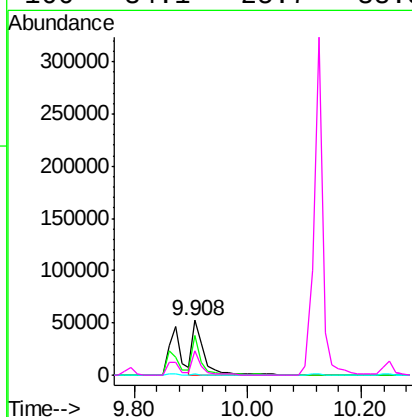
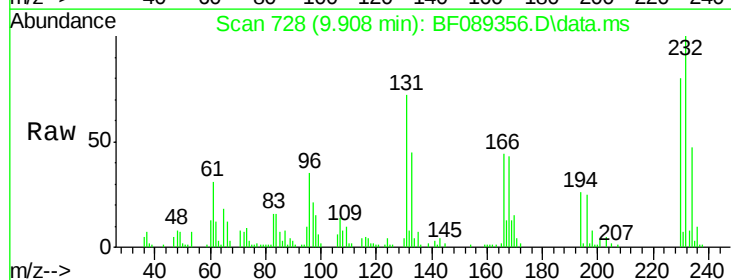
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

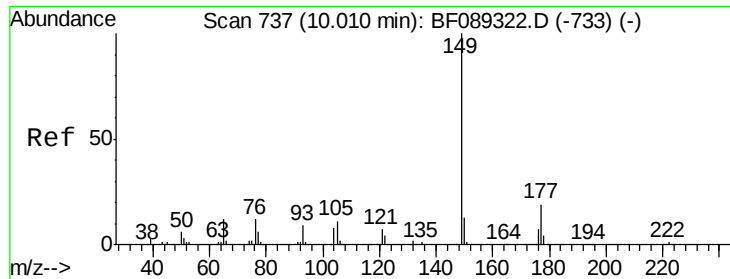
Tot Ion:166 Resp: 344283
 Ion Ratio Lower Upper
 166 100
 165 99.3 79.0 118.4
 167 13.4 10.2 15.2



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 55.84 ng
 RT: 9.908 min Scan# 728
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:232 Resp: 75858
 Ion Ratio Lower Upper
 232 100
 131 57.2 42.7 64.1
 130 2.4 1.7 2.5
 166 34.1 25.7 38.5

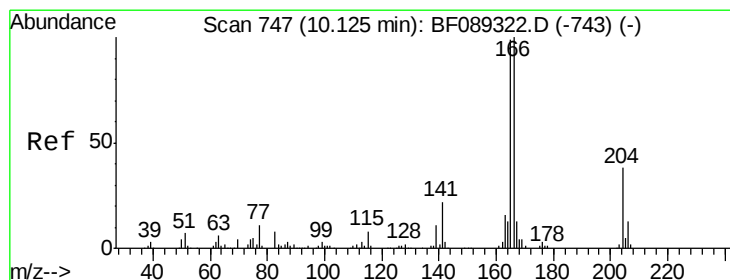
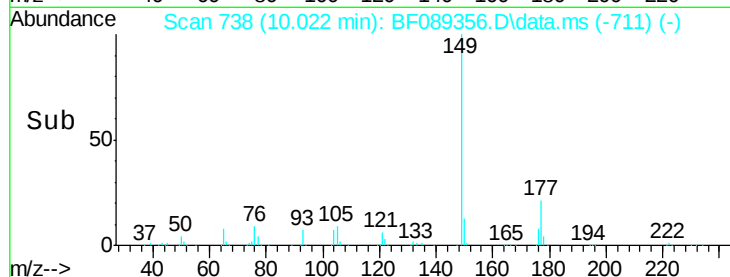
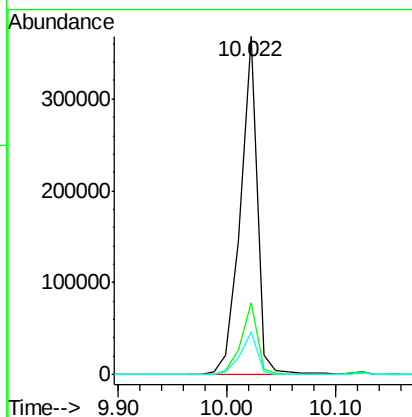
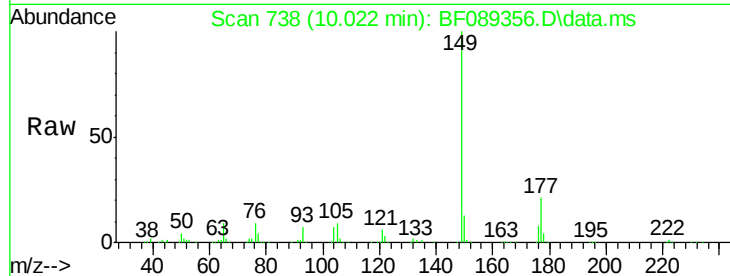




#59
Diethylphthalate
Concen: 52.46 ng
RT: 10.022 min Scan# 737
Delta R.T. 0.011 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

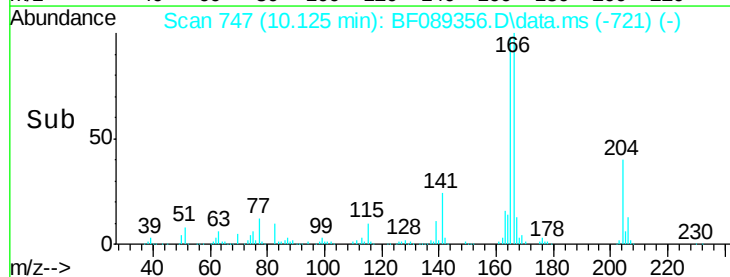
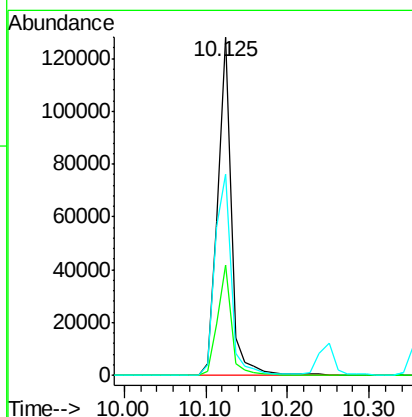
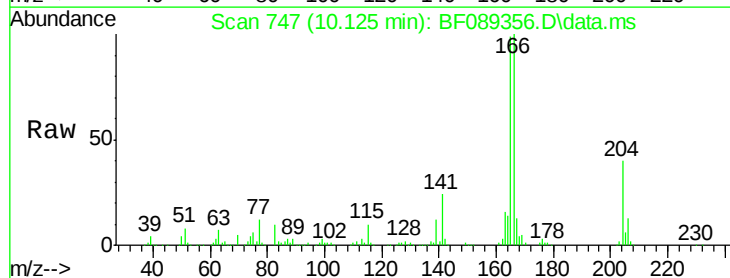
Instrument :
BNA_F
ClientSampleId :
I-4MS

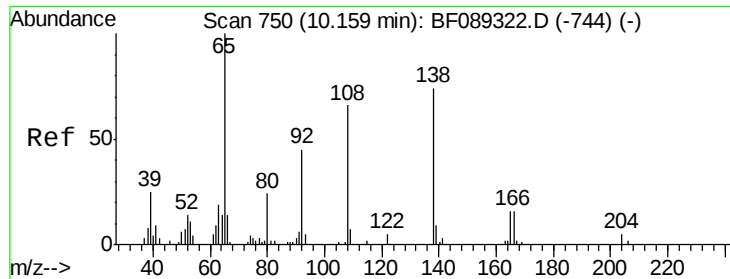
Tot Ion	Ratio	Lower	Upper
149	100		
177	21.3	15.1	22.7
150	12.5	10.2	15.4



#60
4-Chlorophenyl-phenylether
Concen: 48.17 ng
RT: 10.125 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.6	39.8
141	59.7	46.6	70.0





#61

4-Nitroaniline

Concen: 44.06 ng

RT: 10.170 min Scan# 751

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

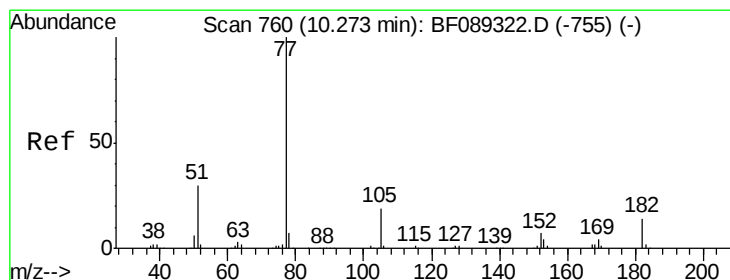
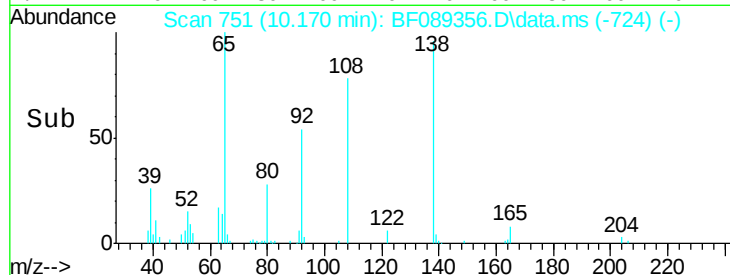
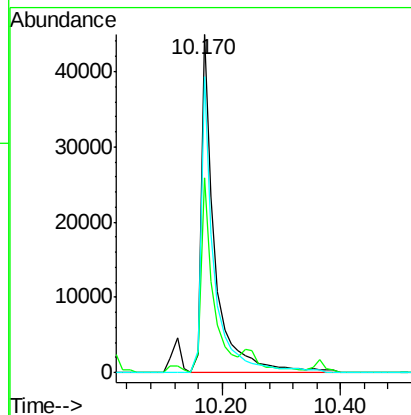
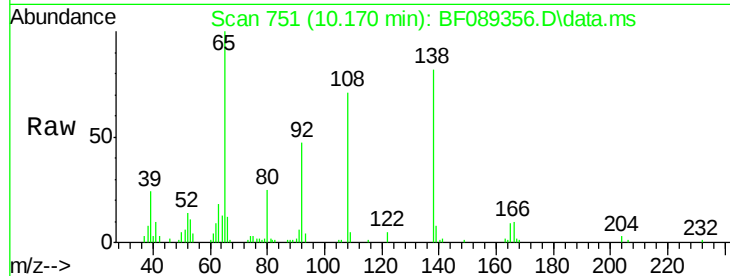
Tot Ion:138 Resp: 72363

Ion Ratio Lower Upper

138 100

92 57.4 41.2 81.2

108 87.3 69.6 109.6



#62

Azobenzene

Concen: 52.18 ng

RT: 10.285 min Scan# 761

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Tgt Ion: 77 Resp: 400323

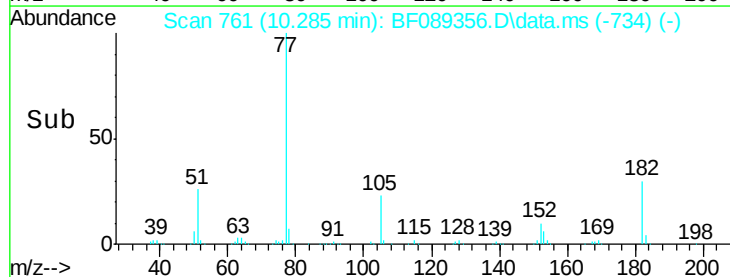
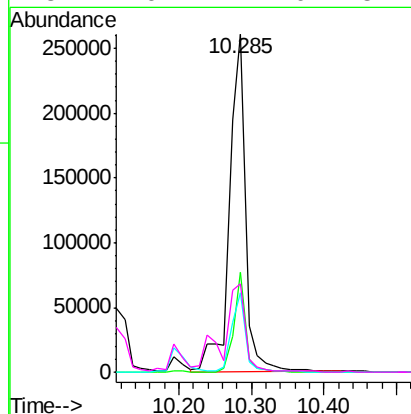
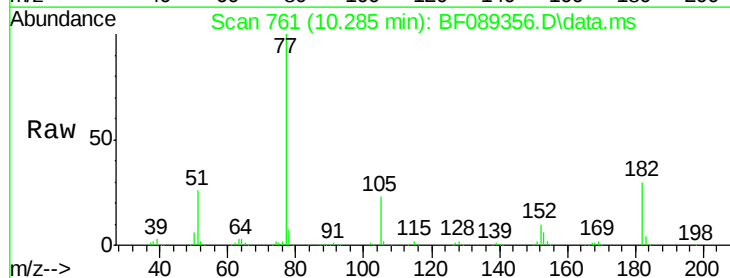
Ion Ratio Lower Upper

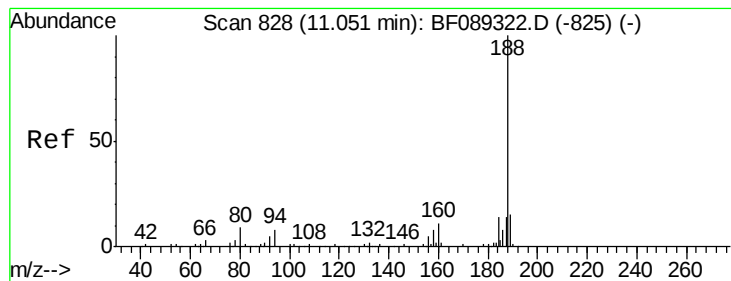
77 100

182 29.6 0.0 33.8

105 23.5 0.0 39.8

51 26.2 11.0 51.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.051 min Scan# 82

Delta R.T. 0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

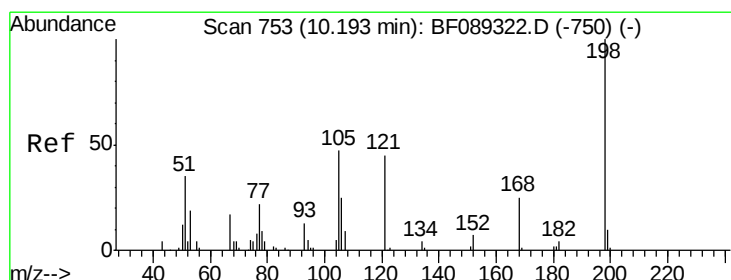
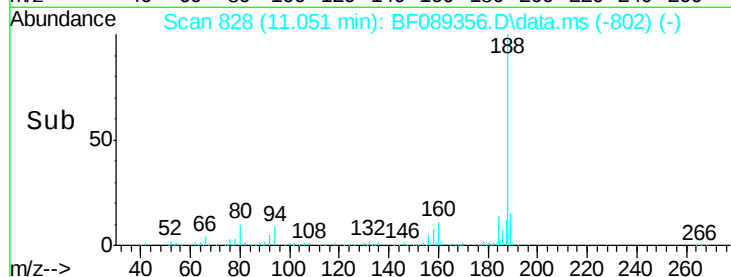
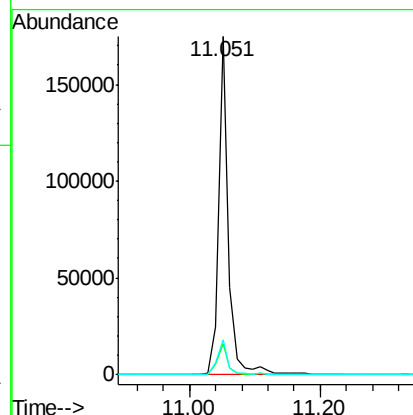
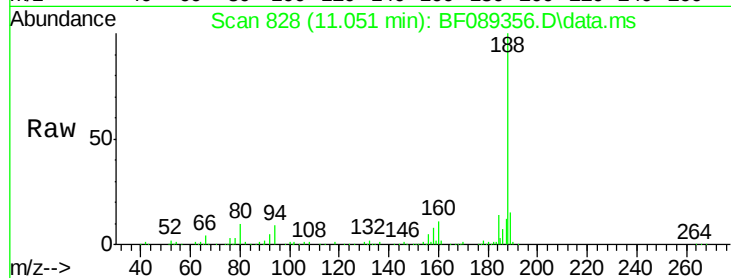
Tot Ion:188 Resp: 184462

Ion Ratio Lower Upper

188 100

94 9.3 6.5 9.7

80 10.2 7.2 10.8



#64

4,6-Dinitro-2-methylphenol

Concen: 45.02 ng

RT: 10.205 min Scan# 754

Delta R.T. 0.012 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

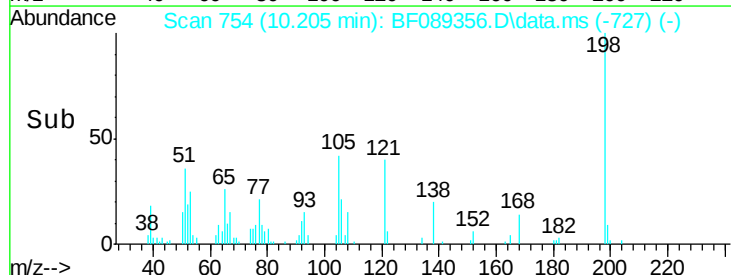
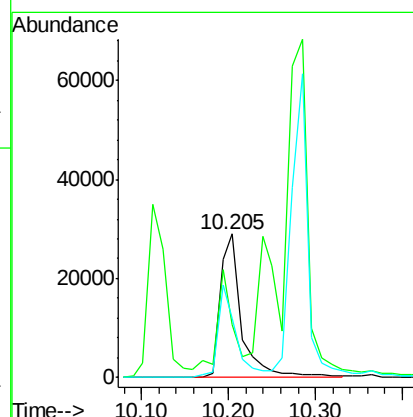
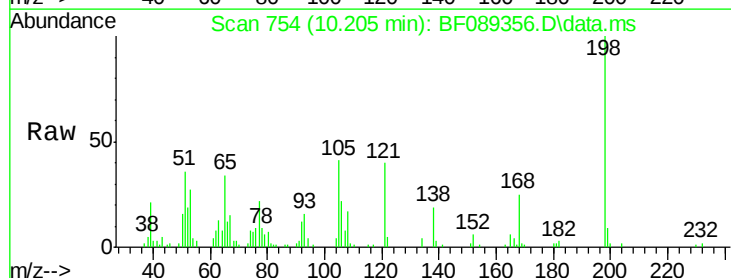
Tgt Ion:198 Resp: 49788

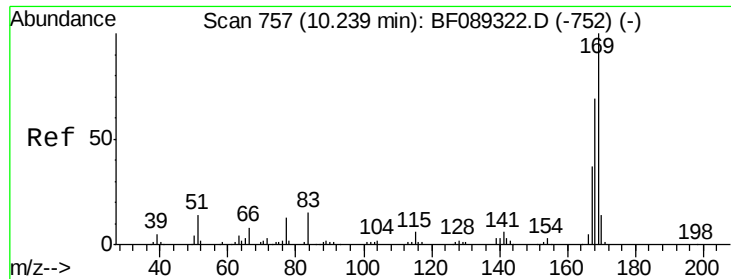
Ion Ratio Lower Upper

198 100

51 36.5 23.0 63.0

105 41.1 28.3 68.3





#65

n-Nitrosodiphenylamine

Concen: 51.00 ng

RT: 10.250 min Scan# 75

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

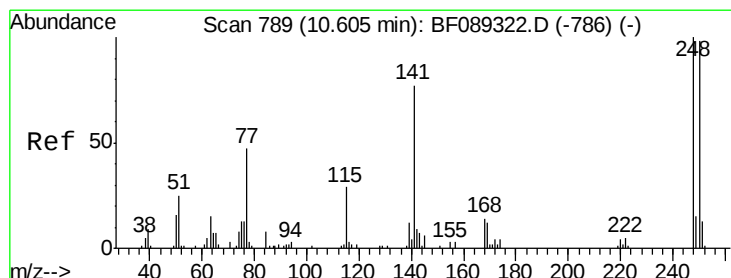
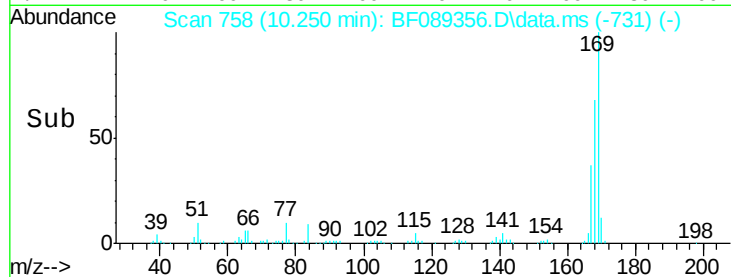
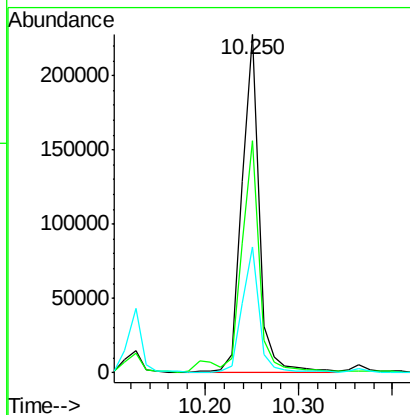
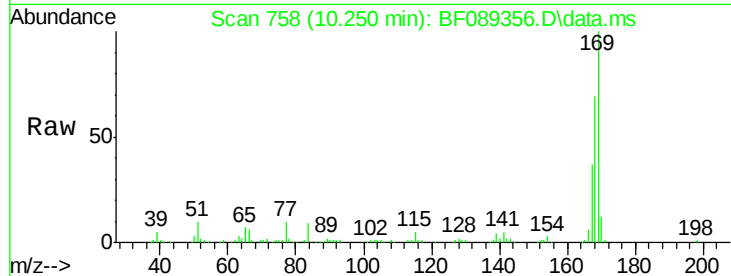
Tot Ion:169 Resp: 293542

Ion Ratio Lower Upper

169 100

168 68.6 55.4 83.0

167 37.2 29.7 44.5



#66

4-Bromophenyl-phenylether

Concen: 51.86 ng

RT: 10.605 min Scan# 789

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

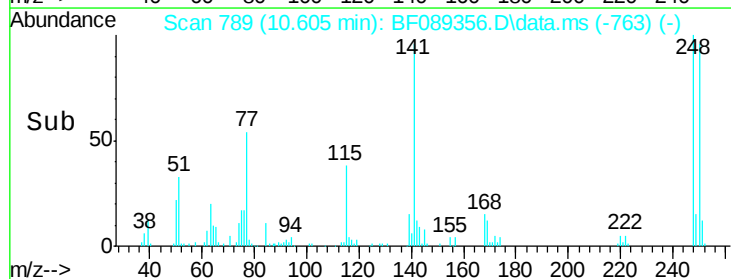
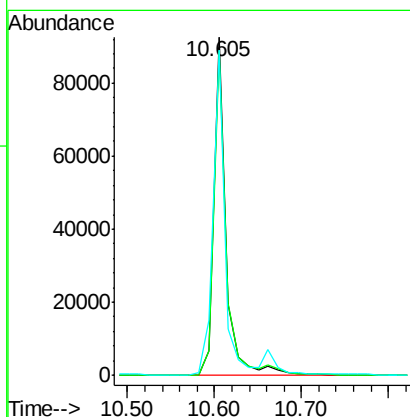
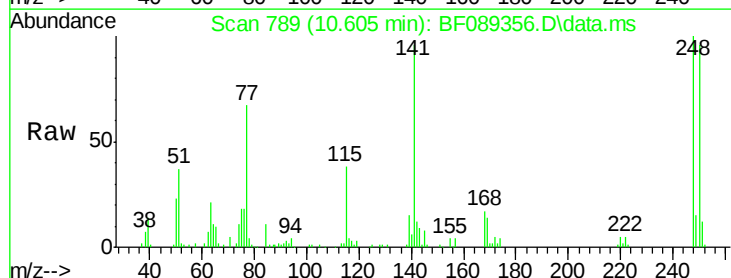
Tgt Ion:248 Resp: 91337

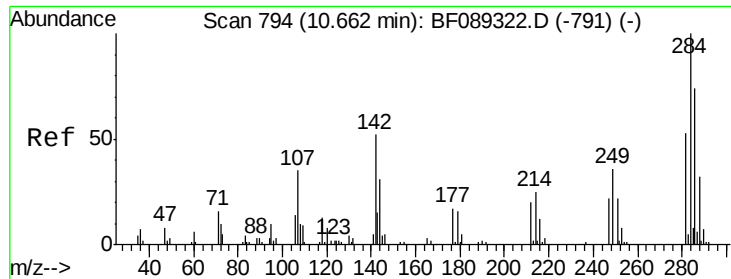
Ion Ratio Lower Upper

248 100

250 95.8 78.2 117.2

141 96.4 62.0 93.0#

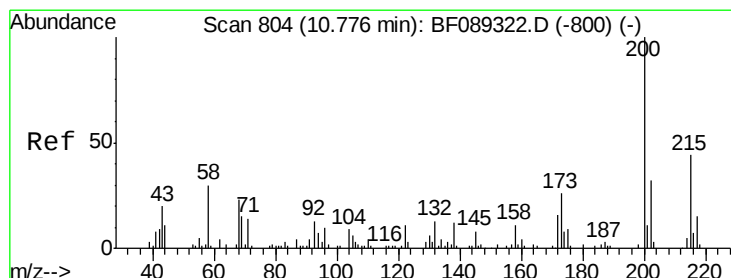
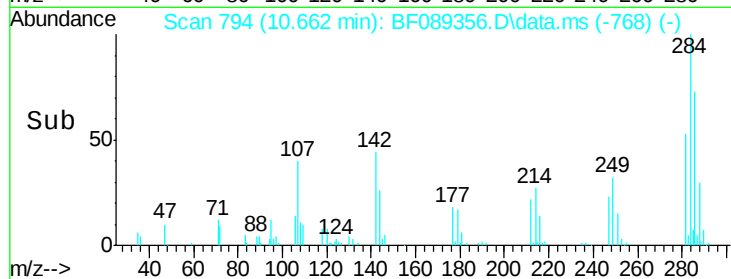
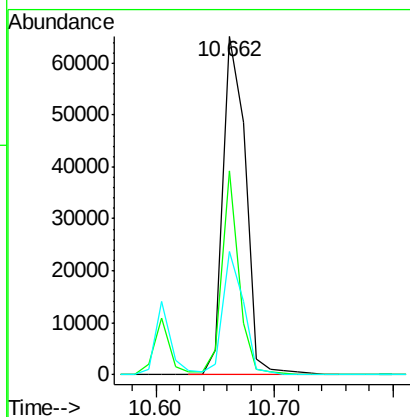
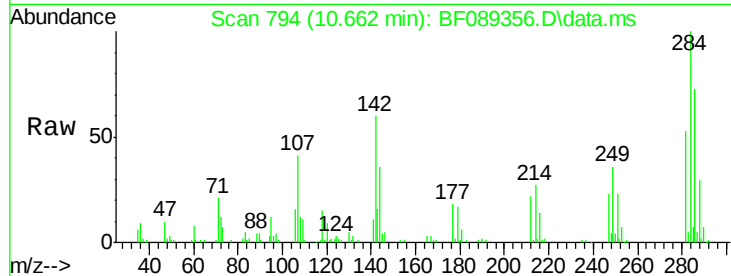




#67
Hexachlorobenzene
Concen: 47.11 ng
RT: 10.662 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

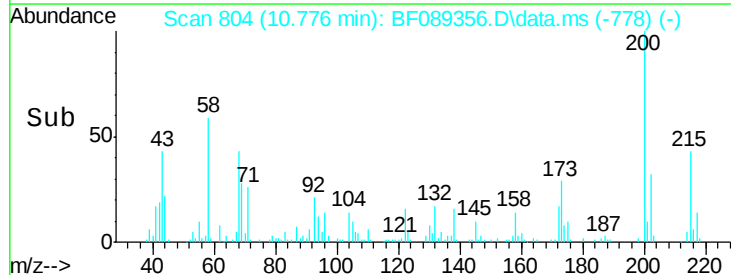
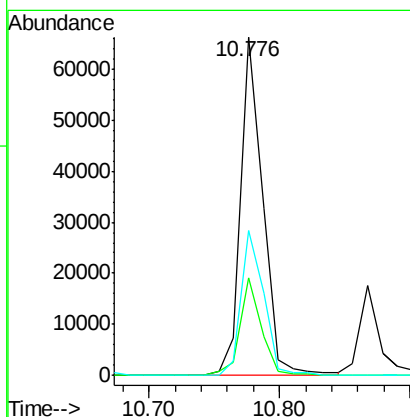
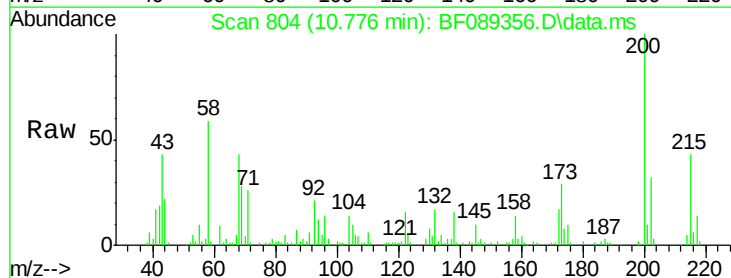
Instrument :
BNA_F
ClientSampleId :
I-4MS

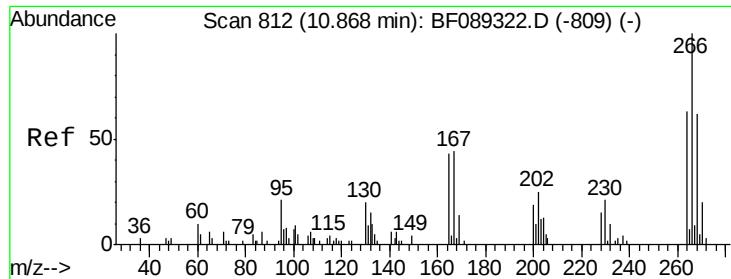
Tot Ion	Ratio	Lower	Upper
284	100		
142	60.3	42.2	63.4
249	36.3	29.4	44.0



#68
Atrazine
Concen: 43.81 ng
RT: 10.776 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.7	6.0	46.0
215	43.0	24.3	64.3

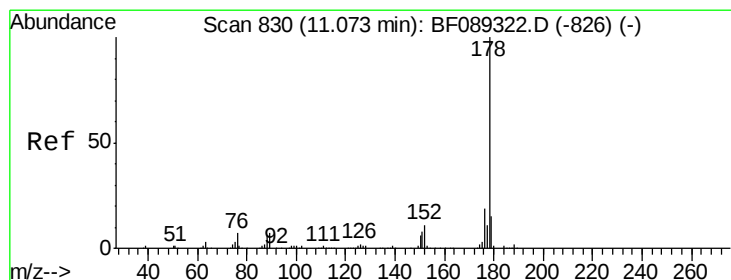
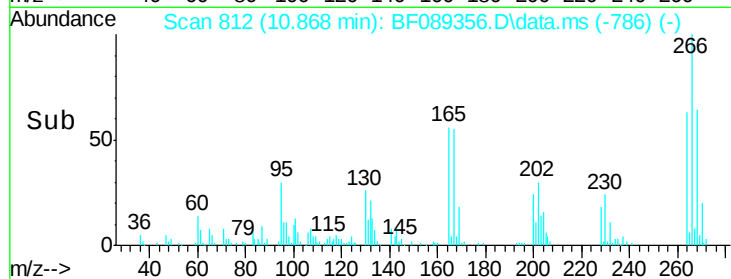
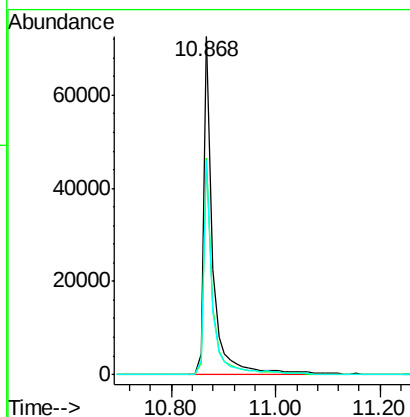
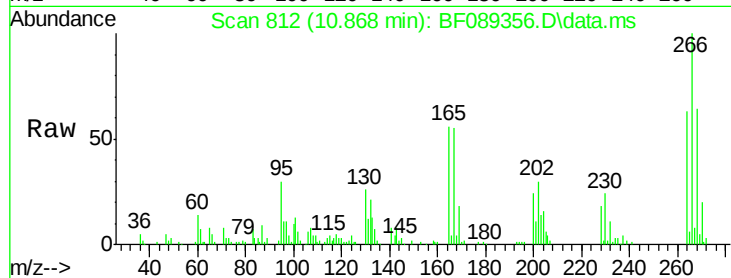




#69
 Pentachlorophenol
 Concen: 99.93 ng
 RT: 10.868 min Scan# 81
 Delta R.T. 0.001 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

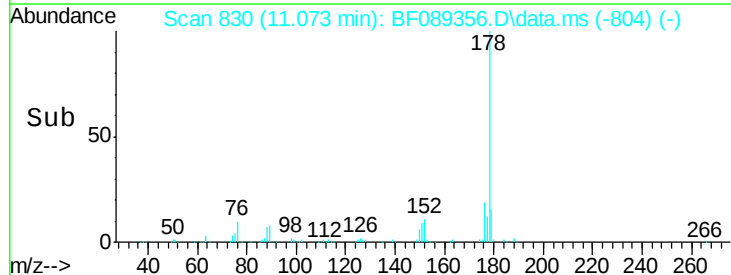
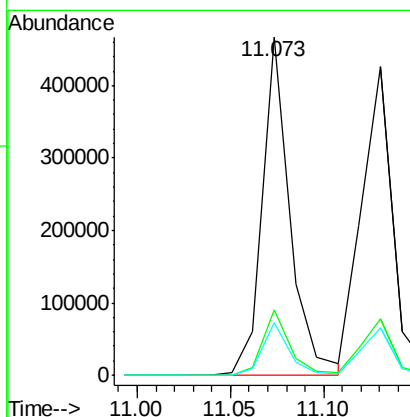
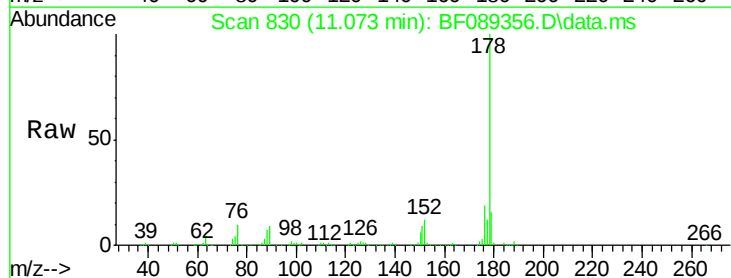
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

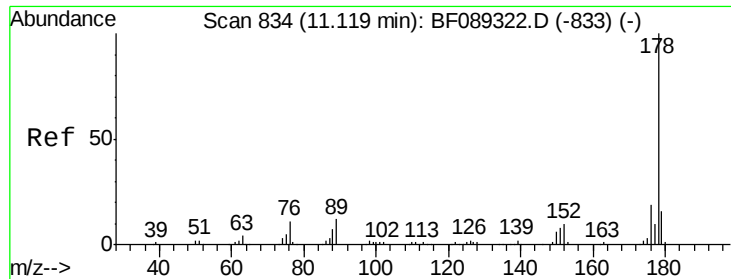
Tot Ion:266 Resp: 88805
 Ion Ratio Lower Upper
 266 100
 268 63.9 49.4 74.2
 264 63.4 50.2 75.2



#70
 Phenanthrene
 Concen: 50.29 ng
 RT: 11.073 min Scan# 830
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:178 Resp: 478415
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.5 23.3
 179 15.7 12.3 18.5





#71

Anthracene

Concen: 49.31 ng

RT: 11.131 min Scan# 83

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

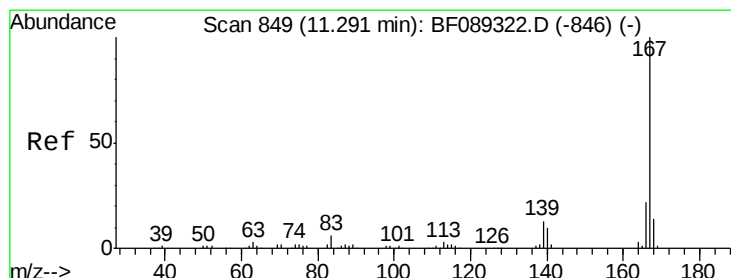
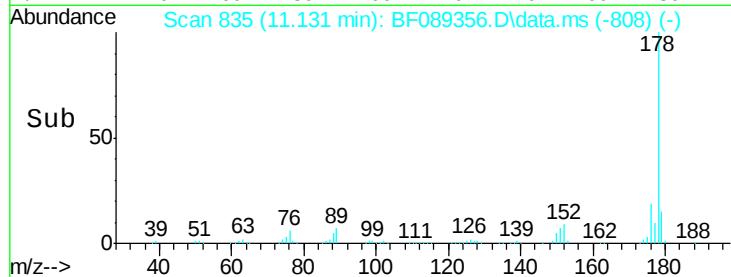
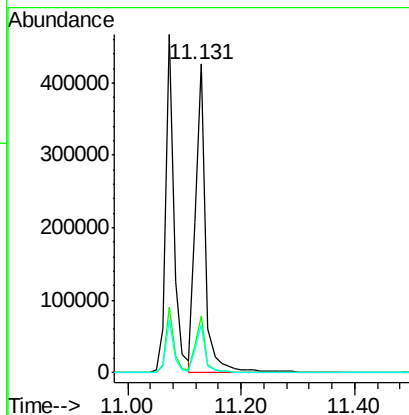
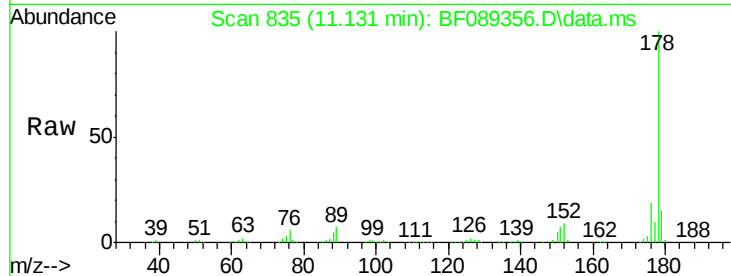
Tot Ion:178 Resp: 521562

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

179 15.4 12.6 18.8



#72

Carbazole

Concen: 52.73 ng

RT: 11.291 min Scan# 849

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

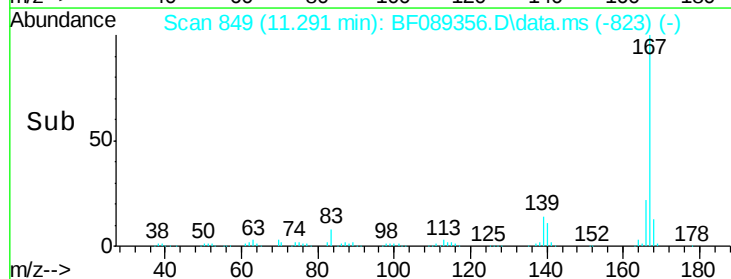
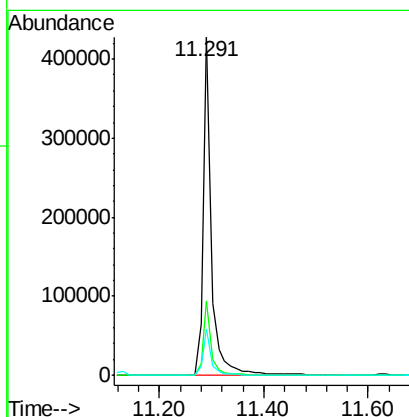
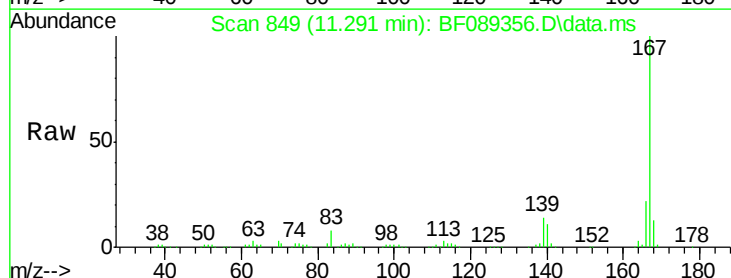
Tgt Ion:167 Resp: 469542

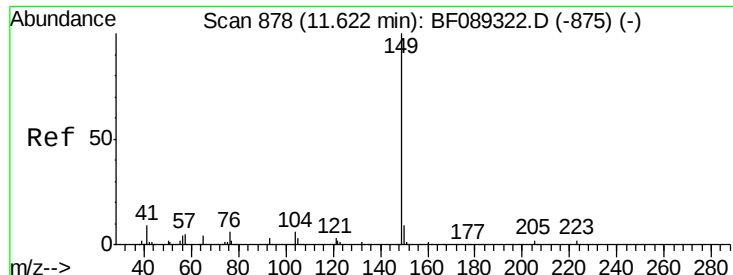
Ion Ratio Lower Upper

167 100

166 21.9 17.6 26.4

139 13.6 10.1 15.1





#73

Di-n-butylphthalate

Concen: 48.85 ng

RT: 11.633 min Scan# 87

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

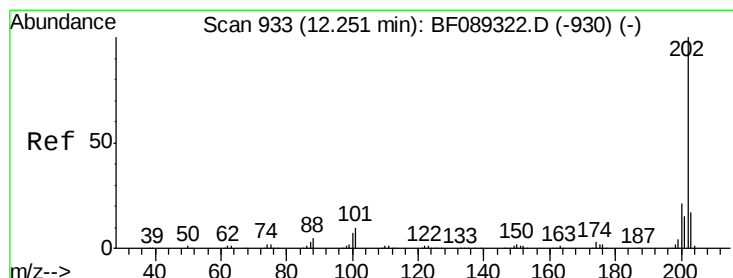
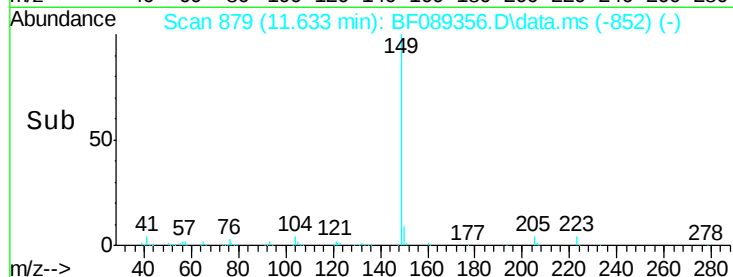
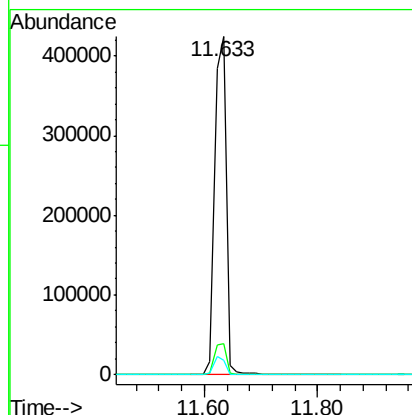
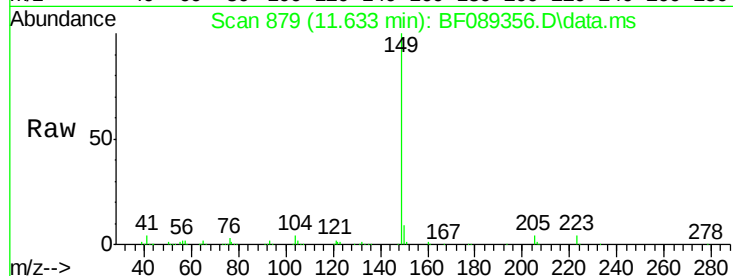
Tot Ion:149 Resp: 583556

Ion Ratio Lower Upper

149 100

150 9.0 7.4 11.0

104 4.1 4.7 7.1#



#74

Fluoranthene

Concen: 49.67 ng

RT: 12.251 min Scan# 933

Delta R.T. 0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

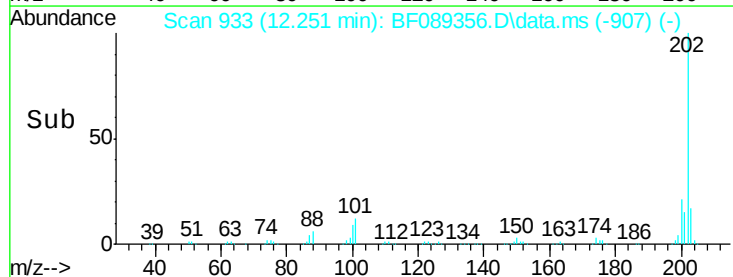
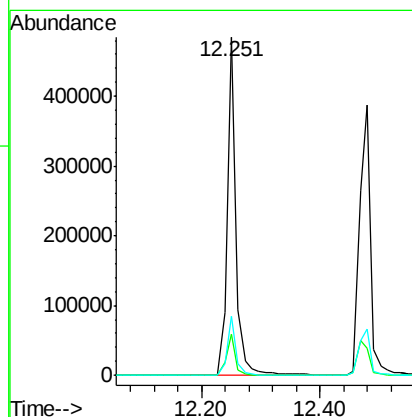
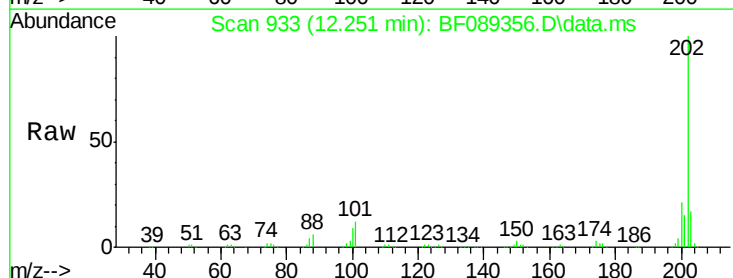
Tgt Ion:202 Resp: 497072

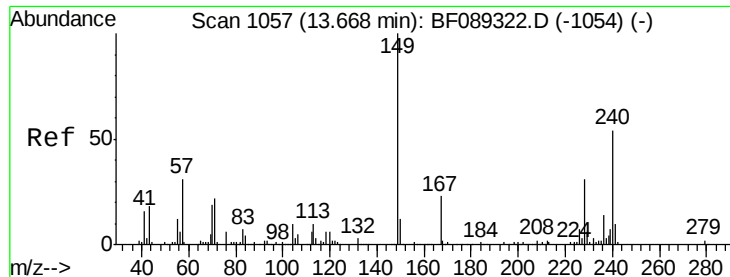
Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.9

203 17.4 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.668 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

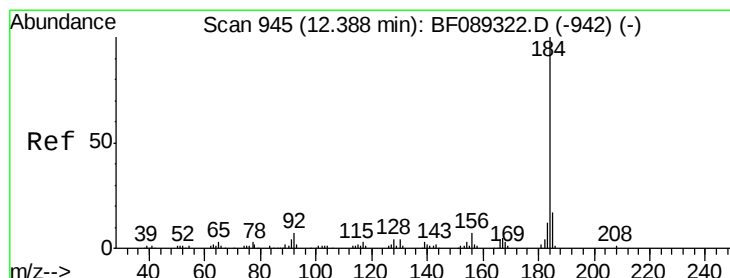
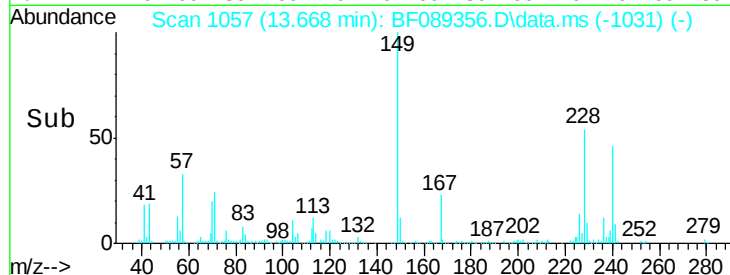
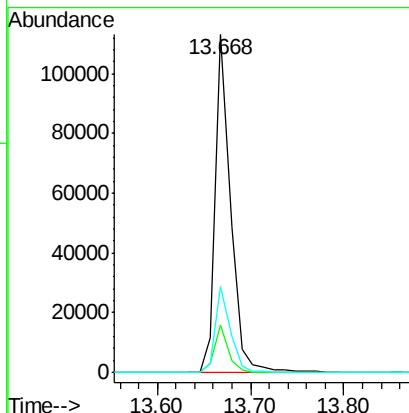
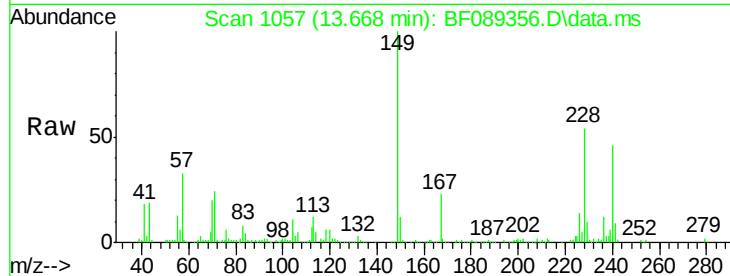
Tot Ion:240 Resp: 129117

Ion Ratio Lower Upper

240 100

120 13.9 9.1 13.7#

236 25.5 20.6 30.8



#76

Benzidine

Concen: 3.97 ng

RT: 12.411 min Scan# 947

Delta R.T. 0.024 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

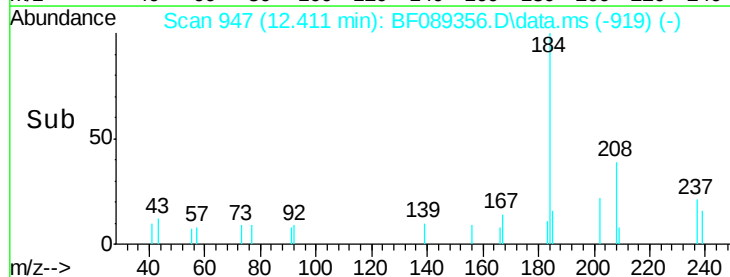
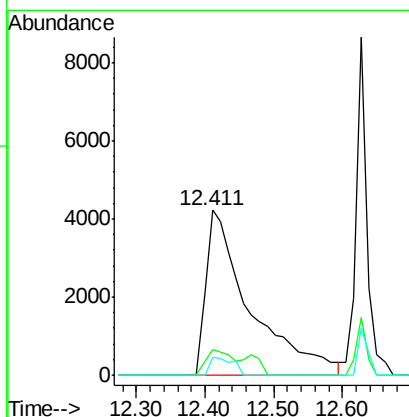
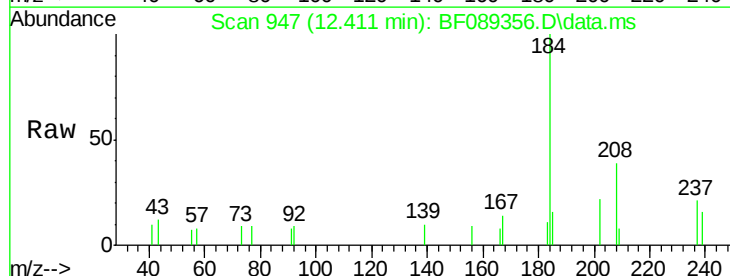
Tgt Ion:184 Resp: 18934

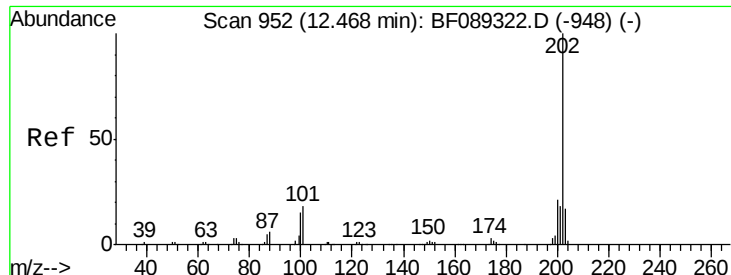
Ion Ratio Lower Upper

184 100

185 15.9 13.5 20.3

183 11.2 9.8 14.6





#77

Pvrene

Concen: 50.85 ng

RT: 12.479 min Scan# 95

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

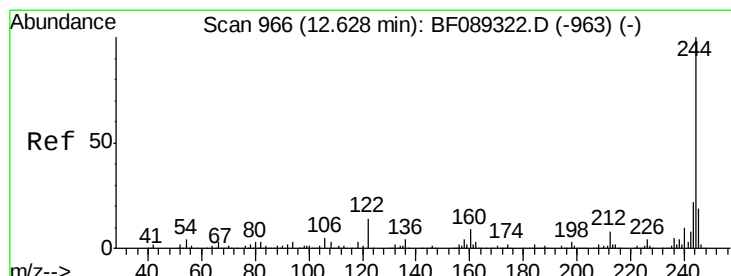
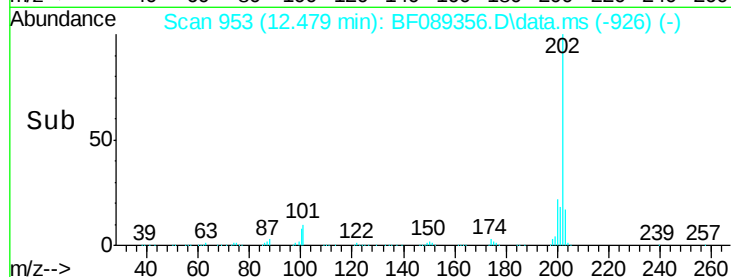
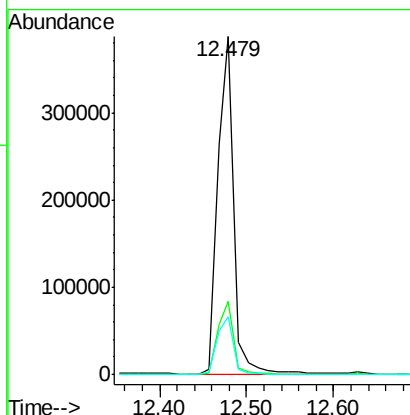
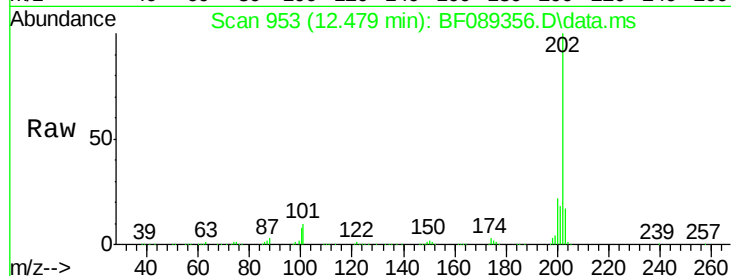
Tot Ion:202 Resp: 497606

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 17.2 14.0 21.0



#78

Terphenyl-d14

Concen: 97.89 ng

RT: 12.628 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

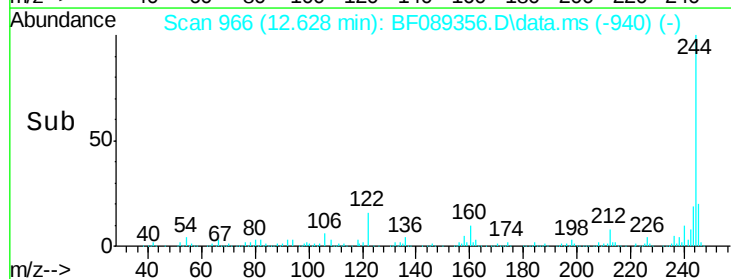
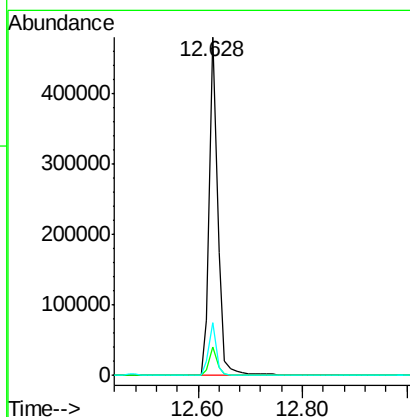
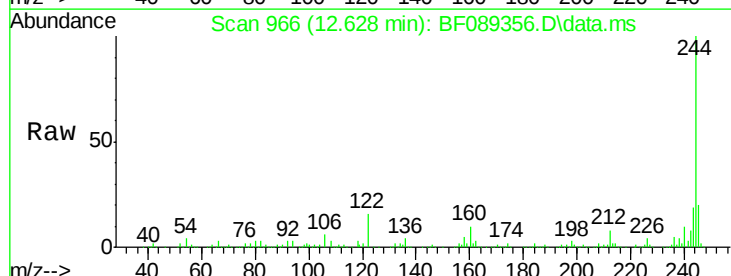
Tgt Ion:244 Resp: 540009

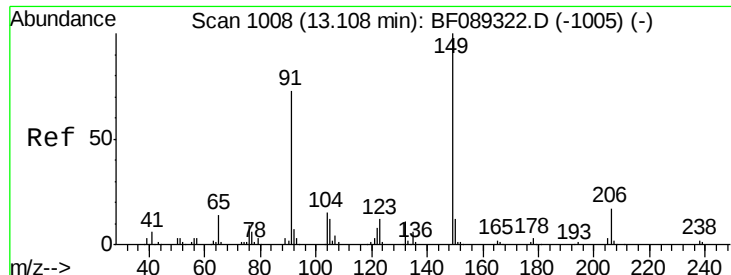
Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

122 15.7 11.4 17.0

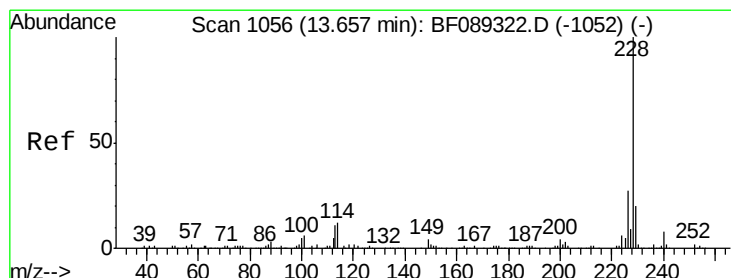
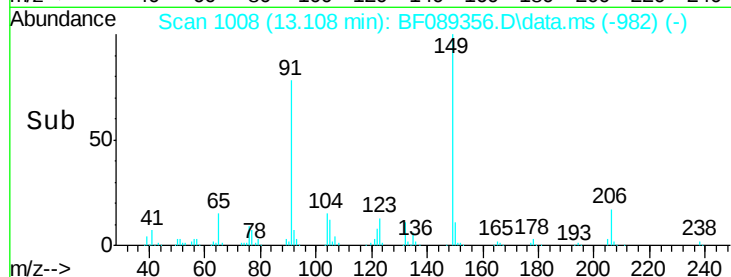
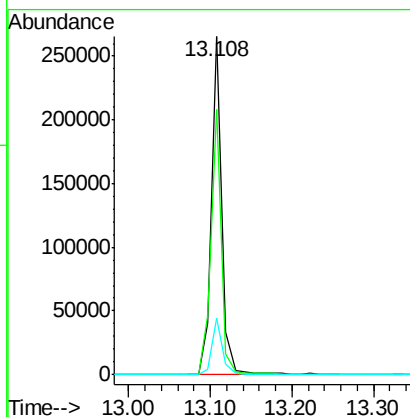
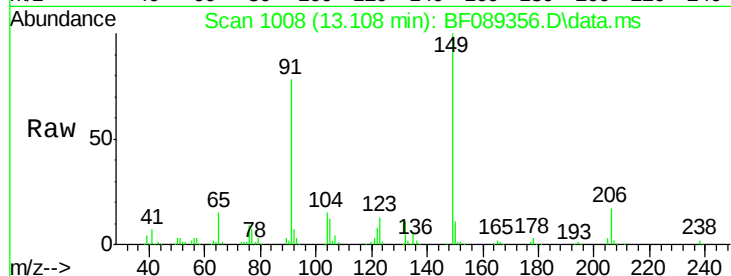




#79
Butylbenzylphthalate
Concen: 53.99 ng
RT: 13.108 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

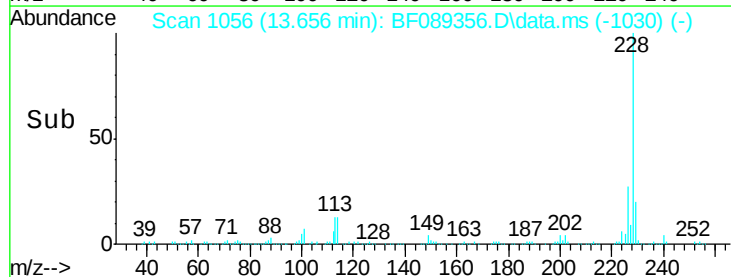
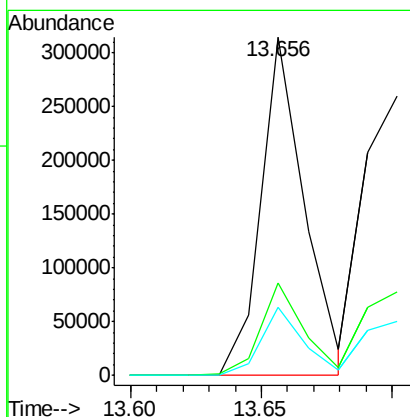
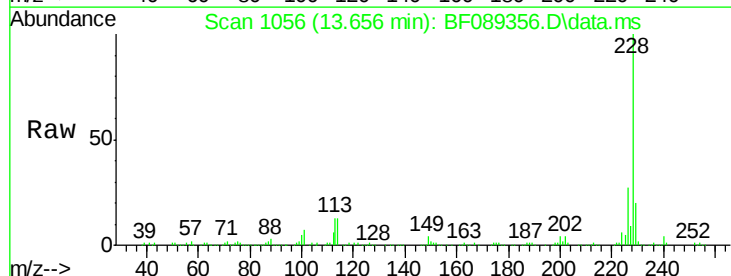
Instrument :
BNA_F
ClientSampleId :

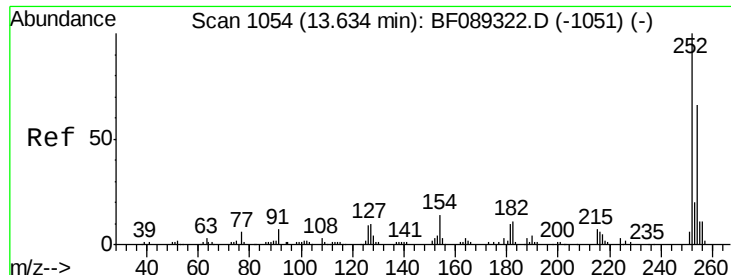
Tot Ion:149 Resp: 240193
Ion Ratio Lower Upper
149 100
91 78.4 58.5 87.7
206 16.6 13.8 20.8



#80
Benzo(a)anthracene
Concen: 49.71 ng
RT: 13.656 min Scan# 1056
Delta R.T. -0.000 min
Lab File: BF089356.D
Acq: 28 Jul 2016 9:51

Tgt Ion:228 Resp: 362189
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 20.0 15.9 23.9

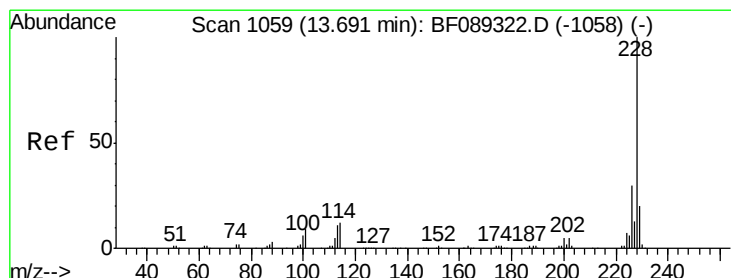
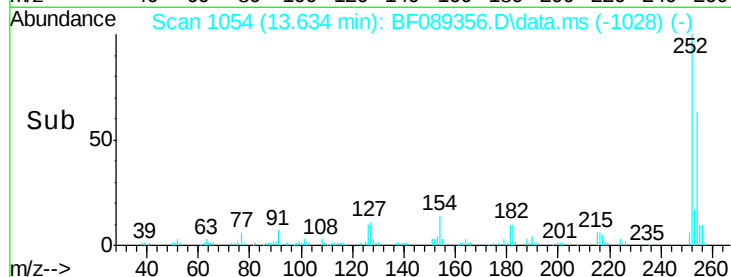
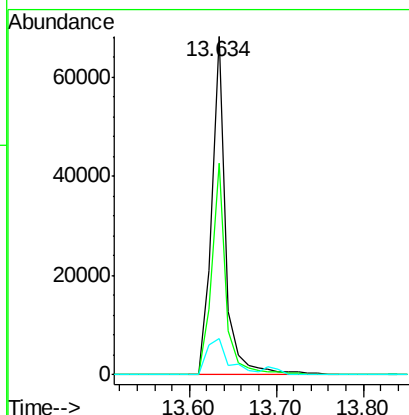
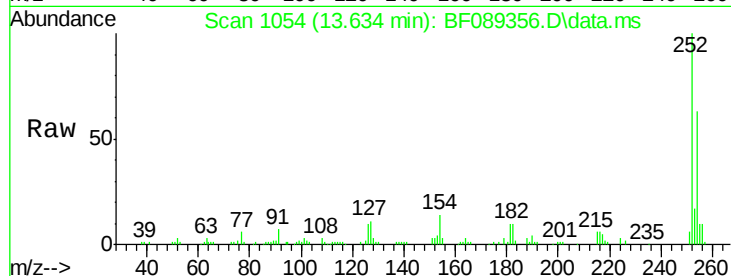




#81
 3,3'-Dichlorobenzidine
 Concen: 29.43 ng
 RT: 13.634 min Scan# 1054
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

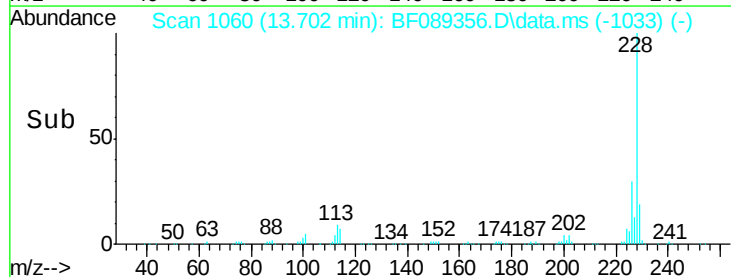
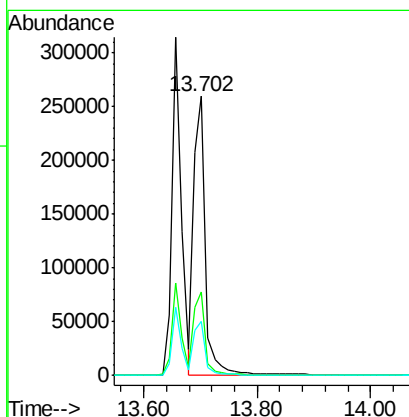
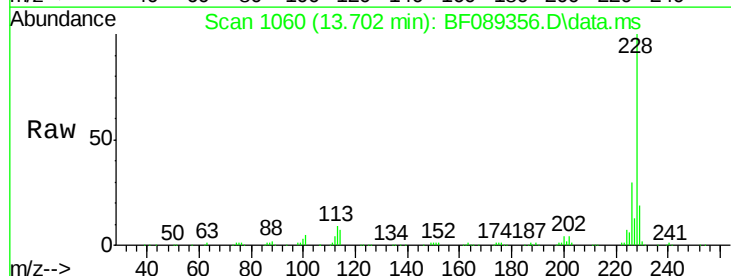
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

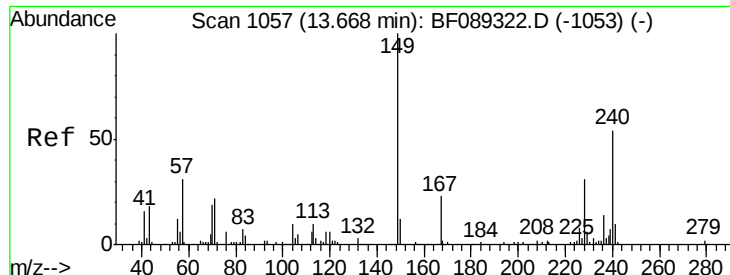
Tot Ion:252 Resp: 77168
 Ion Ratio Lower Upper
 252 100
 254 62.6 52.5 78.7
 126 10.5 7.4 11.2



#82
 Chrysene
 Concen: 48.30 ng
 RT: 13.702 min Scan# 1060
 Delta R.T. 0.011 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:228 Resp: 374614
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.2 36.2
 229 19.2 15.9 23.9





#83

Bis(2-ethylhexyl)phthalate

Concen: 49.54 ng

RT: 13.668 min Scan# 1057

Delta R.T. 0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

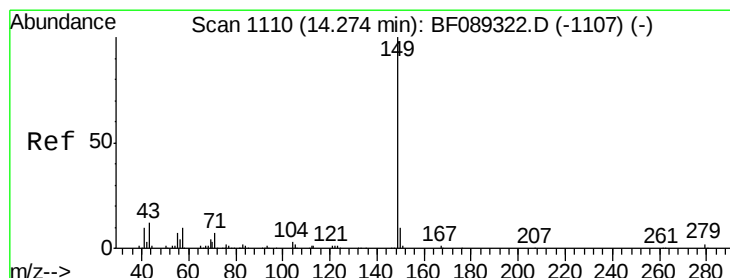
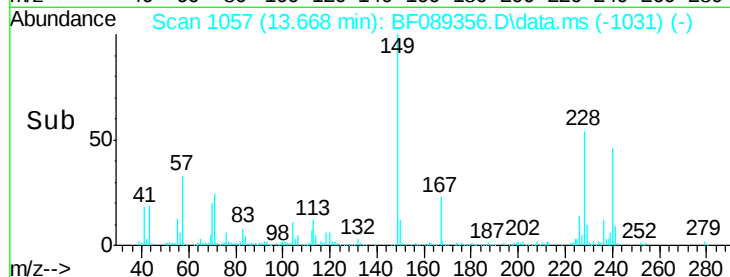
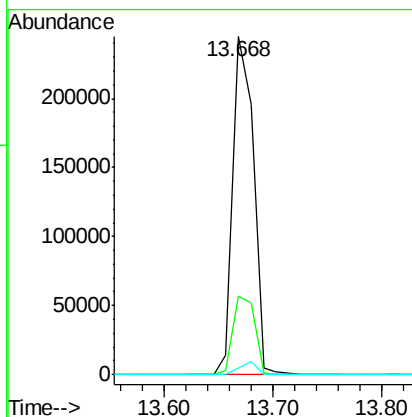
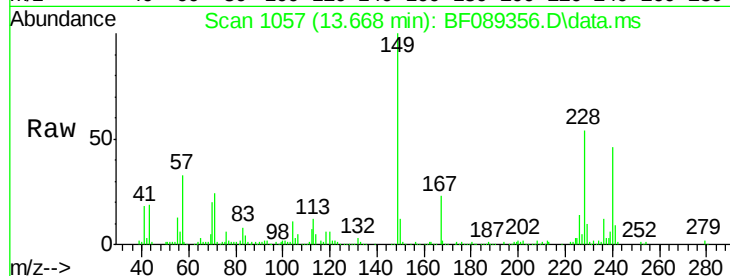
Tot Ion:149 Resp: 318636

Ion Ratio Lower Upper

149 100

167 23.3 18.8 28.2

279 1.8 1.4 2.0



#84

Di-n-octyl phthalate

Concen: 50.55 ng

RT: 14.274 min Scan# 1110

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

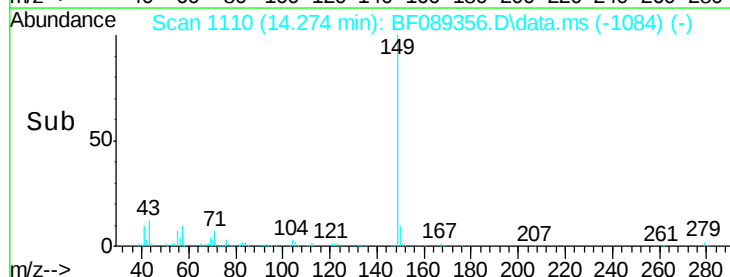
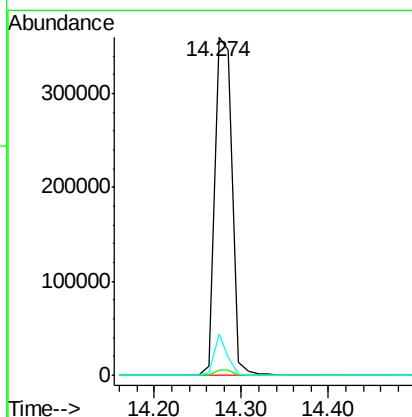
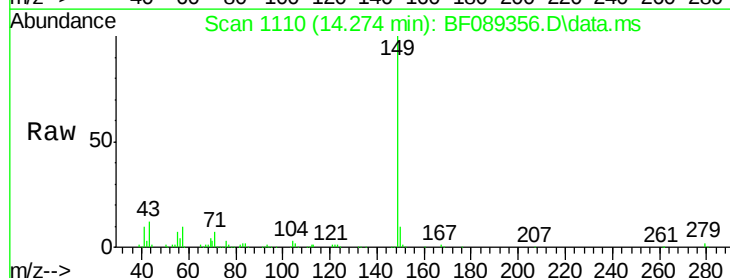
Tgt Ion:149 Resp: 507260

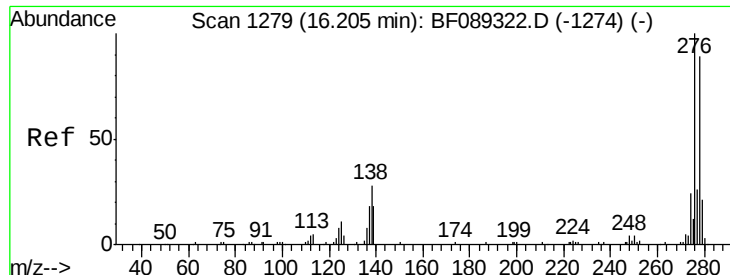
Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

43 9.2 7.3 10.9

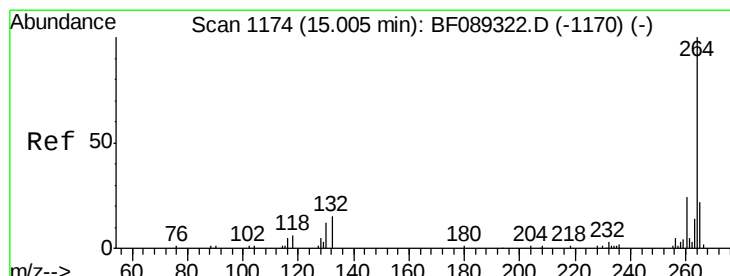
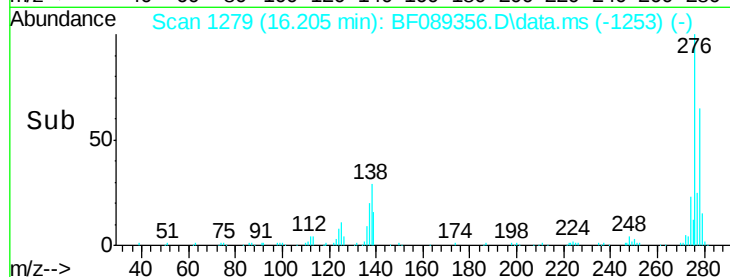
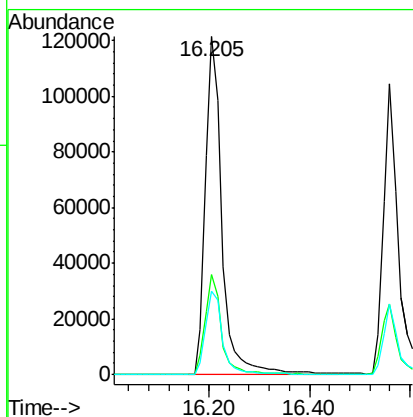
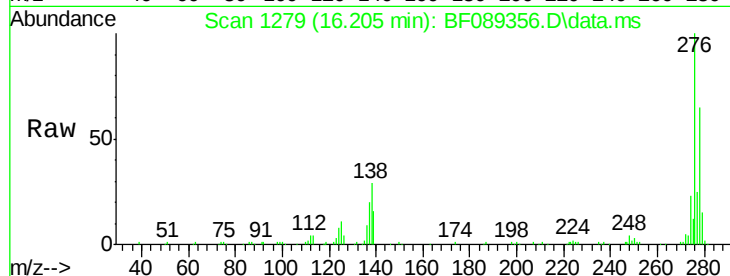




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 50.55 ng
 RT: 16.205 min Scan# 1279
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

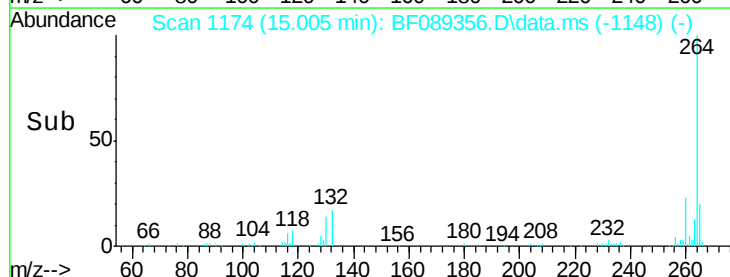
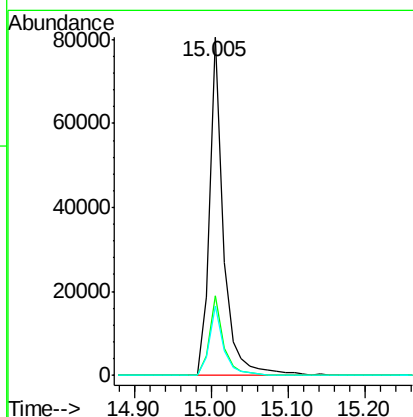
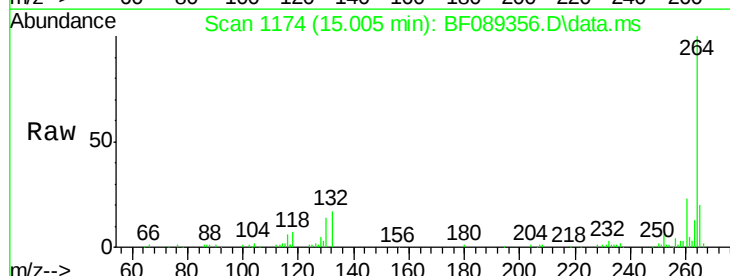
Instrument :
 BNA_F
 ClientSampleId :
 I-4MS

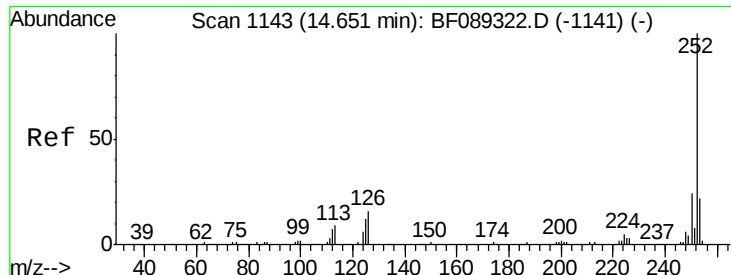
Tot Ion:276 Resp: 278742
 Ion Ratio Lower Upper
 276 100
 138 28.8 23.0 34.4
 277 25.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.005 min Scan# 1174
 Delta R.T. -0.000 min
 Lab File: BF089356.D
 Acq: 28 Jul 2016 9:51

Tgt Ion:264 Resp: 99745
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.4
 265 20.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 98.61 ng

RT: 14.651 min Scan# 1143

Delta R.T. -0.000 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

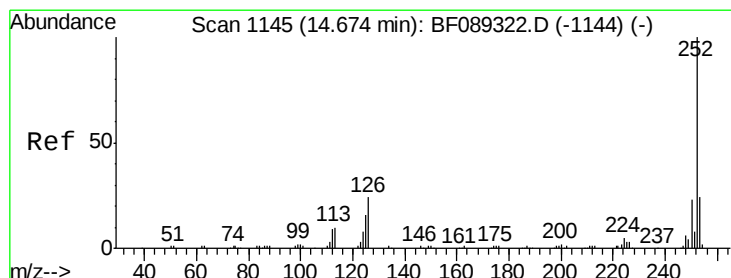
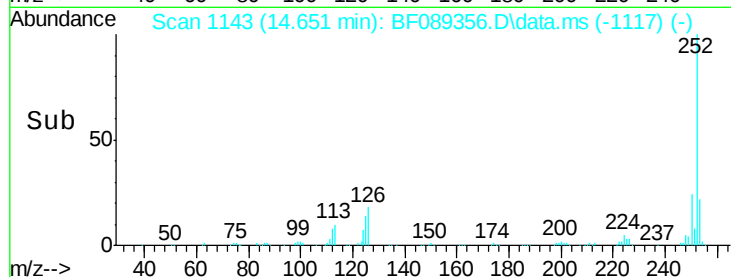
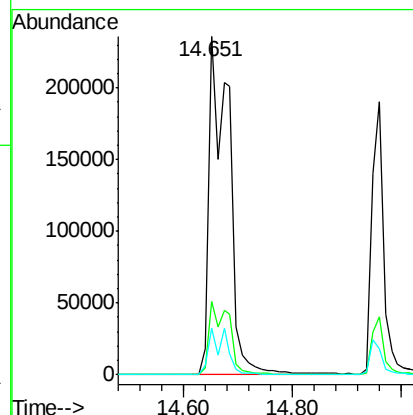
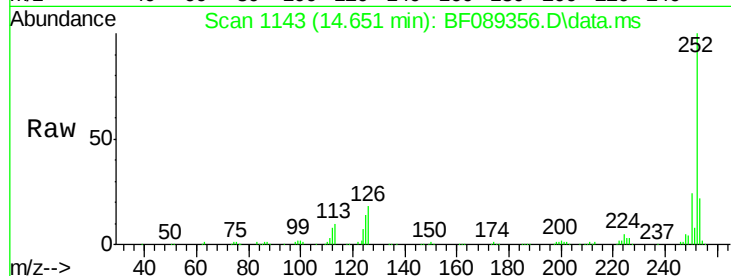
Tot Ion:252 Resp: 610854

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

125 13.6 9.7 14.5



#88

Benzo(k)fluoranthene

Concen: 107.39 ng

RT: 14.651 min Scan# 1143

Delta R.T. -0.023 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

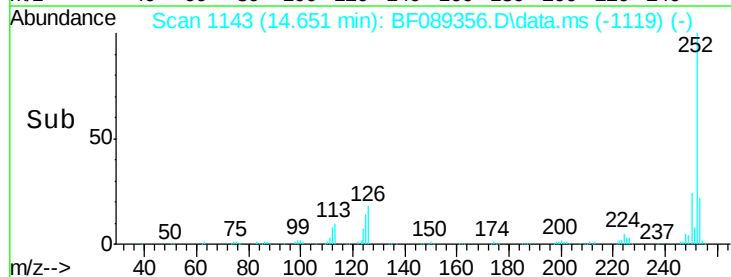
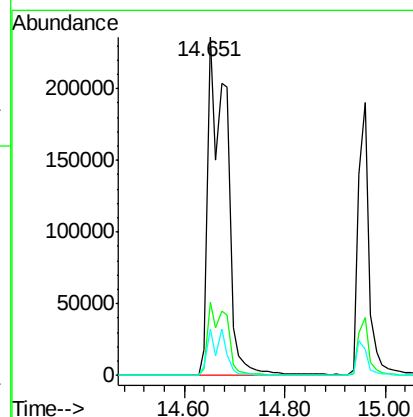
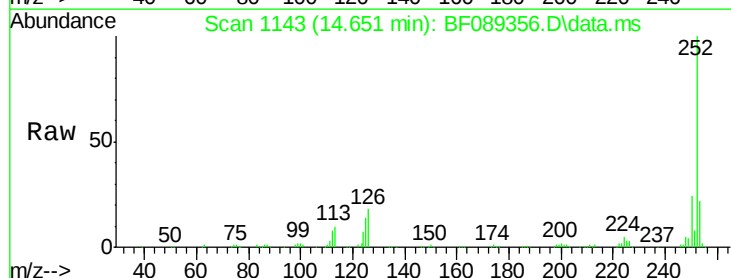
Tgt Ion:252 Resp: 611583

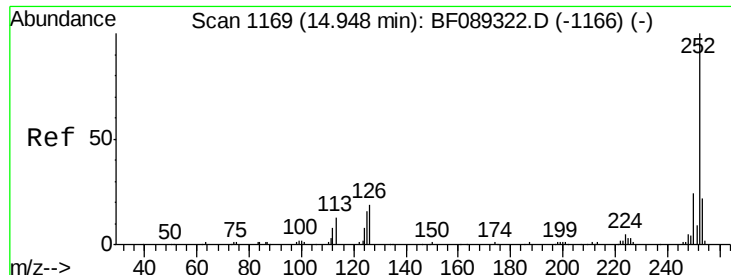
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 13.6 10.7 16.1





#89

Benzo(a)pyrene

Concen: 51.38 ng

RT: 14.959 min Scan# 11

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

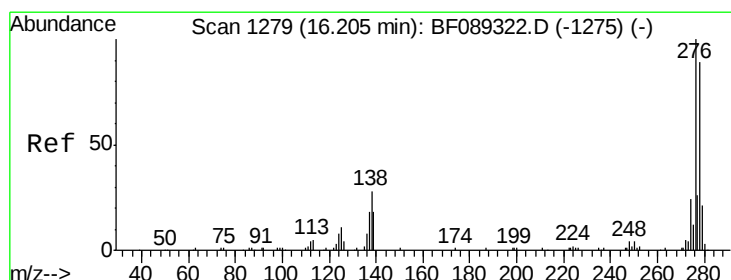
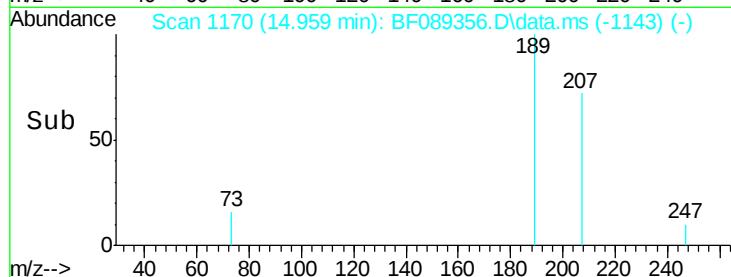
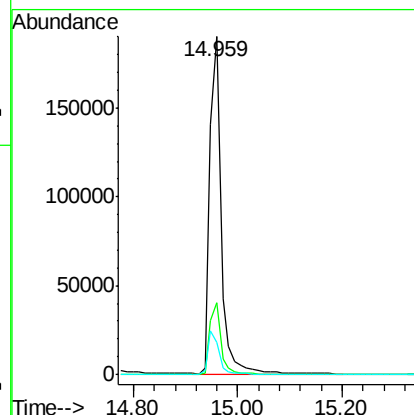
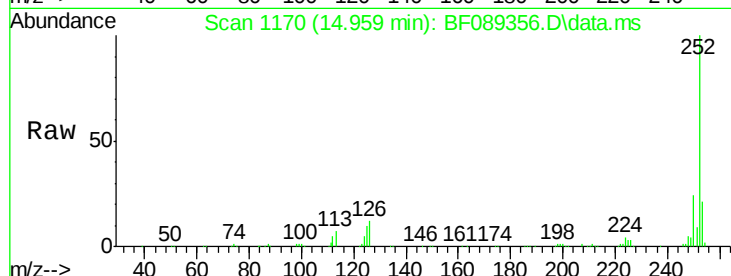
Tot Ion:252 Resp: 285524

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

125 9.6 12.4 18.6#



#90

Dibenzo(a,h)anthracene

Concen: 53.90 ng

RT: 16.217 min Scan# 1280

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

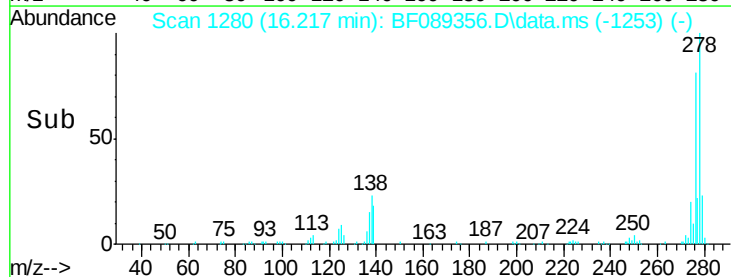
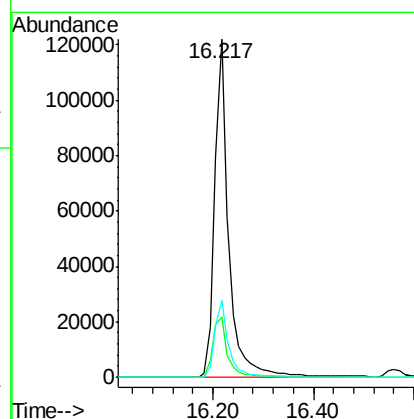
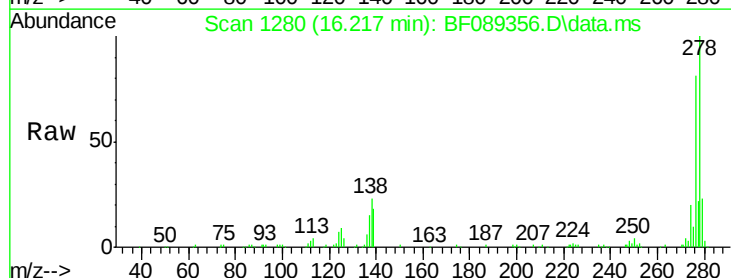
Tgt Ion:278 Resp: 235921

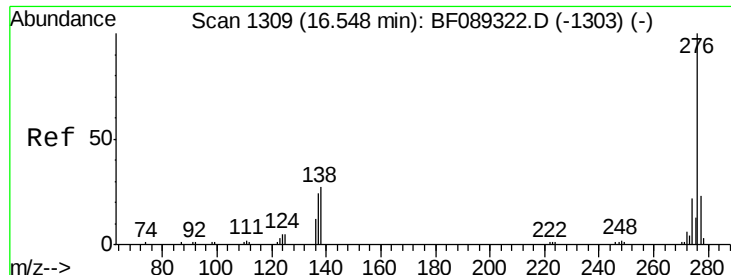
Ion Ratio Lower Upper

278 100

139 17.9 16.3 24.5

279 22.9 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 53.31 ng

RT: 16.560 min Scan# 13

Delta R.T. 0.011 min

Lab File: BF089356.D

Acq: 28 Jul 2016 9:51

Instrument :

BNA_F

ClientSampleId :

I-4MS

Tot Ion:276 Resp: 229403

Ion Ratio Lower Upper

276 100

277 24.2 18.6 28.0

138 24.4 21.4 32.0

