

Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
 Data File : BF089357.D
 Acq On : 28 Jul 2016 10:20
 Operator : UM/SJ
 Sample : H4155-17MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

Quant Time: Jul 28 11:33:03 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	43221	20.00	ng	0.00	
21) Naphthalene-d8	7.827	136	191189	20.00	ng	0.00	
38) Acenaphthene-d10	9.576	164	91525	20.00	ng	0.00	
63) Phenanthrene-d10	11.051	188	173683	20.00	ng	0.00	
75) Chrysene-d12	13.668	240	122802	20.00	ng	0.00	
86) Perylene-d12	15.005	264	83612	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.142	112	322019	118.96	ng	0.03	
7) Phenol-d6	6.204	99	389781	108.96	ng	0.00	
23) Nitrobenzene-d5	7.119	82	293365	90.57	ng	0.00	
41) 2,4,6-Tribromophenol	10.365	330	97770	128.98	ng	0.00	
44) 2-Fluorobiphenyl	8.913	172	574549	92.13	ng	0.00	
78) Terphenyl-d14	12.628	244	478500	91.20	ng	0.00	
Target Compounds							Qvalue
2) 1,4-Dioxane	2.124	88	41569	33.31	ng		# 86
3) Pyridine	2.718	79	60181	22.72	ng		98
4) n-Nitrosodimethylamine	2.661	42	41580	39.72	ng		89
6) Aniline	6.227	93	52239	13.52	ng		# 1
8) 2-Chlorophenol	6.330	128	132737	43.35	ng		90
9) Benzaldehyde	6.102	77	21521	12.32	ng		99
10) Phenol	6.227	94	146912	37.22	ng		87
11) bis(2-Chloroethyl)ether	6.296	93	145893	43.50	ng		96
12) 1,3-Dichlorobenzene	6.479	146	123920	38.69	ng		97
13) 1,4-Dichlorobenzene	6.559	146	136217	38.54	ng		99
14) 1,2-Dichlorobenzene	6.719	146	127872	38.62	ng		99
15) Benzyl Alcohol	6.707	79	103731	46.73	ng		96
16) 2,2'-oxybis(1-Chloropr...	6.833	45	146255	39.98	ng		77
17) 2-Methylphenol	6.833	107	96688	40.86	ng		94
18) Hexachloroethane	7.050	117	51428	37.95	ng		95
19) n-Nitroso-di-n-propyla...	6.982	70	102396	47.47	ng		100
20) 3+4-Methylphenols	6.993	107	124842	41.08	ng		89
22) Acetophenone	6.970	105	174467	38.33	ng		# 98
24) Nitrobenzene	7.142	77	134296	36.43	ng		99
25) Isophorone	7.382	82	278216	42.64	ng		99
26) 2-Nitrophenol	7.462	139	65019	39.45	ng		99
27) 2,4-Dimethylphenol	7.507	122	106110	40.41	ng		96
28) bis(2-Chloroethoxy)met...	7.599	93	168800	46.74	ng		99
29) 2,4-Dichlorophenol	7.713	162	108036	45.15	ng		96
30) 1,2,4-Trichlorobenzene	7.782	180	108353	39.69	ng		99
31) Naphthalene	7.850	128	431397	45.57	ng		100
32) Benzoic acid	7.667	122	57662	31.52	ng		98
33) 4-Chloroaniline	7.976	127	16514	4.58	ng		# 51
34) Hexachlorobutadiene	7.976	225	60718	38.84	ng		98
35) Caprolactam	8.296	113	19750	27.35	ng		90
36) 4-Chloro-3-methylphenol	8.422	107	125463	44.12	ng		98
37) 2-Methylnaphthalene	8.548	142	251010	44.00	ng		99
39) 1,2,4,5-Tetrachloroben...	8.708	216	98418	30.73	ng		98

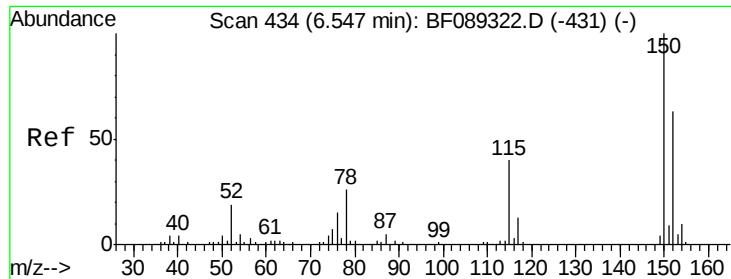
Data Path : Z:\HPCHEM1\BNA F\Data\BF072816\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Hexachlorocyclopentadiene	8.696	237	80564	87.32	ng	99
42) 2,4,6-Trichlorophenol	8.833	196	70754	46.46	ng	99
43) 2,4,5-Trichlorophenol	8.879	196	82806	42.93	ng	# 89
45) 1,1'-Biphenyl	9.005	154	279216	35.83	ng	99
46) 2-Chloronaphthalene	9.028	162	242754	41.48	ng	99
47) 2-Nitroaniline	9.142	65	74146	42.78	ng	97
48) Acenaphthylene	9.439	152	386388	41.92	ng	99
49) Dimethylphthalate	9.325	163	316818	45.48	ng	100
50) 2,6-Dinitrotoluene	9.382	165	66088	46.18	ng	91
51) Acenaphthene	9.611	154	238199	44.25	ng	100
52) 3-Nitroaniline	9.553	138	22865	15.14	ng	84
53) 2,4-Dinitrophenol	9.668	184	52589	79.53	ng	# 83
54) Dibenzofuran	9.782	168	349116	47.59	ng	99
55) 4-Nitrophenol	9.782	139	224127	287.32	ng	# 10
56) 2,4-Dinitrotoluene	9.793	165	82808	43.95	ng	# 64
57) Fluorene	10.125	166	284194	44.38	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.908	232	63907	49.62	ng	98
59) Diethylphthalate	10.022	149	304978	43.19	ng	# 94
60) 4-Chlorophenyl-phenyle...	10.125	204	119462	40.67	ng	99
61) 4-Nitroaniline	10.171	138	48243	30.99	ng	91
62) Azobenzene	10.273	77	318379	43.78	ng	99
64) 4,6-Dinitro-2-methylph...	10.193	198	44447	42.91	ng	84
65) n-Nitrosodiphenylamine	10.239	169	205064	37.84	ng	100
66) 4-Bromophenyl-phenylether	10.605	248	77560	46.77	ng	94
67) Hexachlorobenzene	10.662	284	68064	40.05	ng	94
68) Atrazine	10.776	200	37838	22.73	ng	97
69) Pentachlorophenol	10.868	266	70380	85.07	ng	98
70) Phenanthrene	11.074	178	398419	44.48	ng	99
71) Anthracene	11.131	178	409306	41.10	ng	99
72) Carbazole	11.291	167	326745	38.97	ng	99
73) Di-n-butylphthalate	11.622	149	465428	41.38	ng	99
74) Fluoranthene	12.251	202	418877	44.45	ng	99
76) Benzidine	12.422	184	23589	5.20	ng	95
77) Pyrene	12.468	202	384443	41.31	ng	98
79) Butylbenzylphthalate	13.108	149	202271	47.80	ng	98
80) Benzo(a)anthracene	13.657	228	295163	42.59	ng	99
81) 3,3'-Dichlorobenzidine	13.634	252	17442	6.99	ng	# 98
82) Chrysene	13.691	228	295181	40.02	ng	99
83) Bis(2-ethylhexyl)phtha...	13.668	149	256449	41.93	ng	99
84) Di-n-octyl phthalate	14.274	149	414438	43.42	ng	99
85) Indeno(1,2,3-cd)pyrene	16.205	276	221183	42.17	ng	100
87) Benzo(b)fluoranthene	14.651	252	494197	95.18	ng	98
88) Benzo(k)fluoranthene	14.651	252	494197	103.52	ng	100
89) Benzo(a)pyrene	14.960	252	221971	47.65	ng	# 94
90) Dibenzo(a,h)anthracene	16.217	278	183857	50.11	ng	# 95
91) Benzo(g,h,i)perylene	16.560	276	180689	50.10	ng	96

(#) = 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

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

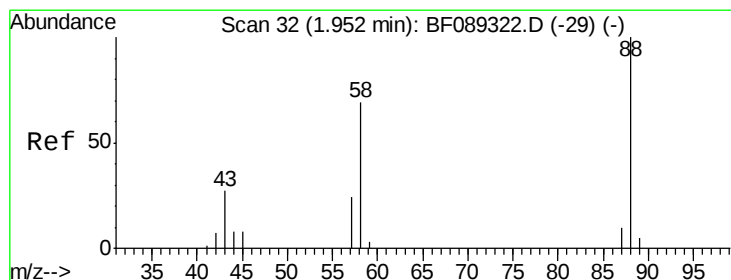
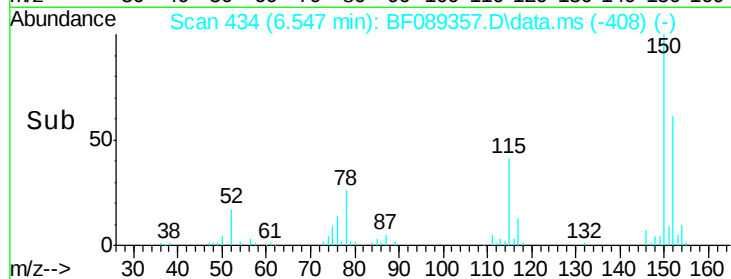
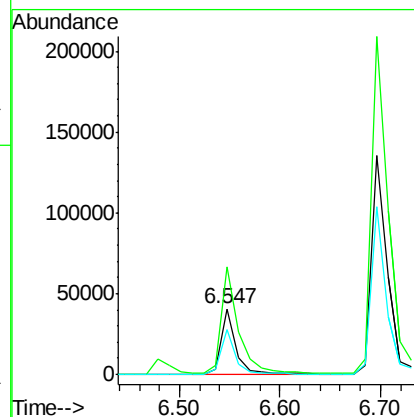
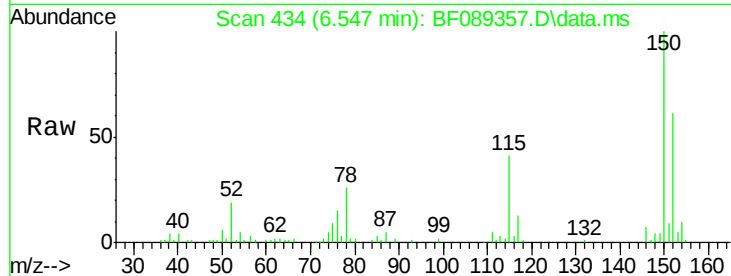
Tot Ion:152 Resp: 43221

Ion Ratio Lower Upper

152 100

150 163.5 129.5 194.3

115 67.3 51.4 77.2



#2

1,4-Dioxane

Concen: 33.31 ng

RT: 2.124 min Scan# 47

Delta R.T. 0.172 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

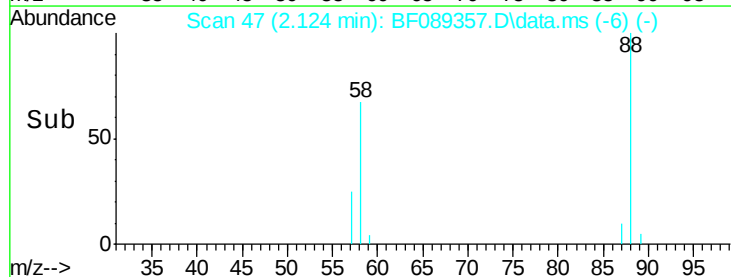
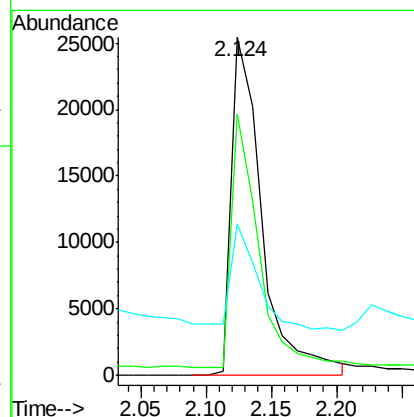
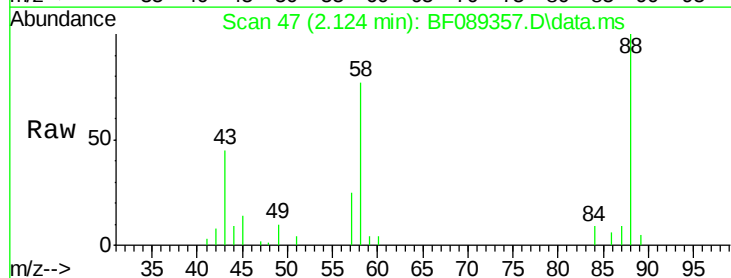
Tgt Ion: 88 Resp: 41569

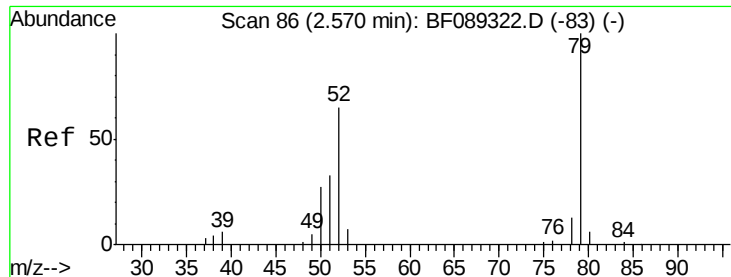
Ion Ratio Lower Upper

88 100

58 66.7 53.2 79.8

43 0.0 20.6 31.0#





#3

Pvridine

Concen: 22.72 ng

RT: 2.718 min Scan# 99

Delta R.T. 0.149 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

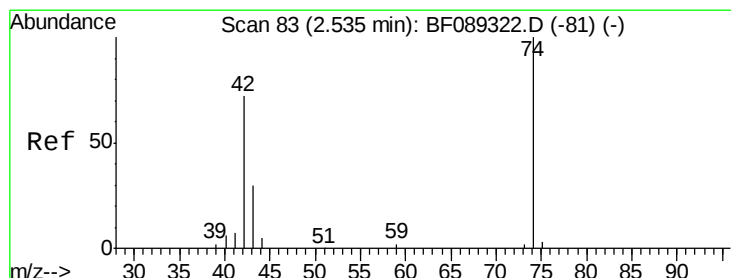
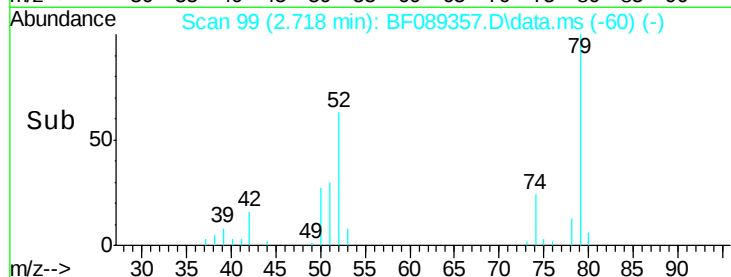
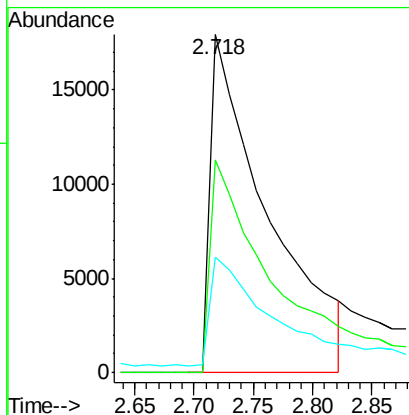
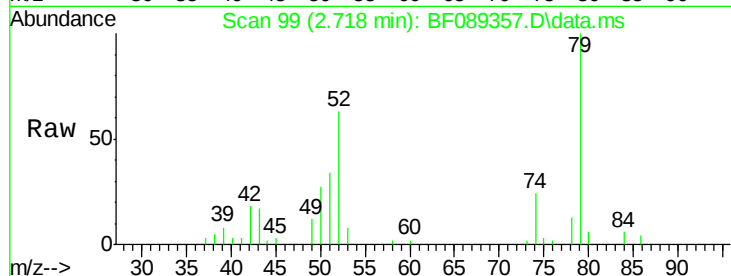
Tot Ion: 79 Resp: 60181

Ion Ratio Lower Upper

79 100

52 62.8 51.9 77.9

51 34.0 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 39.72 ng

RT: 2.661 min Scan# 94

Delta R.T. 0.126 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

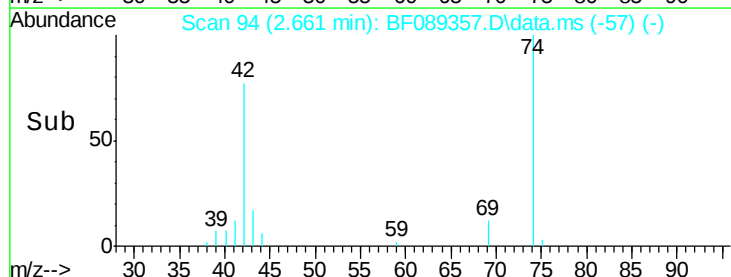
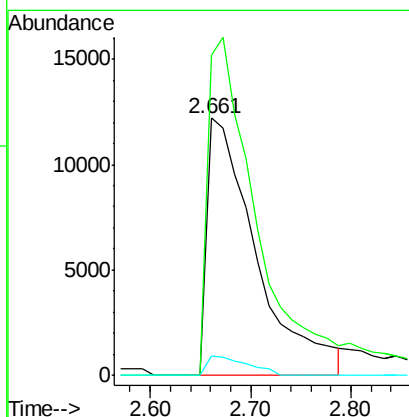
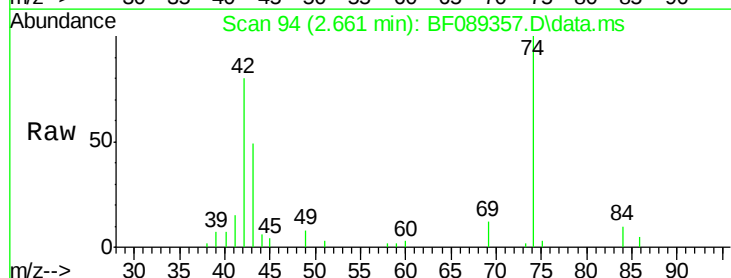
Tgt Ion: 42 Resp: 41580

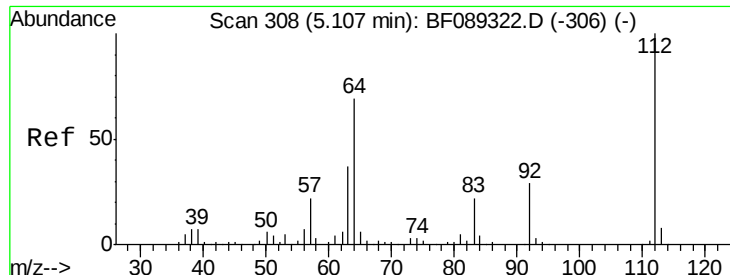
Ion Ratio Lower Upper

42 100

74 124.5 110.8 166.2

44 7.4 5.2 7.8





#5

2-Fluorophenol

Concen: 118.96 ng

RT: 5.142 min Scan# 311

Delta R.T. 0.035 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

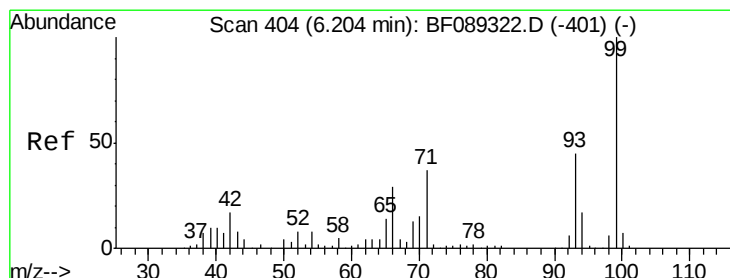
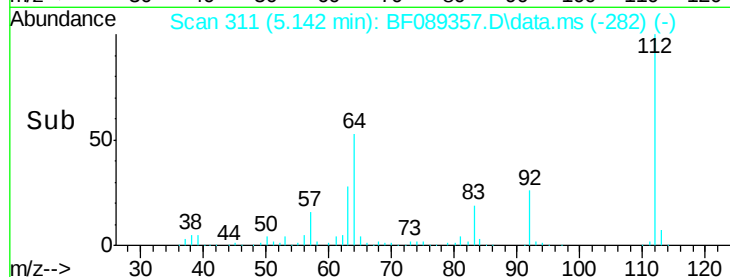
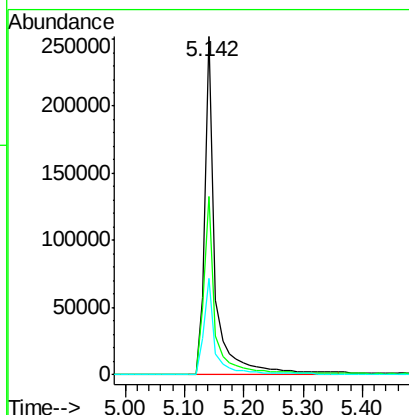
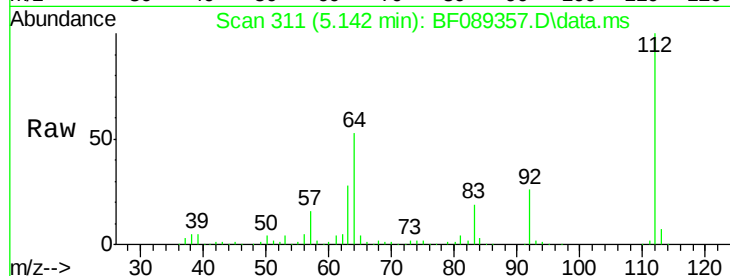
Tot Ion:112 Resp: 322019

Ion Ratio Lower Upper

112 100

64 52.8 55.0 82.6#

63 28.3 29.4 44.2#



#6

Aniline

Concen: 13.52 ng

RT: 6.227 min Scan# 406

Delta R.T. 0.023 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

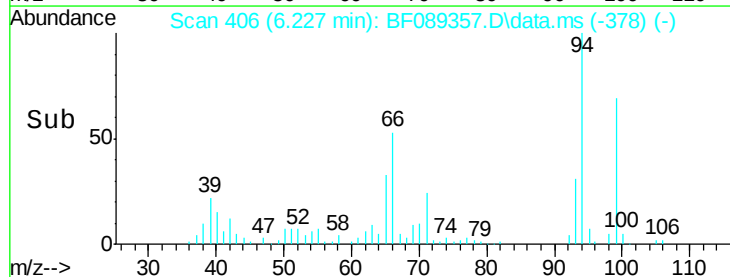
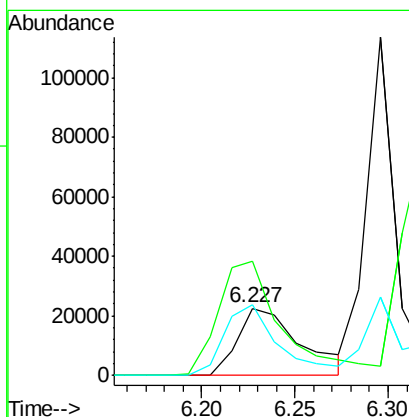
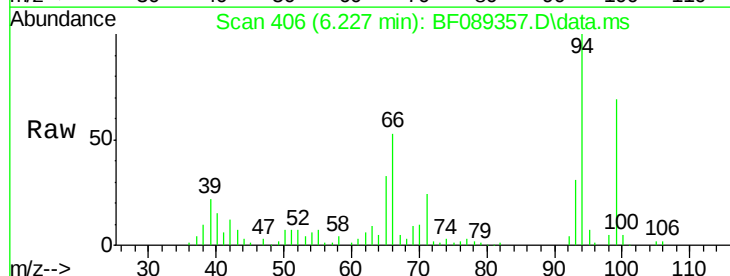
Tgt Ion: 93 Resp: 52239

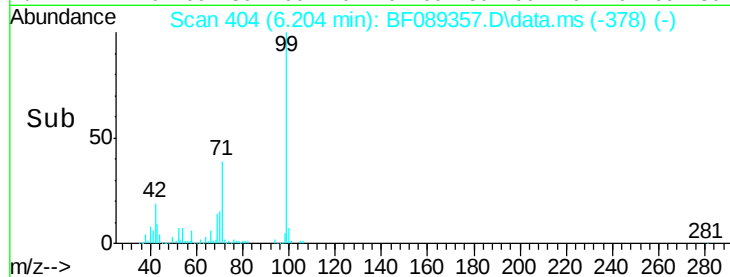
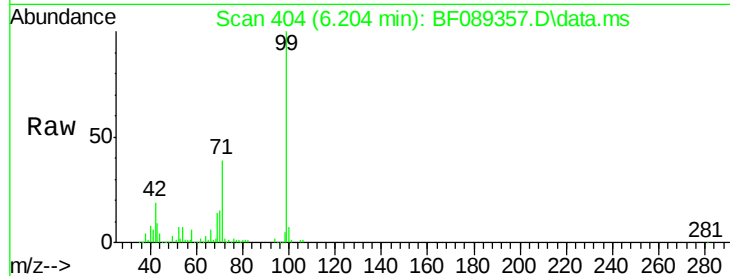
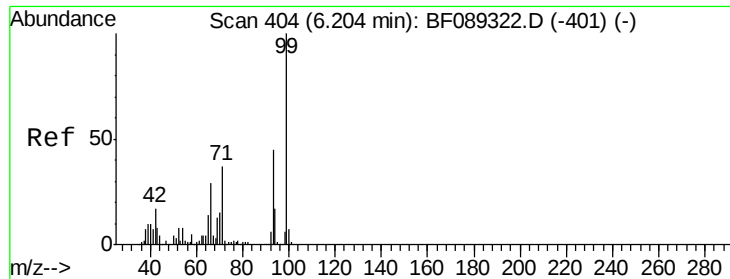
Ion Ratio Lower Upper

93 100

66 170.9 51.6 77.4#

65 106.5 24.7 37.1#





#7

Phenol-d6

Concen: 108.96 ng

RT: 6.204 min Scan# 40

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

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BNA_F

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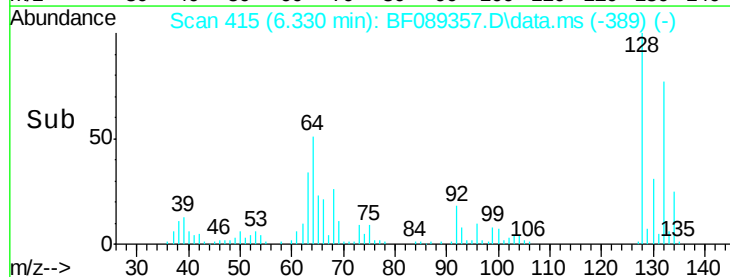
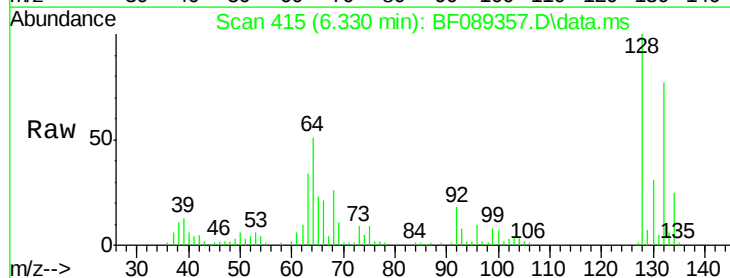
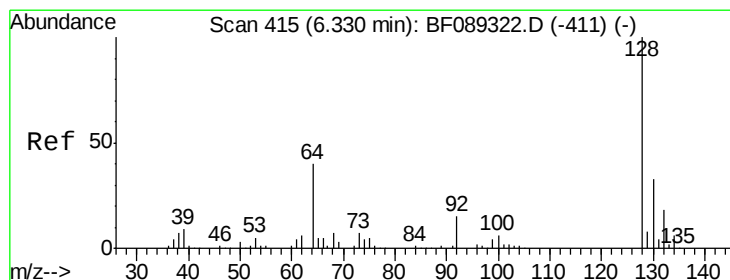
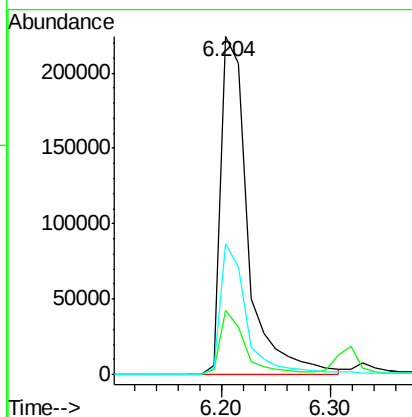
Tot Ion: 99 Resp: 389781

Ion Ratio Lower Upper

99 100

42 18.9 13.6 20.4

71 38.6 29.4 44.2



#8

2-Chlorophenol

Concen: 43.35 ng

RT: 6.330 min Scan# 415

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

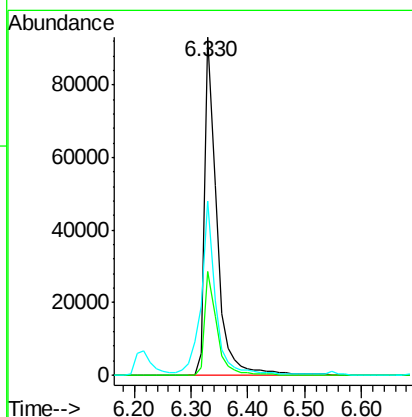
Tgt Ion:128 Resp: 132737

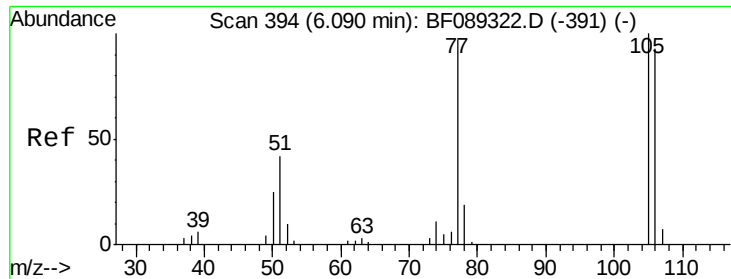
Ion Ratio Lower Upper

128 100

130 30.8 12.6 52.6

64 51.5 22.1 62.1





#9

Benzaldehyde

Concen: 12.32 ng

RT: 6.102 min Scan# 39

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

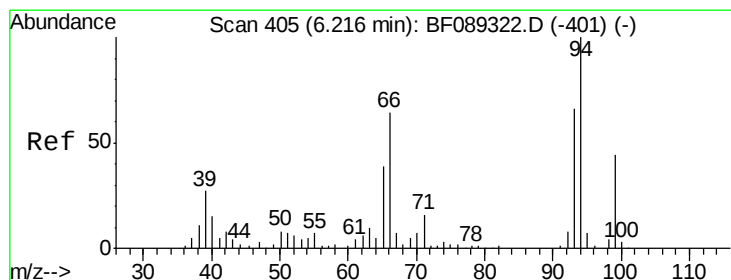
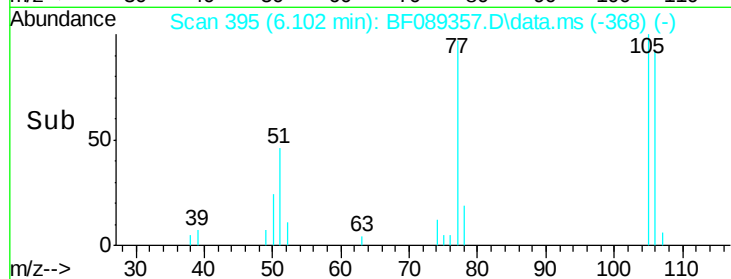
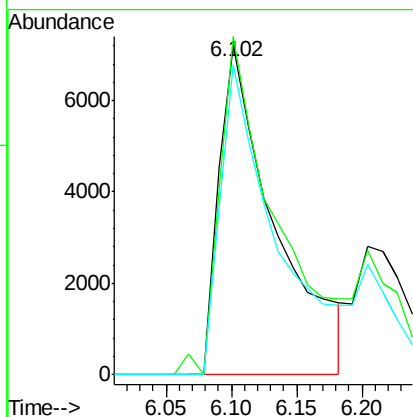
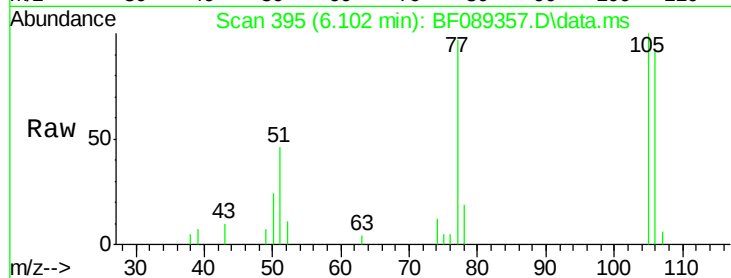
Tot Ion: 77 Resp: 21521

Ion Ratio Lower Upper

77 100

105 102.9 82.9 122.9

106 94.2 75.9 115.9



#10

Phenol

Concen: 37.22 ng

RT: 6.227 min Scan# 406

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

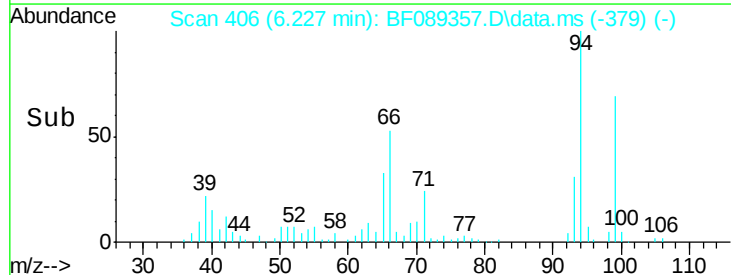
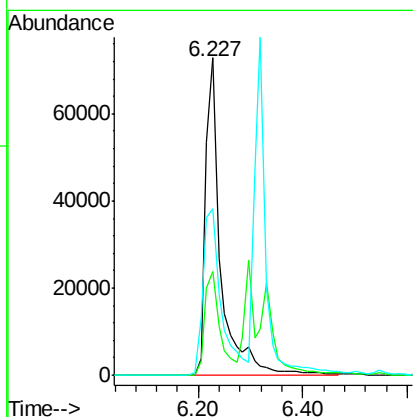
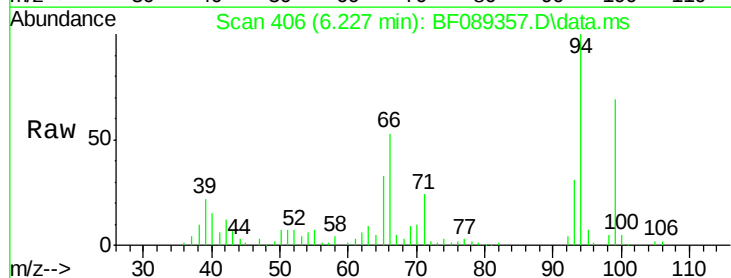
Tgt Ion: 94 Resp: 146912

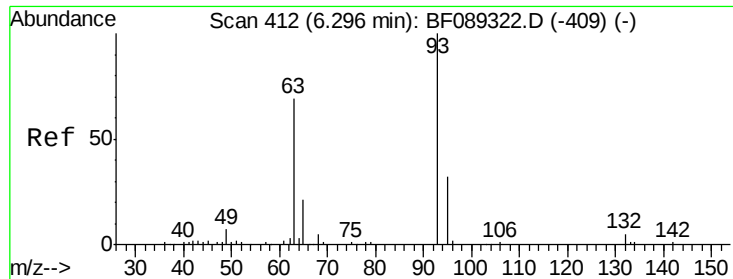
Ion Ratio Lower Upper

94 100

65 32.7 19.1 59.1

66 52.6 44.4 84.4

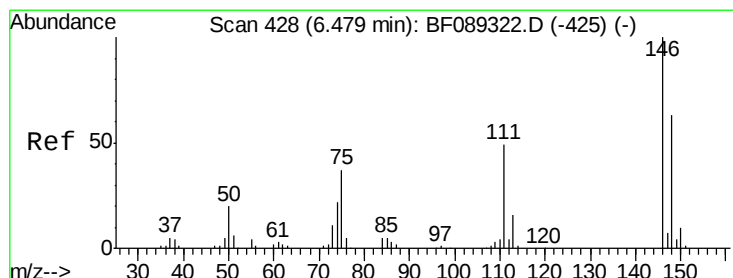
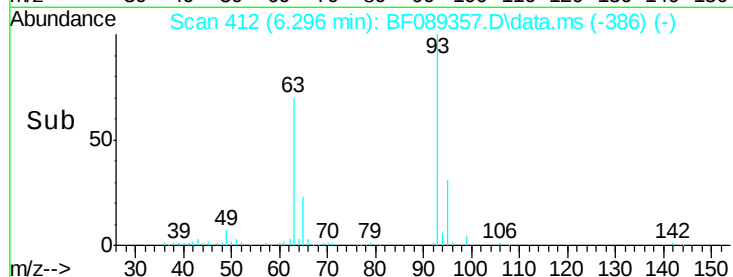
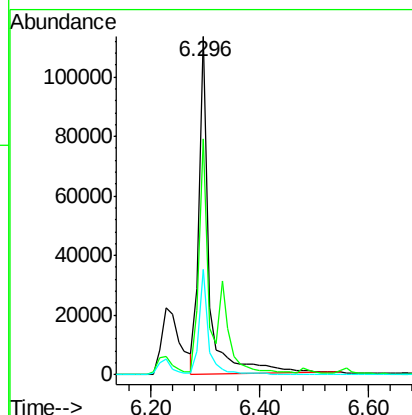
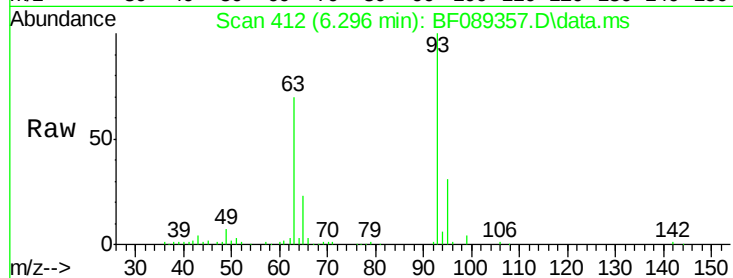




#11
 bis(2-Chloroethyl)ether
 Concen: 43.50 ng
 RT: 6.296 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

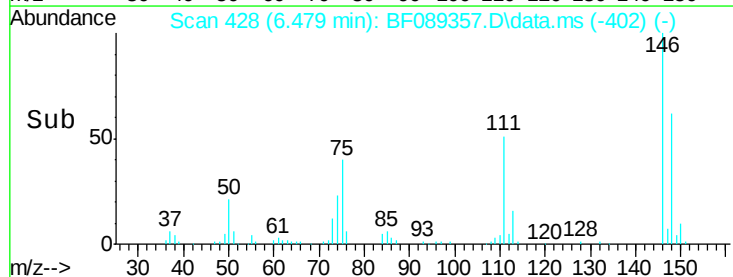
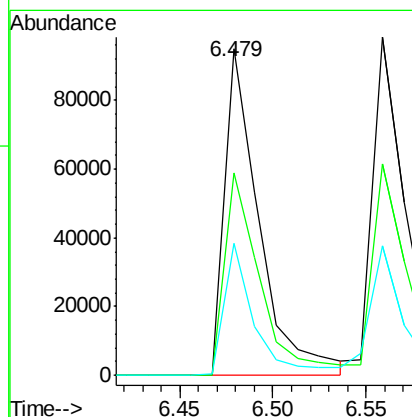
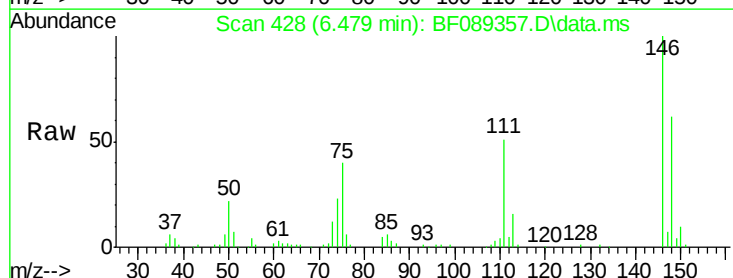
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

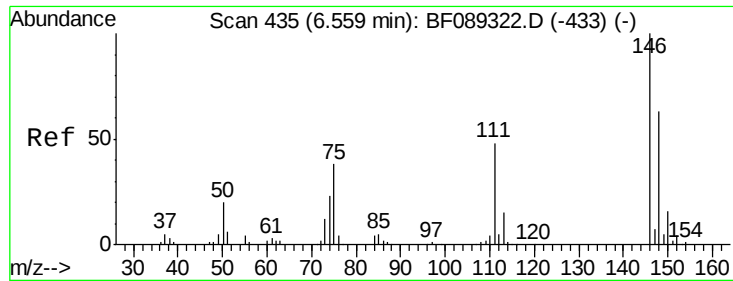
Tot Ion	93	Resp	145893
Ion Ratio	100	Lower	Upper
63	69.7	45.6	85.6
95	31.2	11.1	51.1



#12
 1,3-Dichlorobenzene
 Concen: 38.69 ng
 RT: 6.479 min Scan# 428
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	146	Resp	123920
Ion Ratio	100	Lower	Upper
148	61.7	50.5	75.7
75	40.5	30.0	45.0

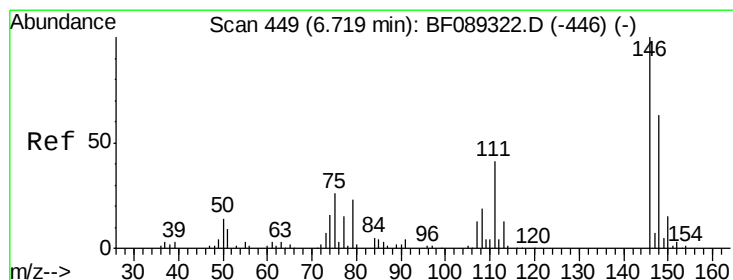
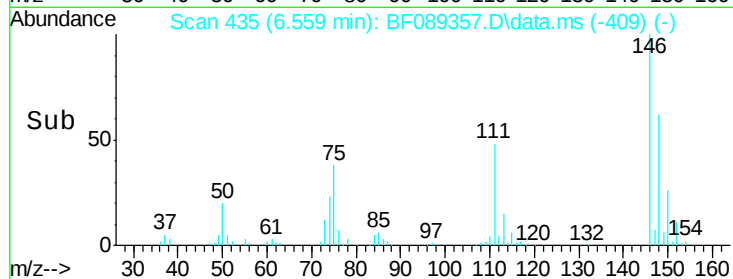
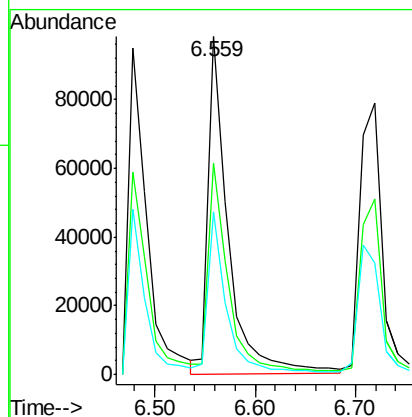
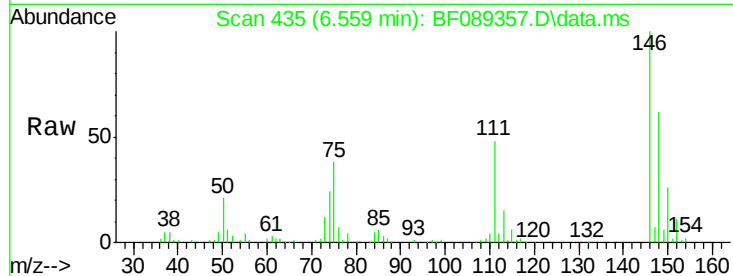




#13
 1,4-Dichlorobenzene
 Concen: 38.54 ng
 RT: 6.559 min Scan# 43
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

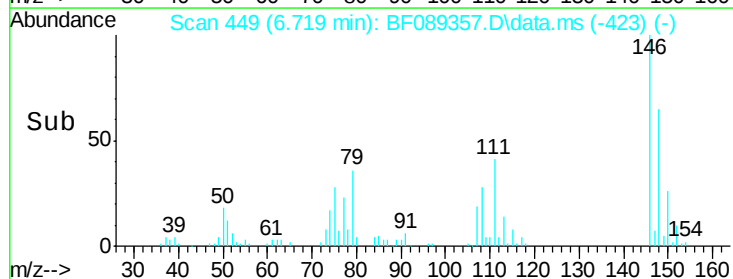
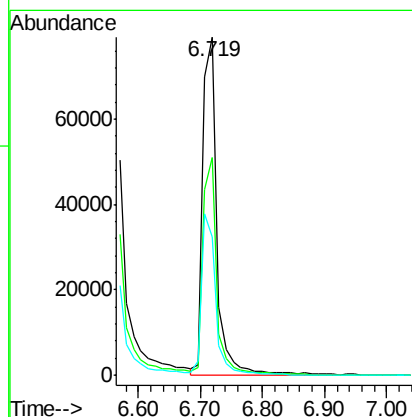
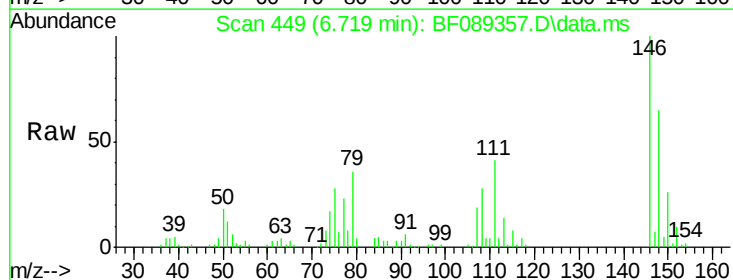
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

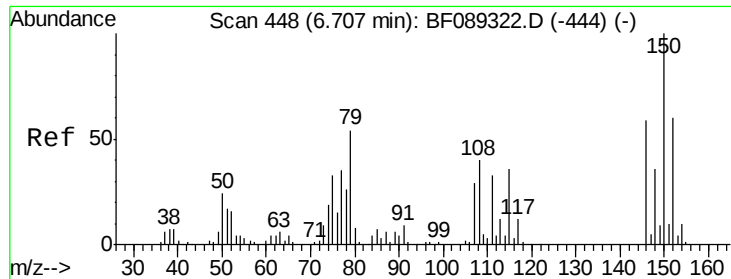
Tot Ion:146 Resp: 136217
 Ion Ratio Lower Upper
 146 100
 148 62.4 50.8 76.2
 111 48.3 38.6 57.8



#14
 1,2-Dichlorobenzene
 Concen: 38.62 ng
 RT: 6.719 min Scan# 449
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:146 Resp: 127872
 Ion Ratio Lower Upper
 146 100
 148 64.6 50.4 75.6
 111 41.1 33.0 49.4

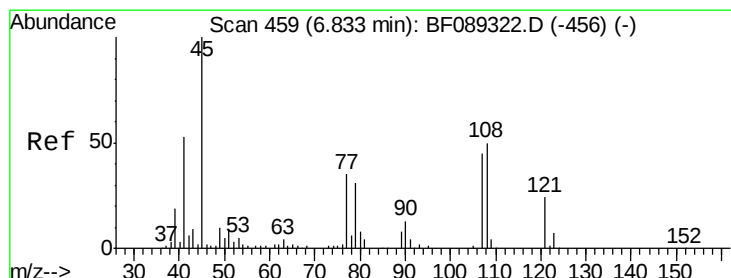
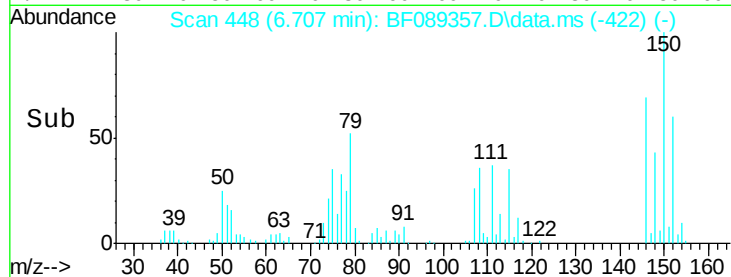
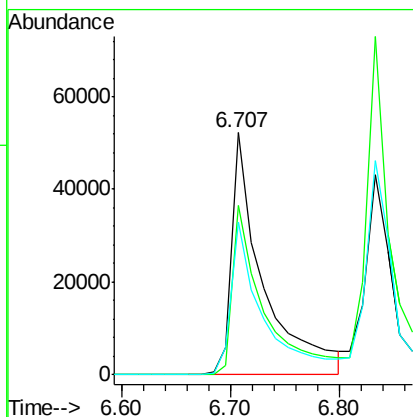
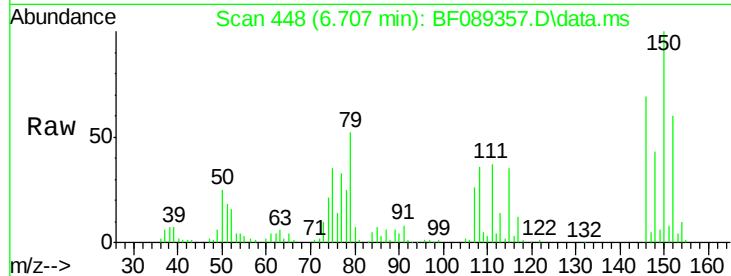




#15
Benzyl Alcohol
Concen: 46.73 ng
RT: 6.707 min Scan# 448
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

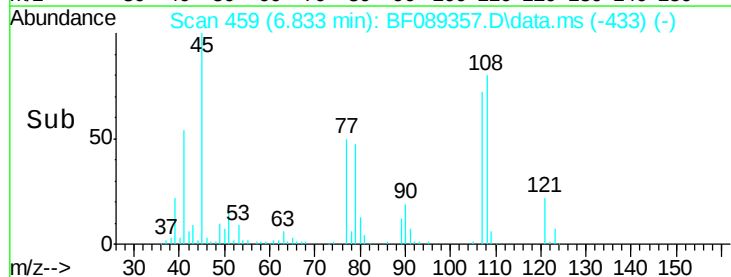
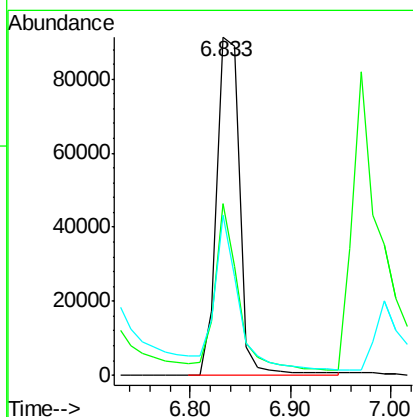
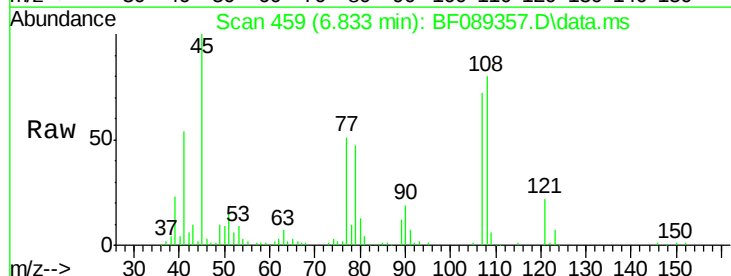
Instrument :
BNA_F
ClientSampleId :
I-4MSD

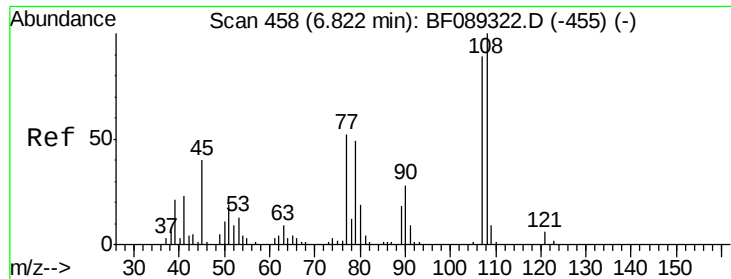
Tot Ion: 79 Resp: 103731
Ion Ratio Lower Upper
79 100
108 69.9 59.8 89.6
77 63.3 51.7 77.5



#16
2,2'-oxybis(1-chloropropane)
Concen: 39.98 ng
RT: 6.833 min Scan# 459
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion: 45 Resp: 146255
Ion Ratio Lower Upper
45 100
77 50.6 17.3 57.3
79 47.2 13.9 53.9





#17

2-Methylphenol

Concen: 40.86 ng

RT: 6.833 min Scan# 45

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tot Ion:107 Resp: 96688

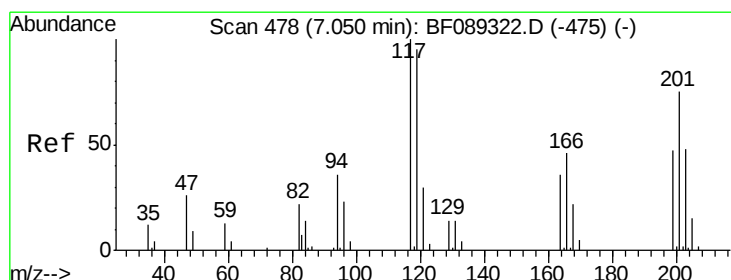
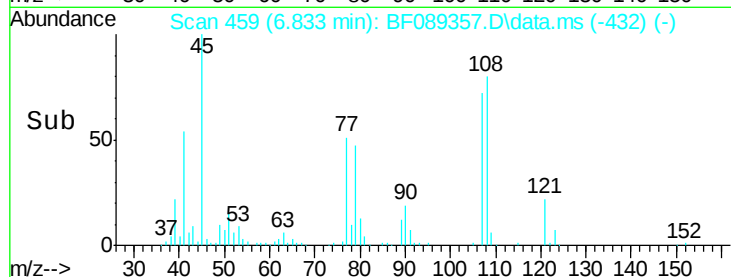
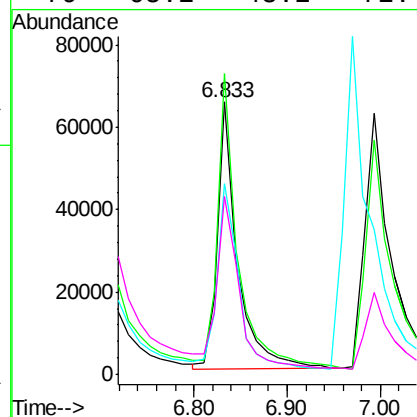
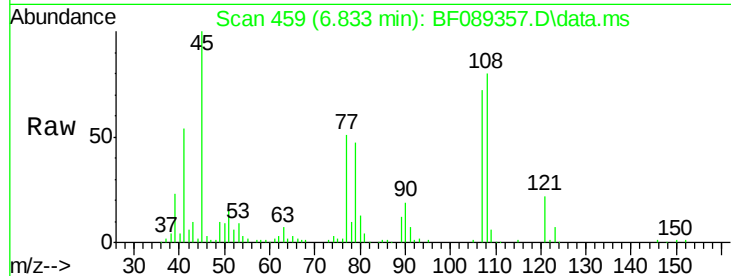
Ion Ratio Lower Upper

107 100

108 110.5 91.4 137.0

77 69.9 48.6 73.0

79 65.2 48.2 72.4



#18

Hexachloroethane

Concen: 37.95 ng

RT: 7.050 min Scan# 478

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

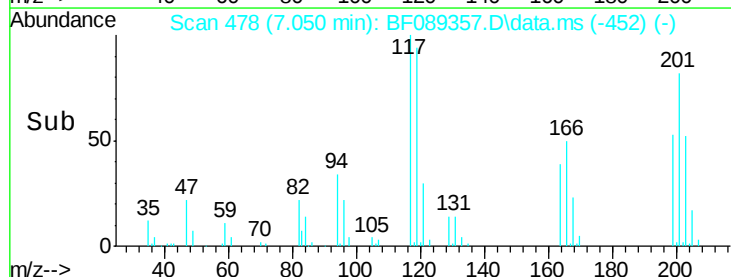
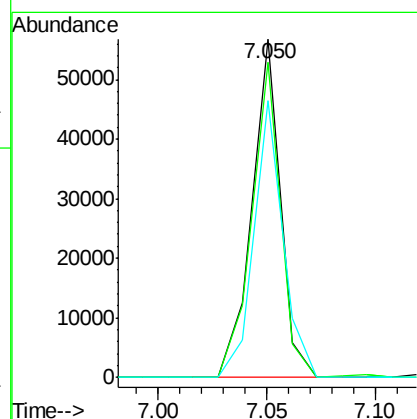
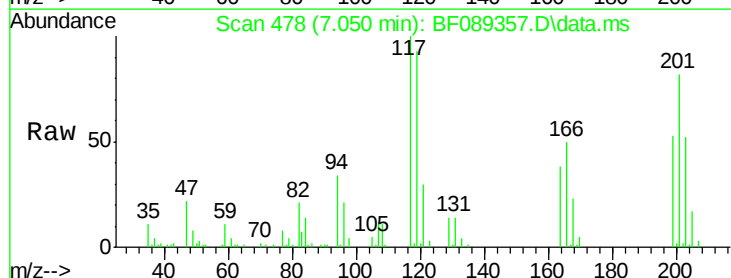
Tgt Ion:117 Resp: 51428

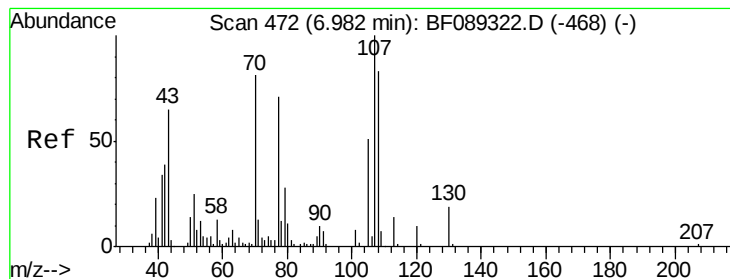
Ion Ratio Lower Upper

117 100

119 93.3 76.0 114.0

201 81.9 60.0 90.0

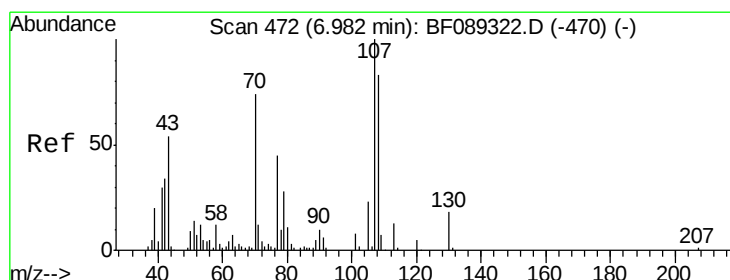
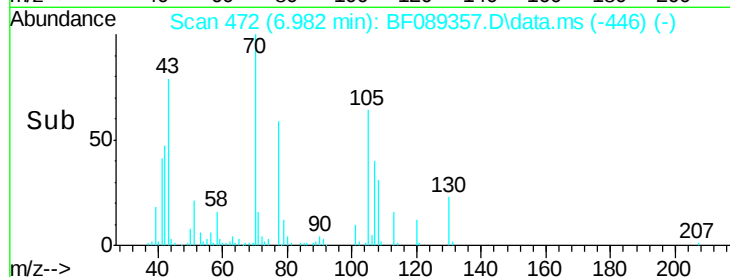
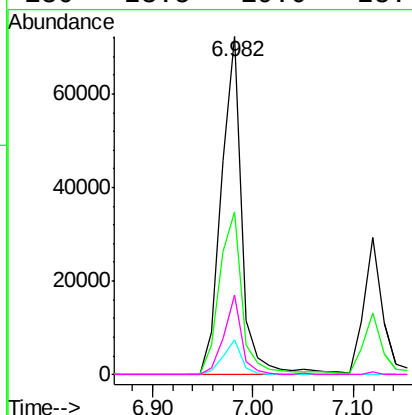
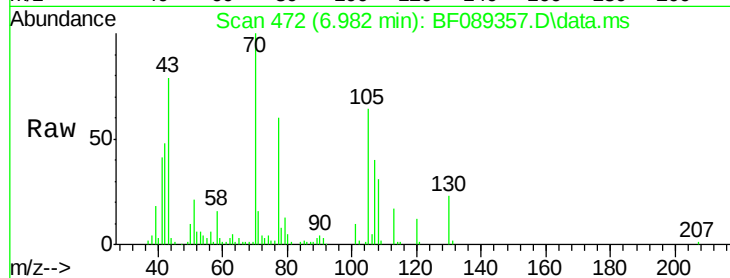




#19
n-Nitroso-di-n-propylamine
Concen: 47.47 ng
RT: 6.982 min Scan# 47
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

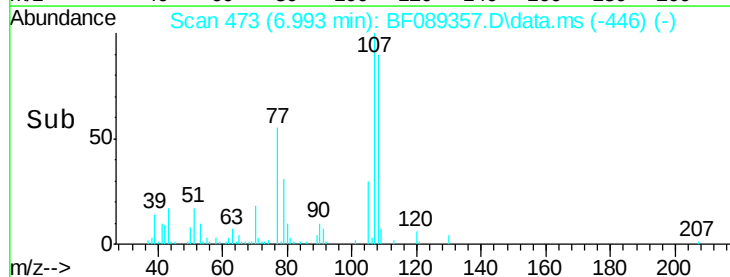
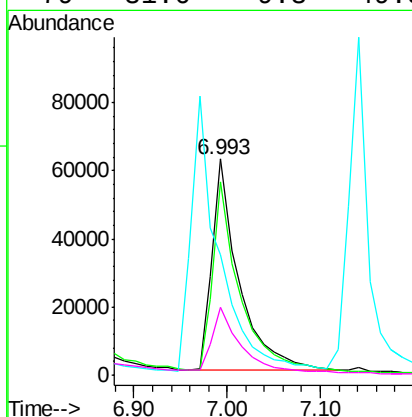
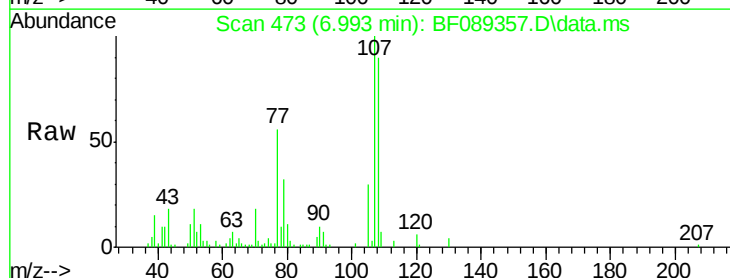
Instrument :
BNA_F
ClientSampleId :

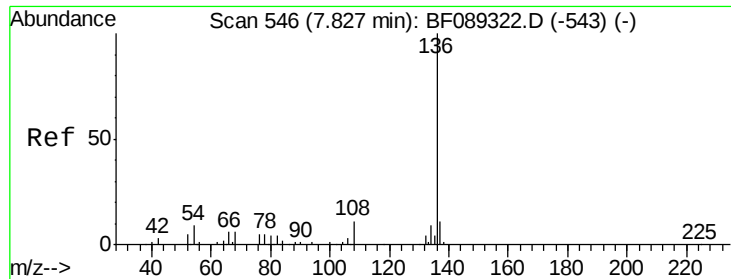
Tot Ion: 70 Resp: 102396
Ion Ratio Lower Upper
70 100
42 48.1 38.6 57.8
101 10.3 8.3 12.5
130 23.5 19.0 28.4



#20
3+4-Methylphenols
Concen: 41.08 ng
RT: 6.993 min Scan# 473
Delta R.T. 0.012 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion: 107 Resp: 124842
Ion Ratio Lower Upper
107 100
108 89.8 63.3 103.3
77 55.7 51.1 91.1
79 31.6 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: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tot Ion:136 Resp: 191189

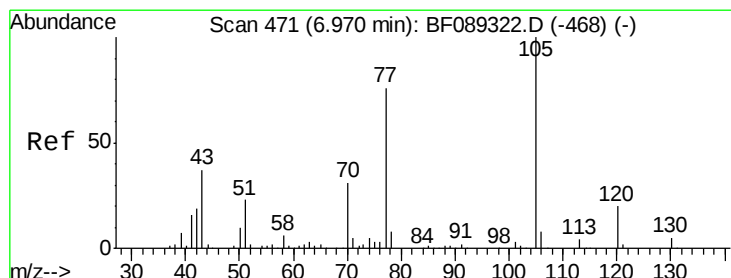
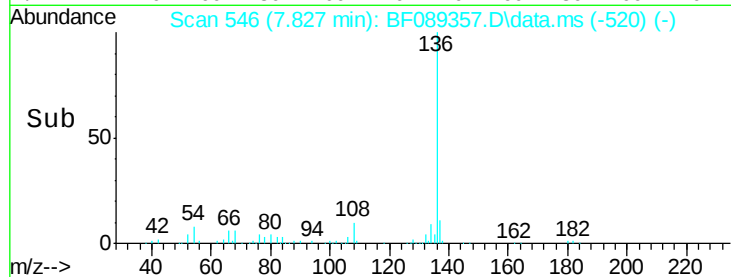
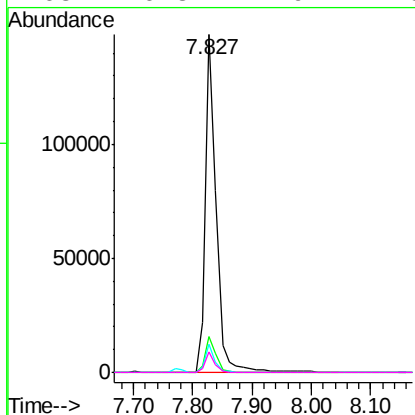
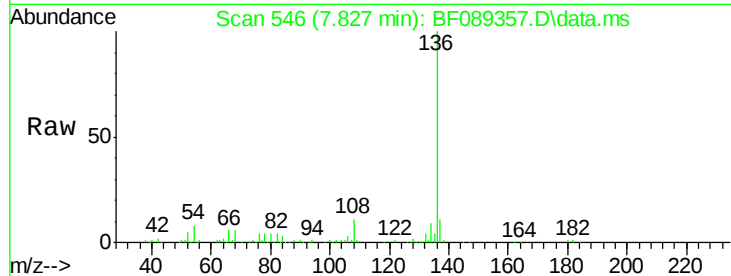
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.2 7.0 10.4

68 6.3 4.9 7.3



#22

Acetophenone

Concen: 38.33 ng

RT: 6.970 min Scan# 471

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:105 Resp: 174467

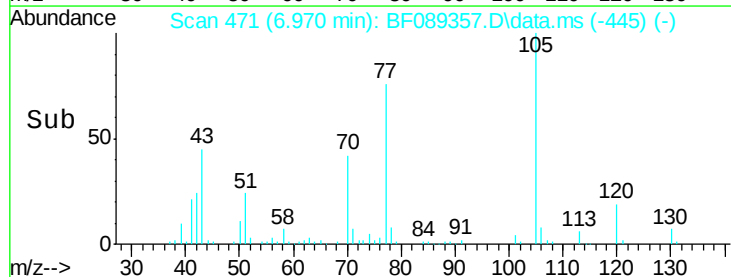
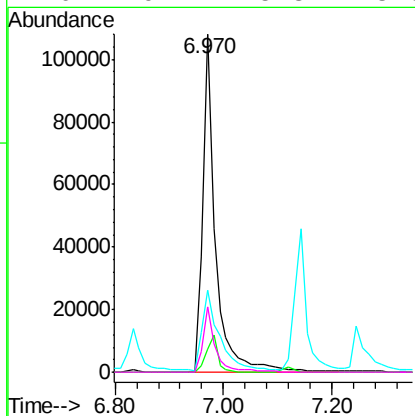
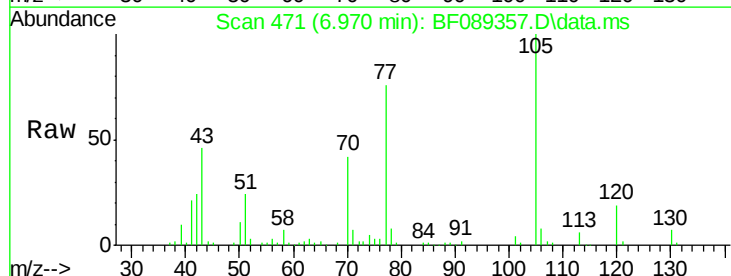
Ion Ratio Lower Upper

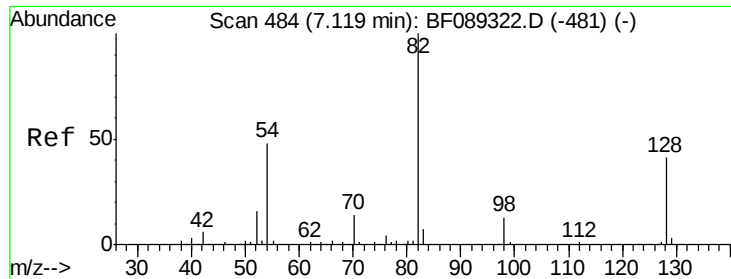
105 100

71 7.0 4.2 6.2#

51 24.3 18.7 28.1

120 19.2 15.8 23.6

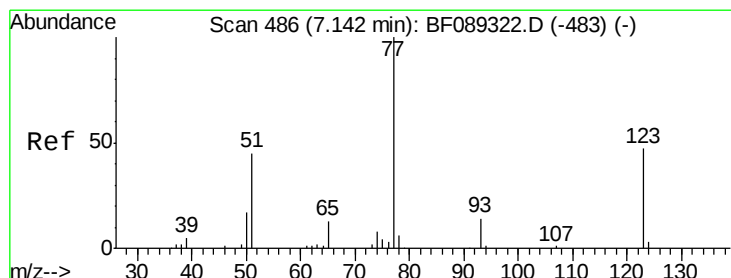
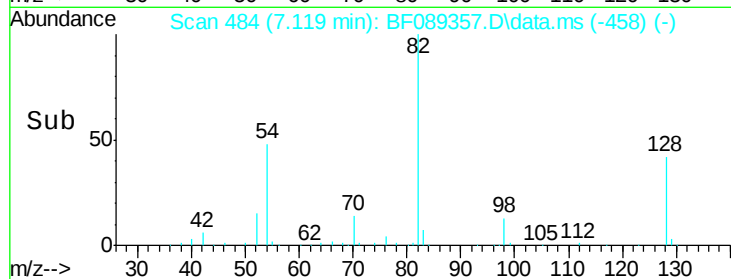
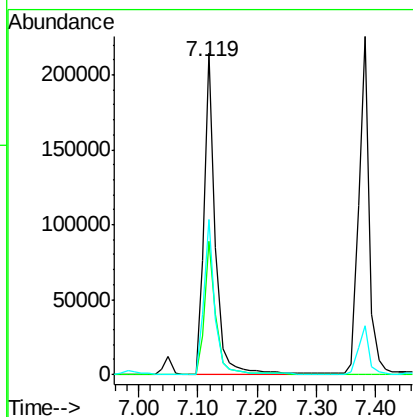
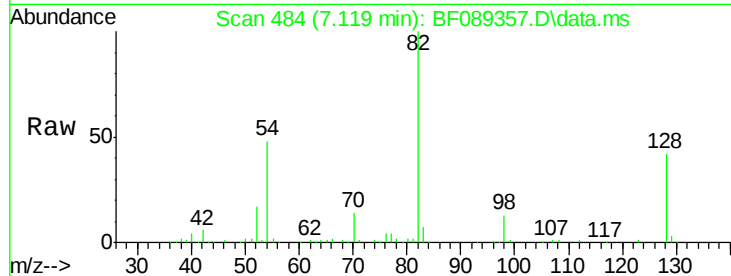




#23
Nitrobenzene-d5
Concen: 90.57 ng
RT: 7.119 min Scan# 481
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

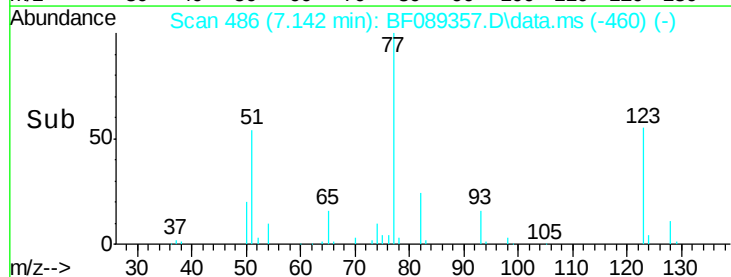
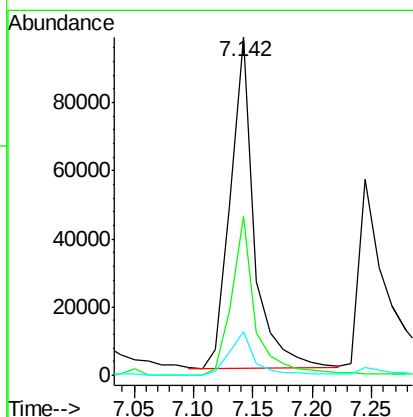
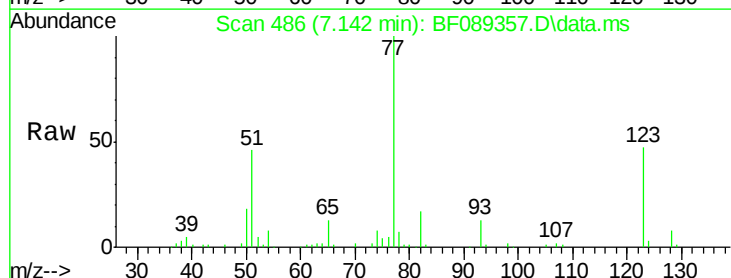
Instrument :
BNA_F
ClientSampleId :
I-4MSD

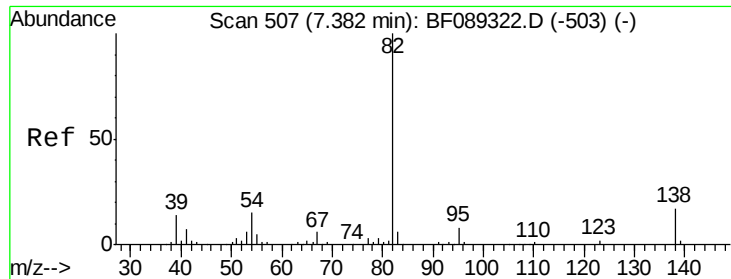
Tot Ion	82	Resp	293365
Ion Ratio	100	Lower	Upper
128	41.6	32.5	48.7
54	48.4	38.8	58.2



#24
Nitrobenzene
Concen: 36.43 ng
RT: 7.142 min Scan# 486
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	77	Resp	134296
Ion Ratio	100	Lower	Upper
123	46.9	37.2	55.8
65	12.9	10.2	15.4





#25

Isophorone

Concen: 42.64 ng

RT: 7.382 min Scan# 507

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

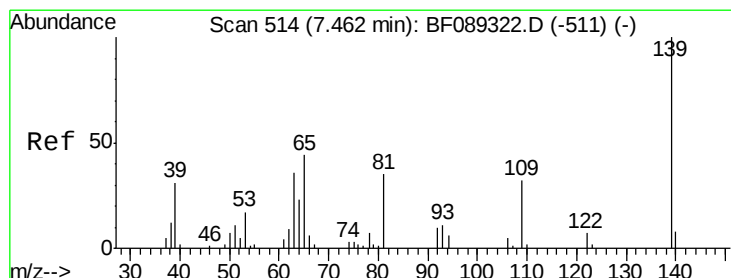
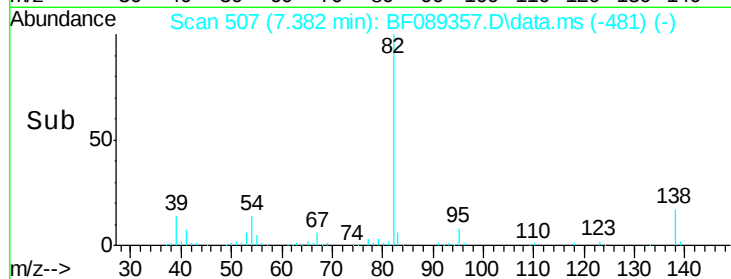
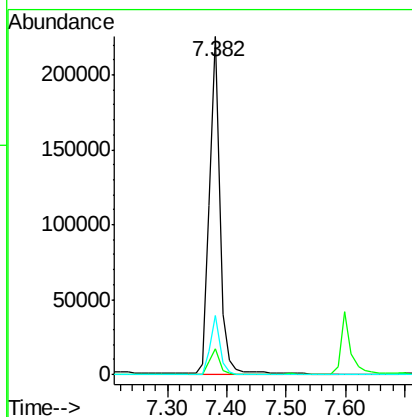
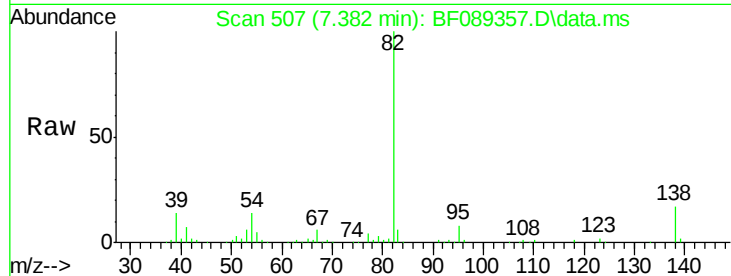
Tot Ion: 82 Resp: 278216

Ion Ratio Lower Upper

82 100

95 7.7 6.0 9.0

138 17.4 13.3 19.9



#26

2-Nitrophenol

Concen: 39.45 ng

RT: 7.462 min Scan# 514

Delta R.T. 0.001 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

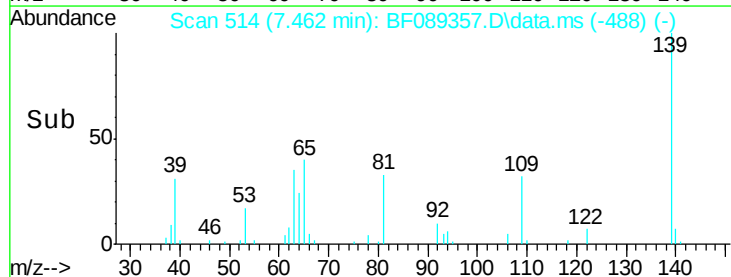
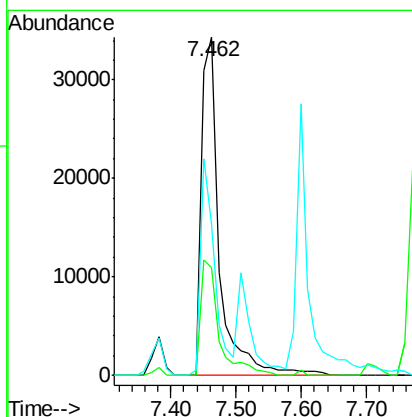
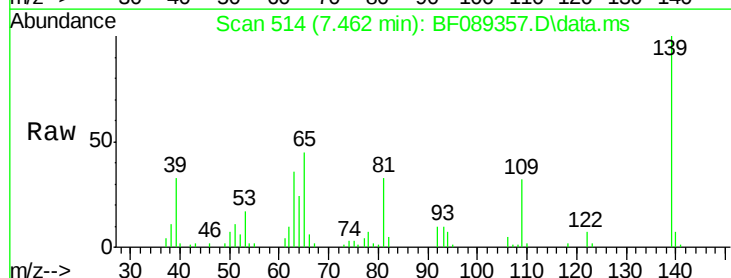
Tgt Ion: 139 Resp: 65019

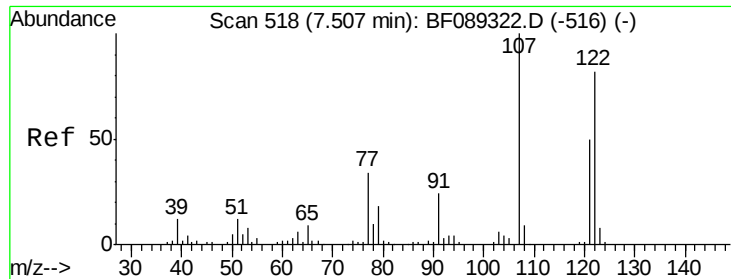
Ion Ratio Lower Upper

139 100

109 31.9 25.8 38.8

65 44.9 35.2 52.8





#27

2,4-Dimethylphenol

Concen: 40.41 ng

RT: 7.507 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

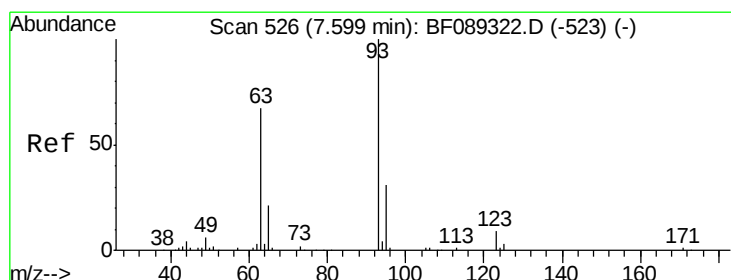
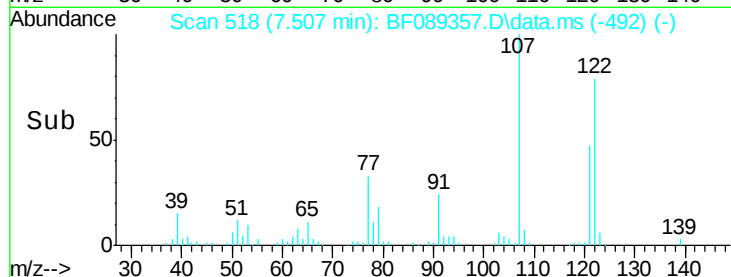
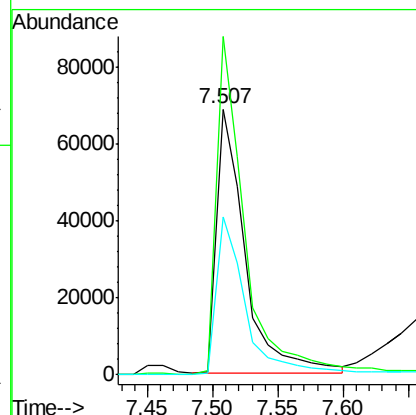
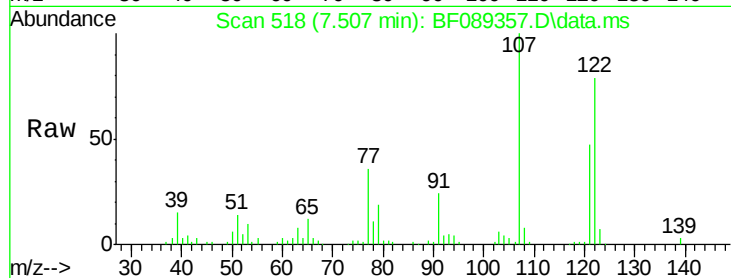
Tot Ion:122 Resp: 106110

Ion Ratio Lower Upper

122 100

107 127.3 97.2 145.8

121 59.5 48.8 73.2



#28

bis(2-Chloroethoxy)methane

Concen: 46.74 ng

RT: 7.599 min Scan# 526

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

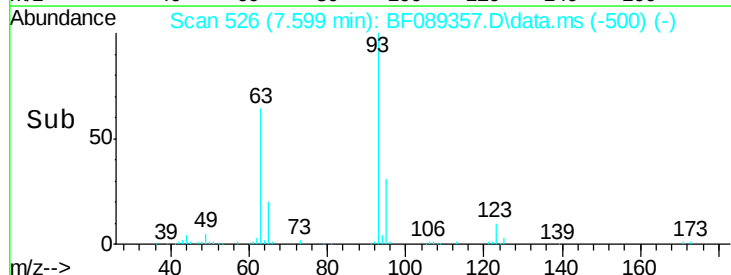
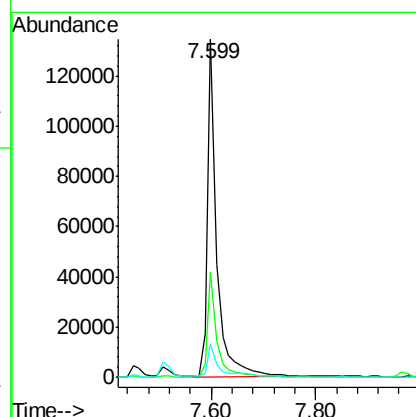
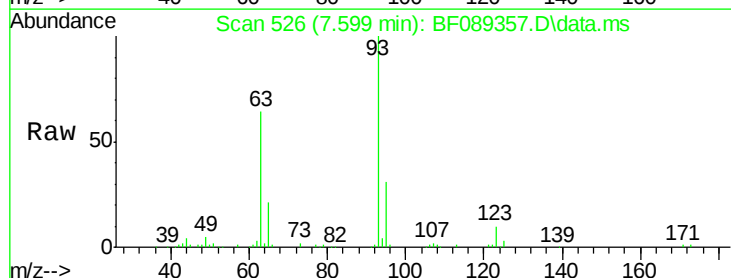
Tgt Ion: 93 Resp: 168800

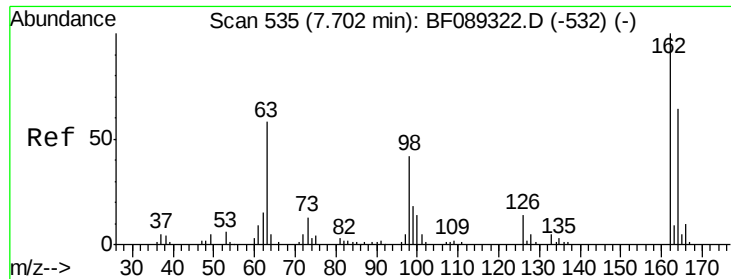
Ion Ratio Lower Upper

93 100

95 31.2 24.7 37.1

123 10.0 7.5 11.3

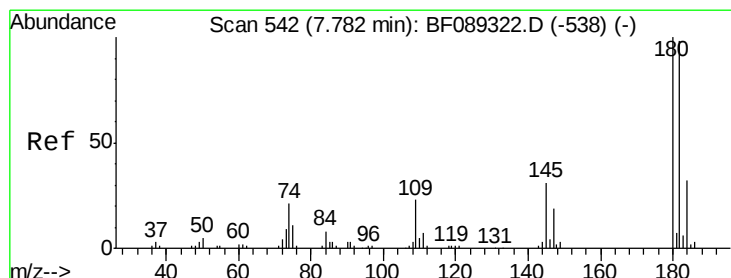
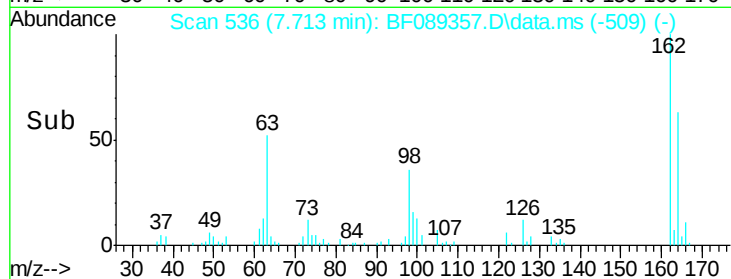
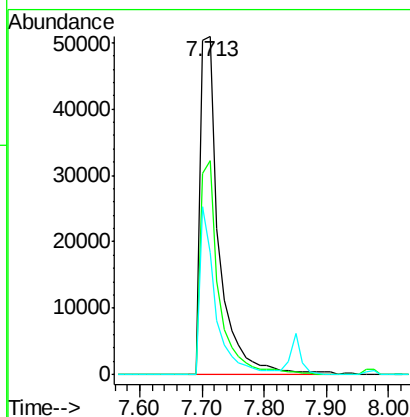
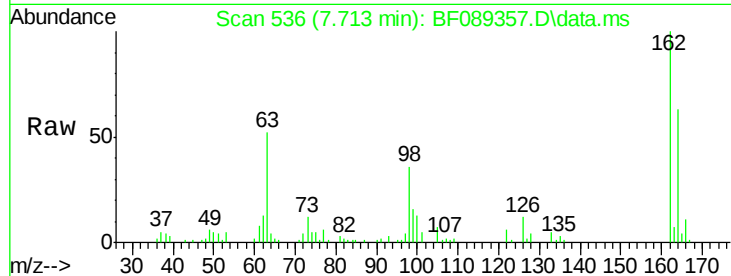




#29
 2,4-Dichlorophenol
 Concen: 45.15 ng
 RT: 7.713 min Scan# 53
 Delta R.T. 0.012 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

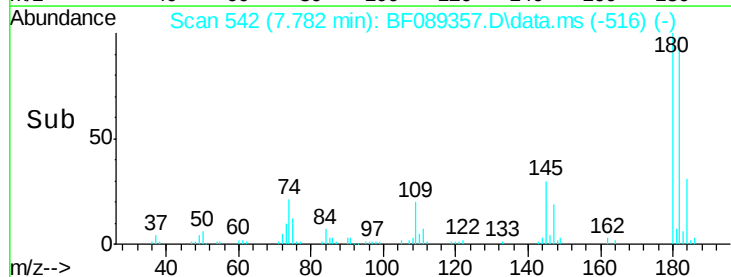
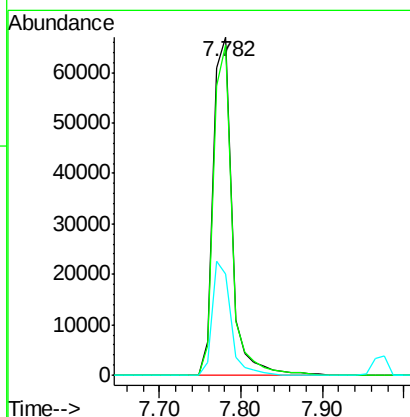
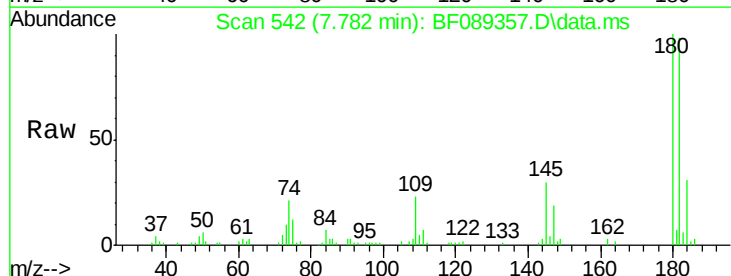
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

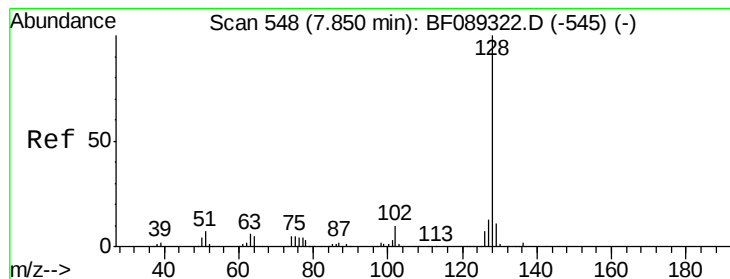
Tot Ion:162	Resp:	108036
Ion Ratio	Lower	Upper
162	100	
164	63.4	44.0 84.0
98	35.9	21.8 61.8



#30
 1,2,4-Trichlorobenzene
 Concen: 39.69 ng
 RT: 7.782 min Scan# 542
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:180	Resp:	108353
Ion Ratio	Lower	Upper
180	100	
182	97.9	78.2 117.2
145	29.8	24.6 36.8





#31

Naphthalene

Concen: 45.57 ng

RT: 7.850 min Scan# 54

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

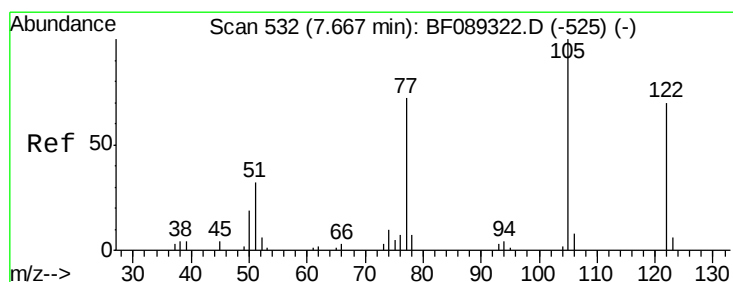
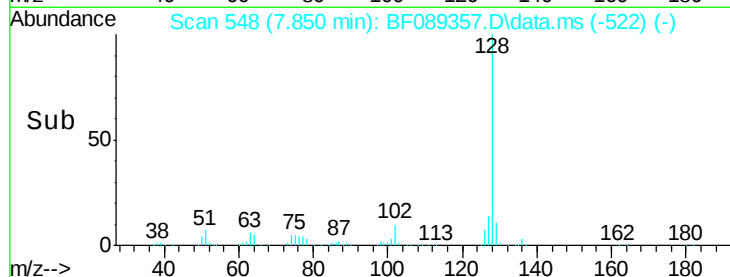
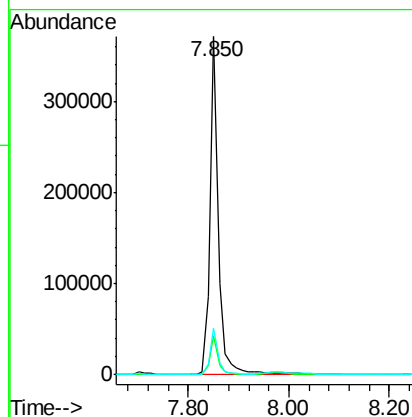
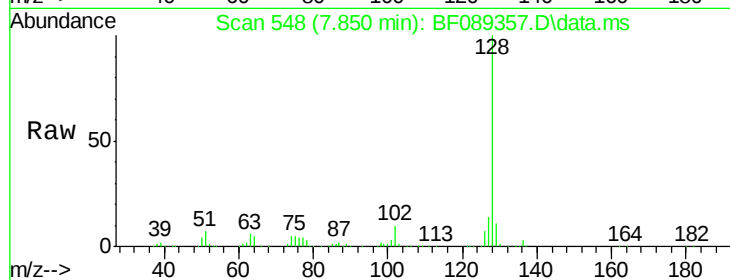
Tot Ion:128 Resp: 431397

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.6 10.8 16.2



#32

Benzoic acid

Concen: 31.52 ng

RT: 7.667 min Scan# 532

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

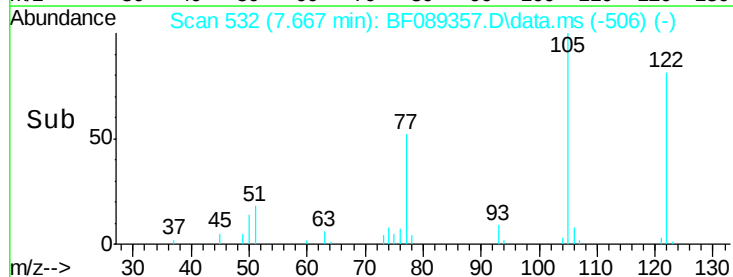
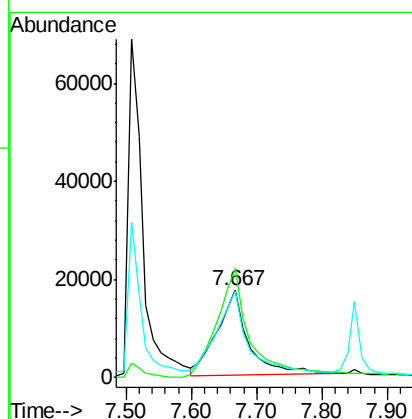
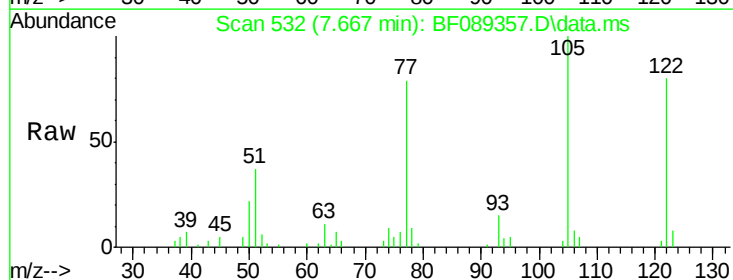
Tgt Ion:122 Resp: 57662

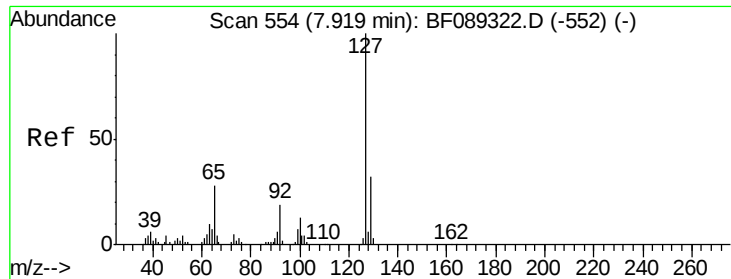
Ion Ratio Lower Upper

122 100

105 125.4 106.4 146.4

77 98.9 76.4 116.4





#33

4-Chloroaniline

Concen: 4.58 ng

RT: 7.976 min Scan# 55

Delta R.T. 0.057 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tot Ion:127 Resp: 16514

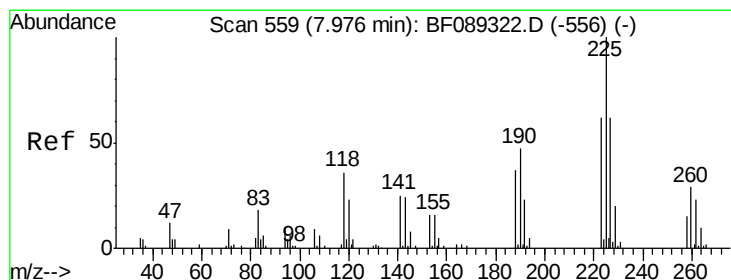
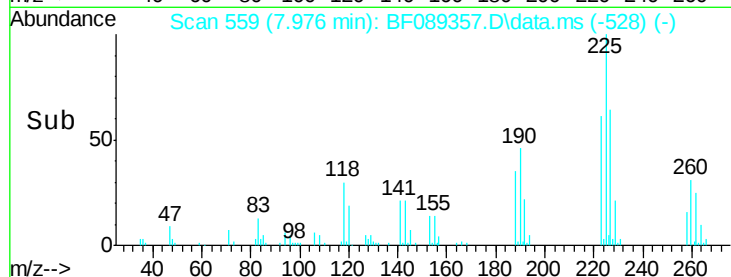
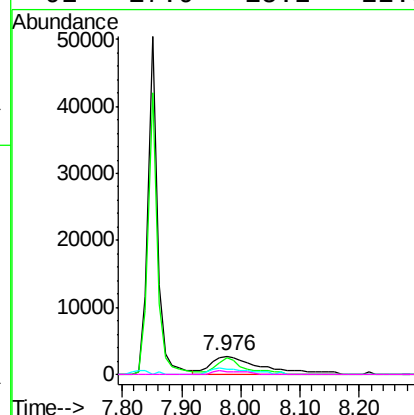
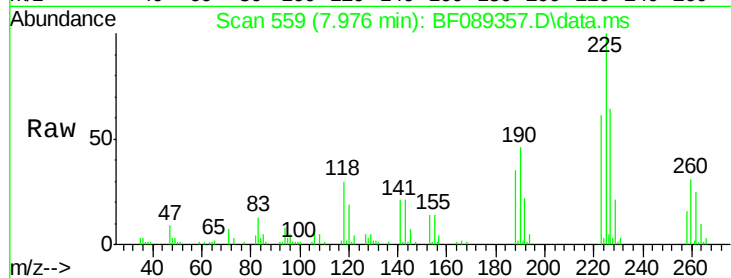
Ion Ratio Lower Upper

127 100

129 94.4 26.1 39.1#

65 32.2 22.0 33.0

92 17.9 15.2 22.8



#34

Hexachlorobutadiene

Concen: 38.84 ng

RT: 7.976 min Scan# 559

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

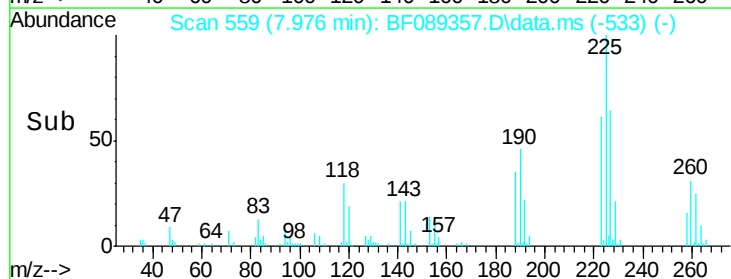
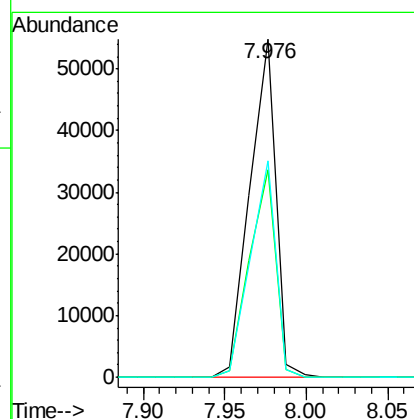
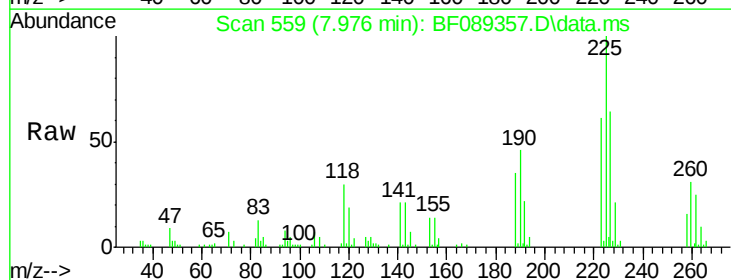
Tgt Ion:225 Resp: 60718

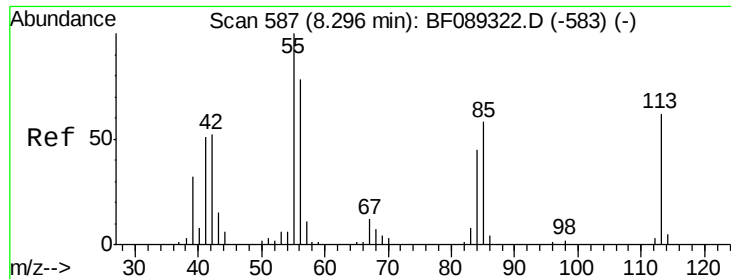
Ion Ratio Lower Upper

225 100

223 61.4 49.8 74.8

227 64.2 49.4 74.2





#35

Caprolactam

Concen: 27.35 ng

RT: 8.296 min Scan# 58

Delta R.T. 0.001 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

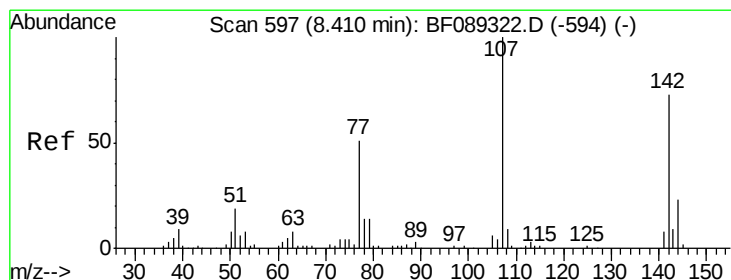
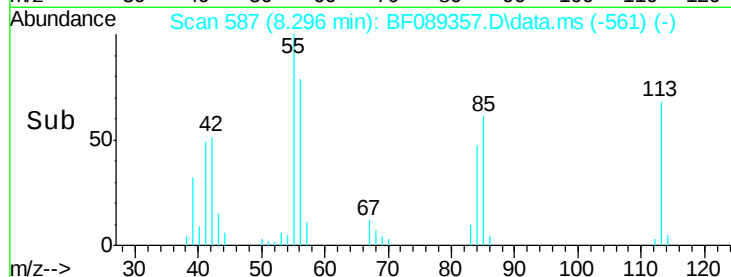
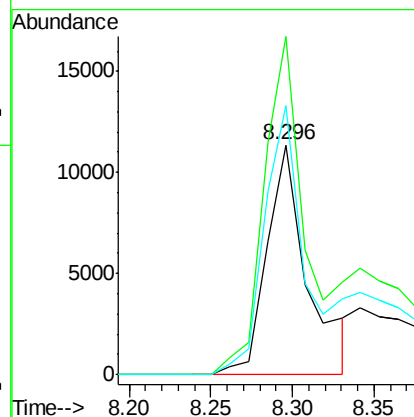
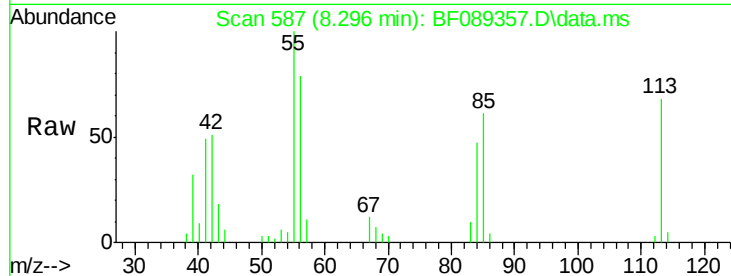
Tot Ion:113 Resp: 19750

Ion Ratio Lower Upper

113 100

55 147.0 142.3 182.3

56 116.8 105.8 145.8



#36

4-Chloro-3-methylphenol

Concen: 44.12 ng

RT: 8.422 min Scan# 598

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

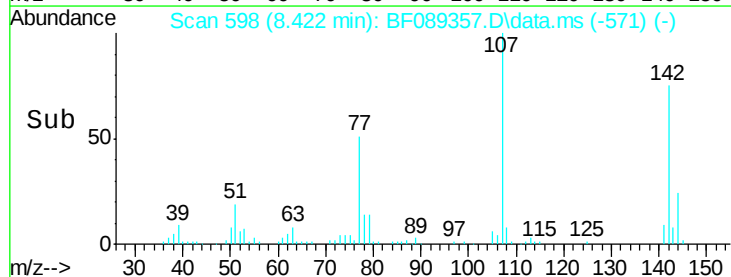
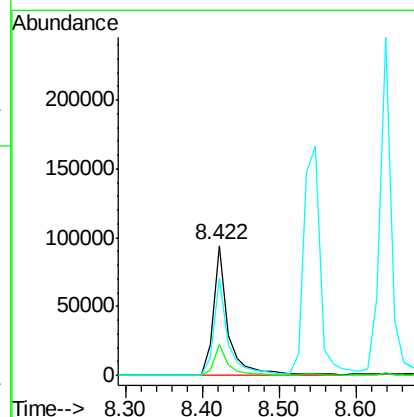
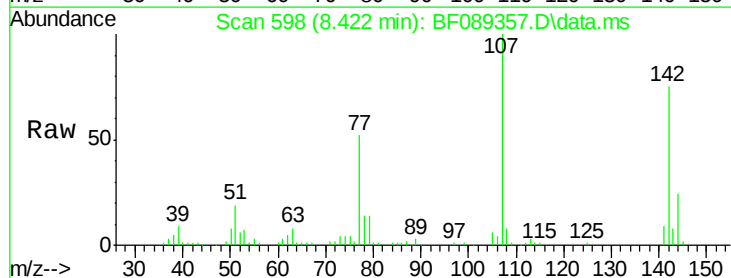
Tgt Ion:107 Resp: 125463

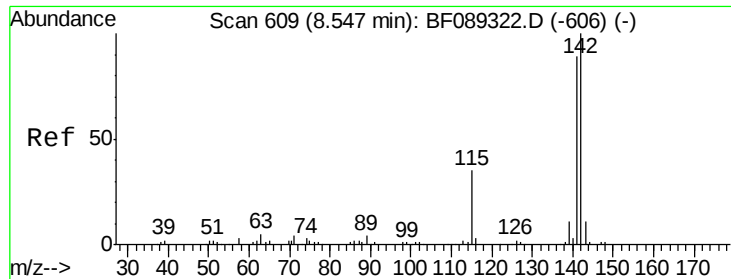
Ion Ratio Lower Upper

107 100

144 24.1 18.4 27.6

142 75.1 58.6 87.8

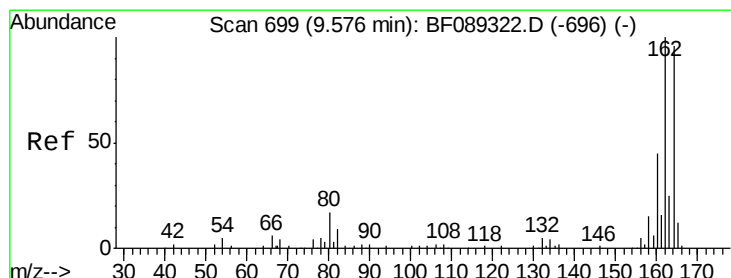
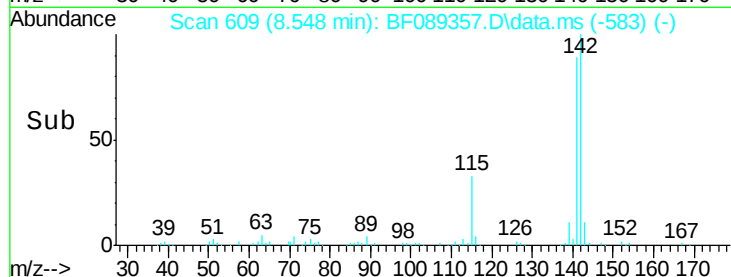
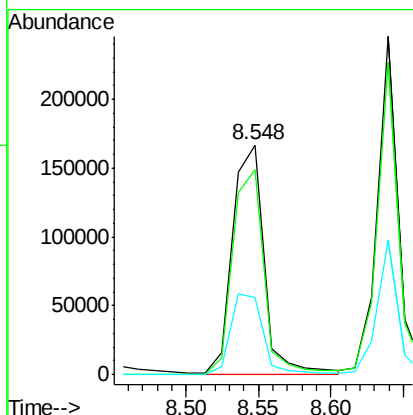
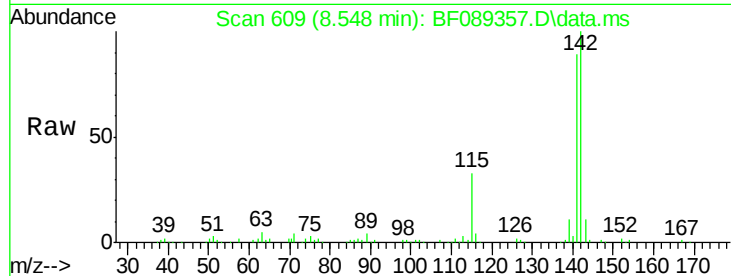




#37
2-Methylnaphthalene
Concen: 44.00 ng
RT: 8.548 min Scan# 609
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

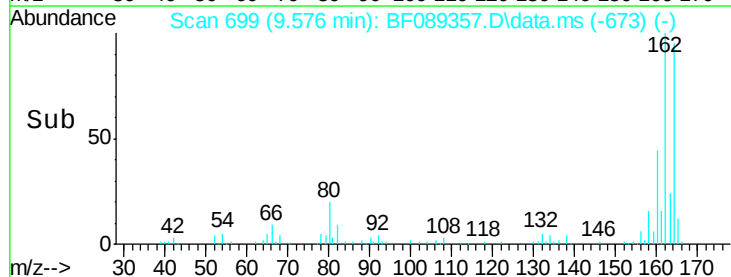
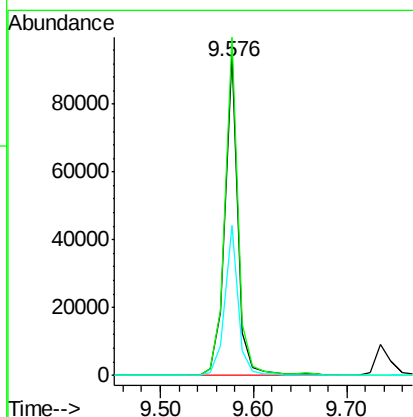
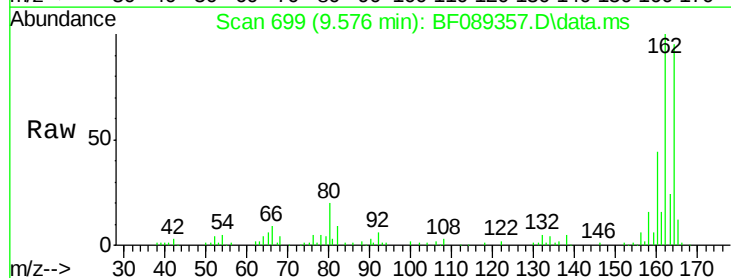
Instrument :
BNA_F
ClientSampleId :
I-4MSD

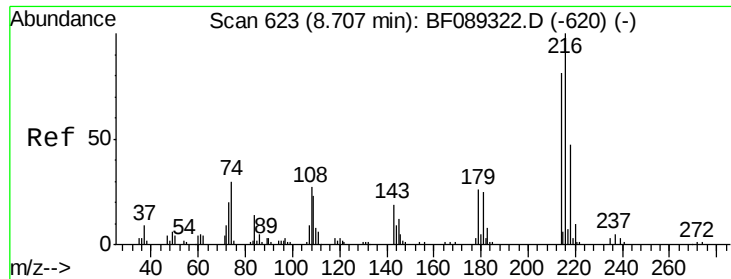
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3
115	33.4	27.6	41.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.576 min Scan# 699
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.7	125.5
160	46.9	37.8	56.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 30.73 ng

RT: 8.708 min Scan# 62

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tot Ion:216 Resp: 98418

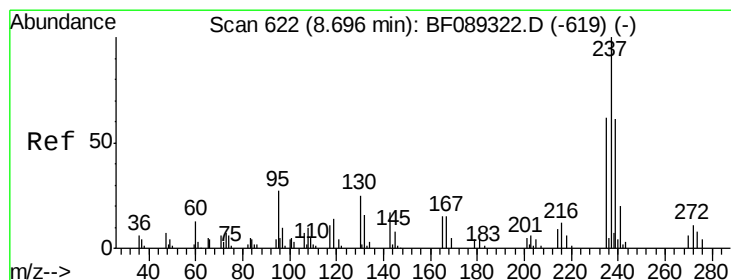
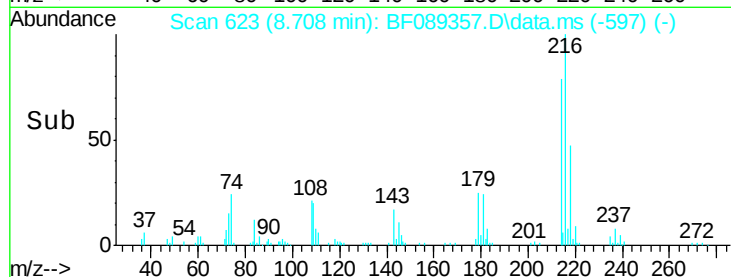
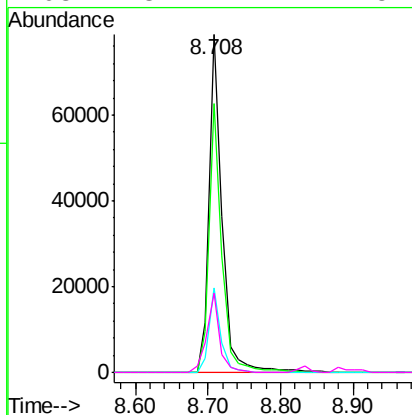
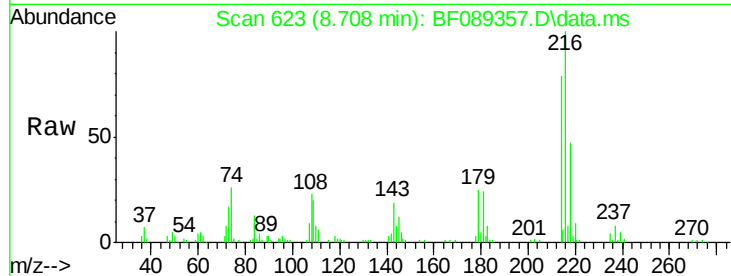
Ion Ratio Lower Upper

216 100

214 77.6 63.3 94.9

179 22.5 18.1 27.1

108 23.1 17.2 25.8



#40

Hexachlorocyclopentadiene

Concen: 87.32 ng

RT: 8.696 min Scan# 622

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

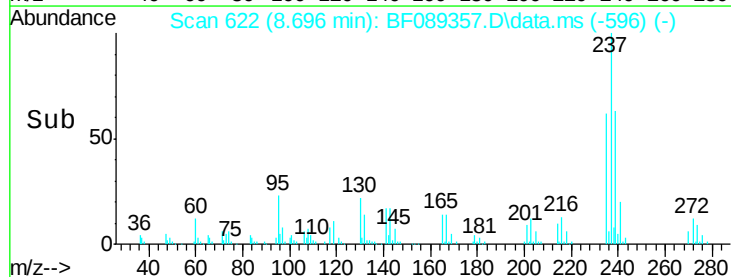
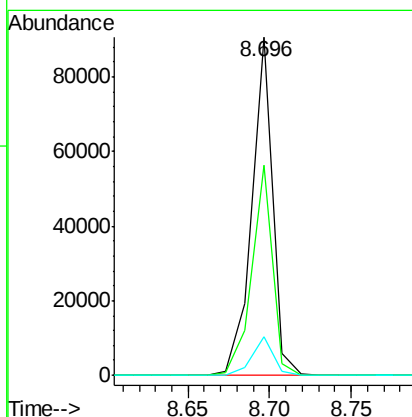
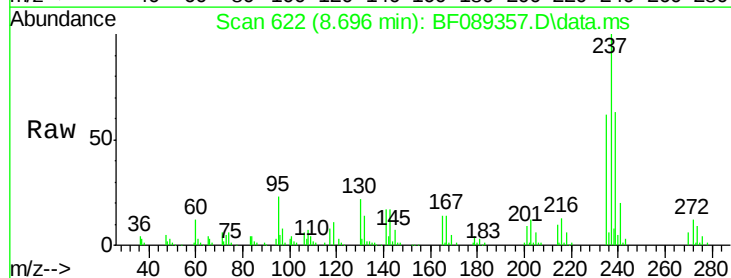
Tgt Ion:237 Resp: 80564

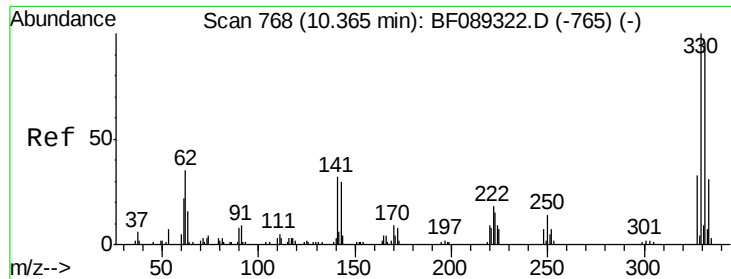
Ion Ratio Lower Upper

237 100

235 62.0 41.6 81.6

272 11.6 0.0 30.8

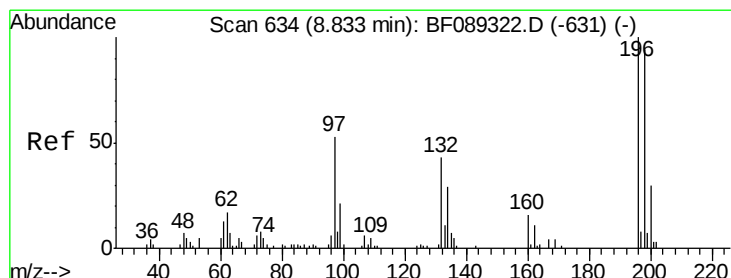
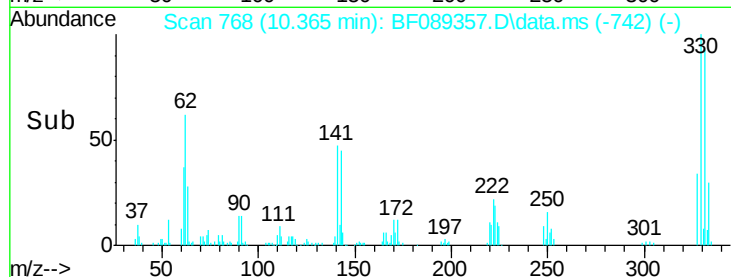
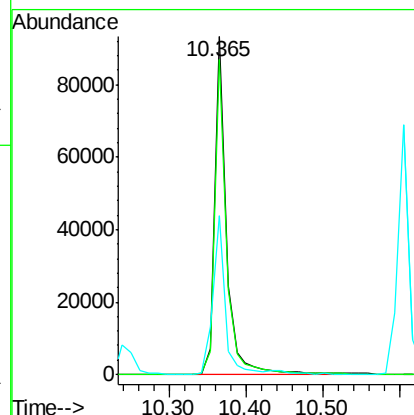
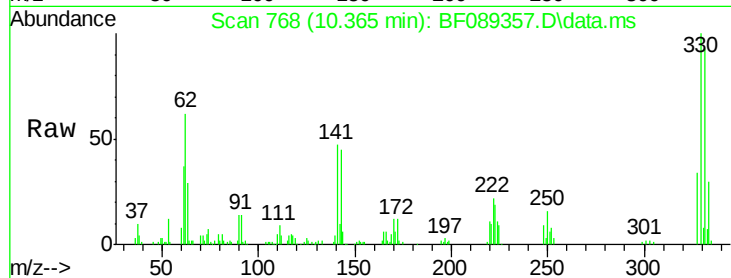




#41
 2,4,6-Tribromophenol
 Concen: 128.98 ng
 RT: 10.365 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

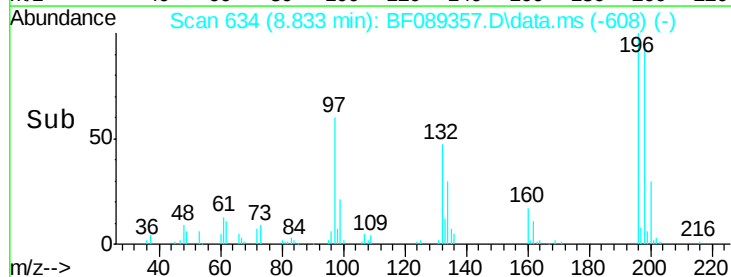
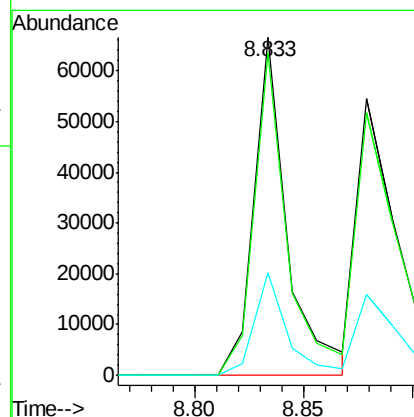
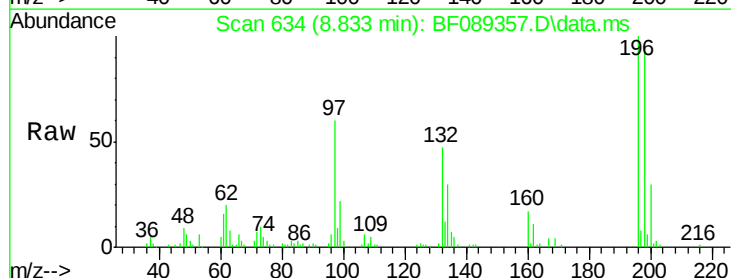
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

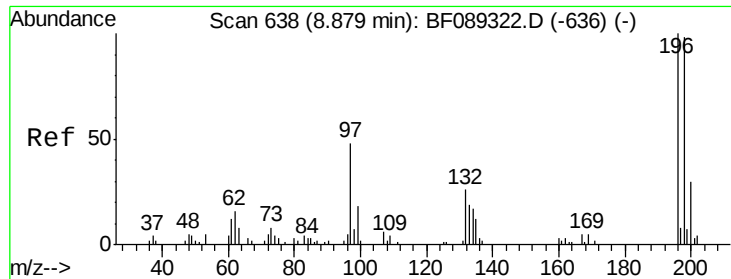
Tot Ion:330 Resp: 97770
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.8 115.2
 141 51.2 37.3 55.9



#42
 2,4,6-Trichlorophenol
 Concen: 46.46 ng
 RT: 8.833 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:196 Resp: 70754
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.5 113.3
 200 30.3 23.9 35.9

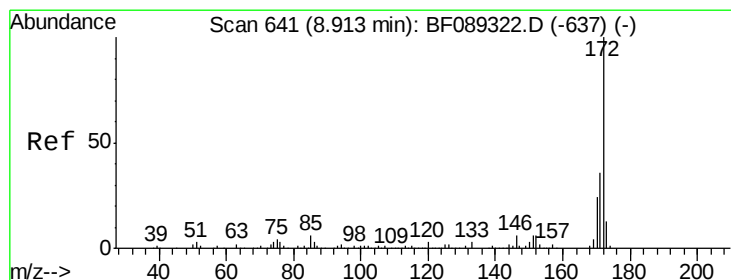
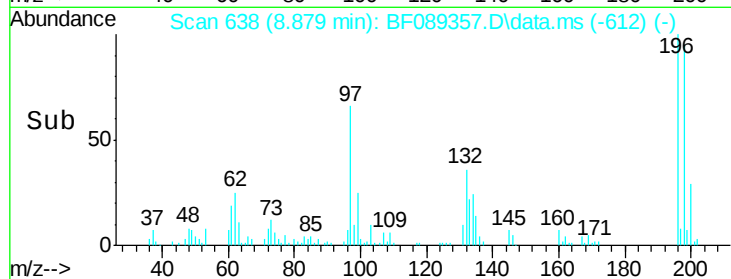
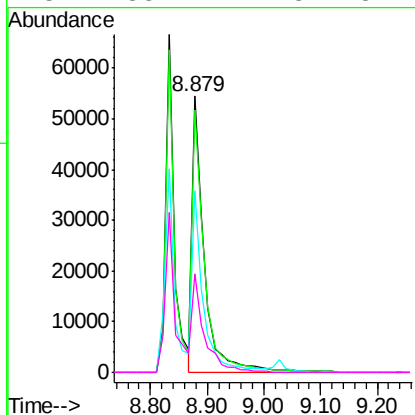
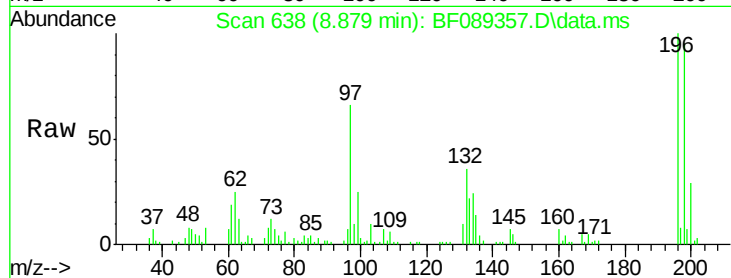




#43
 2,4,5-Trichlorophenol
 Concen: 42.93 ng
 RT: 8.879 min Scan# 638
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

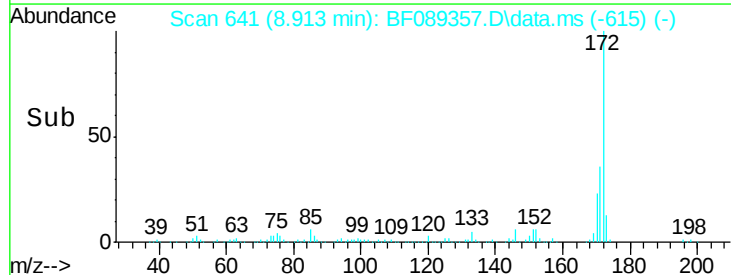
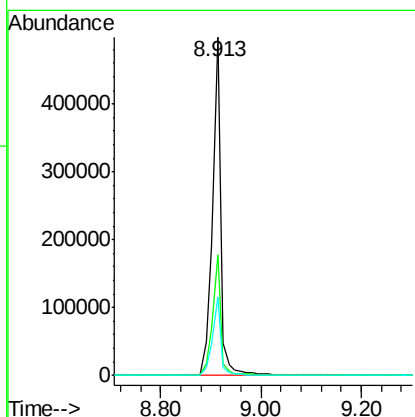
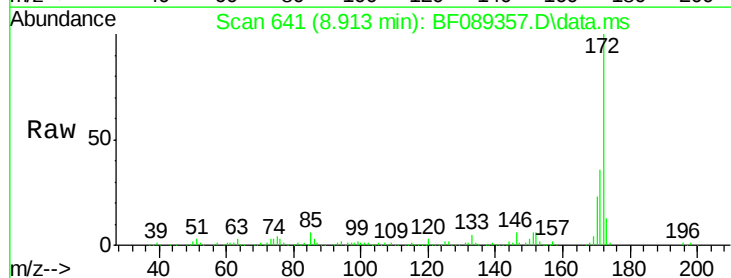
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

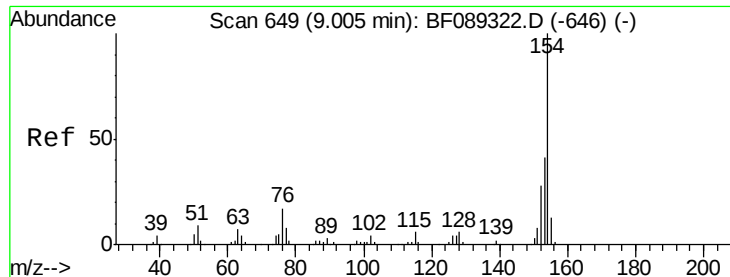
Tot Ion:196 Resp: 82806
 Ion Ratio Lower Upper
 196 100
 198 95.0 78.7 118.1
 97 65.8 39.7 59.5#
 132 35.7 22.8 34.2#



#44
 2-Fluorobiphenyl
 Concen: 92.13 ng
 RT: 8.913 min Scan# 641
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:172 Resp: 574549
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.2 43.8
 170 23.2 19.2 28.8

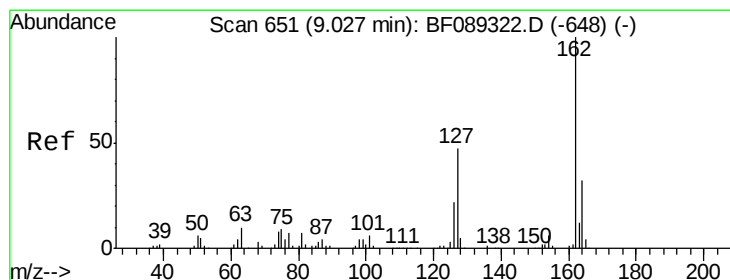
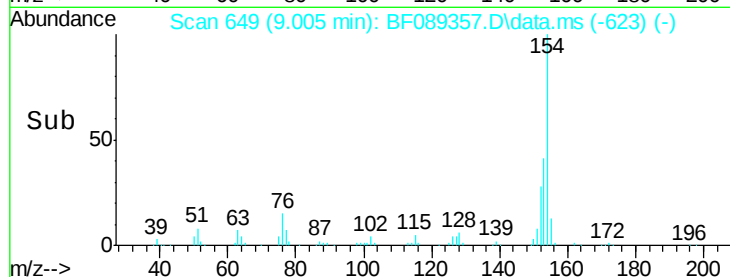
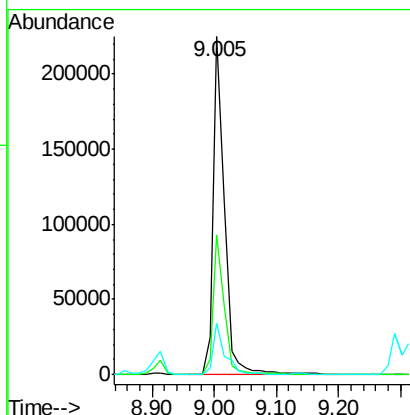
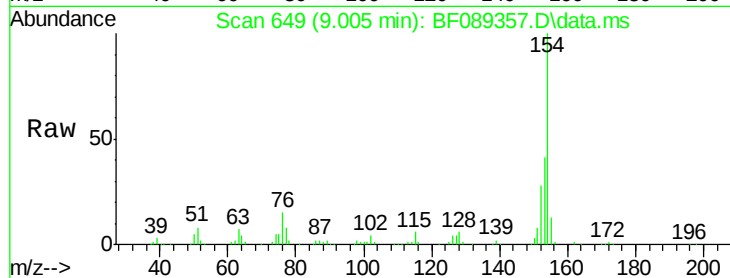




#45
 1,1'-Biphenyl
 Concen: 35.83 ng
 RT: 9.005 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

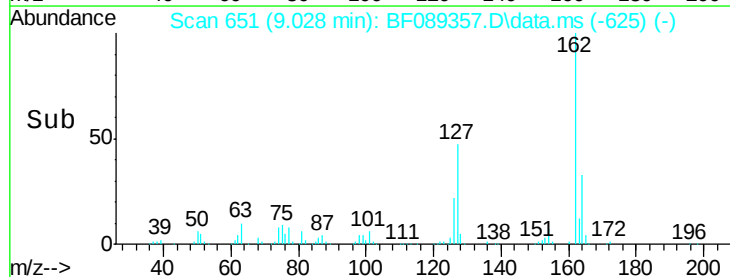
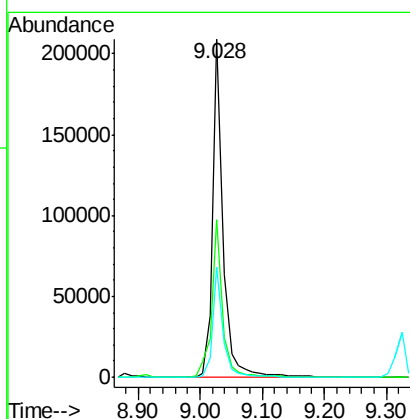
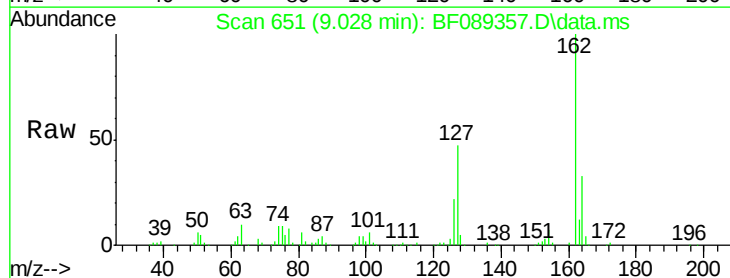
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

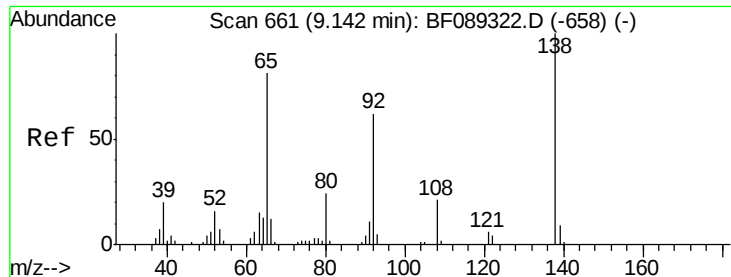
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.0	61.0
76	15.2	0.0	36.6



#46
 2-Chloronaphthalene
 Concen: 41.48 ng
 RT: 9.028 min Scan# 651
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
162	100		
127	46.8	37.8	56.8
164	32.6	25.8	38.8

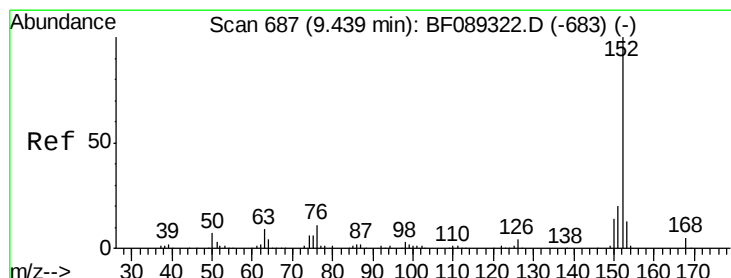
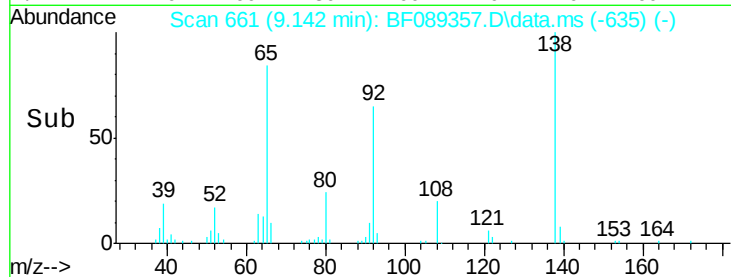
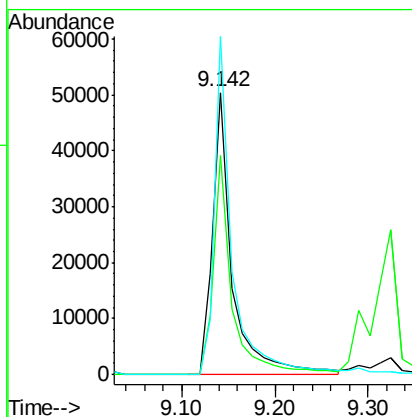
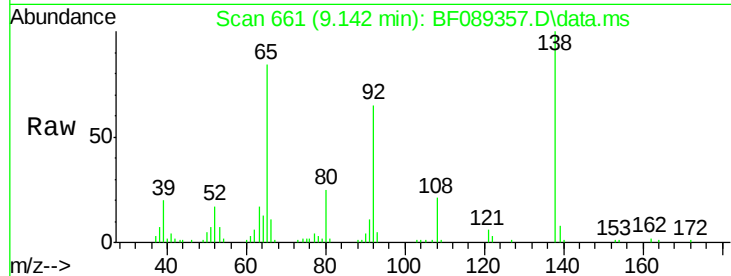




#47
 2-Nitroaniline
 Concen: 42.78 ng
 RT: 9.142 min Scan# 661
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

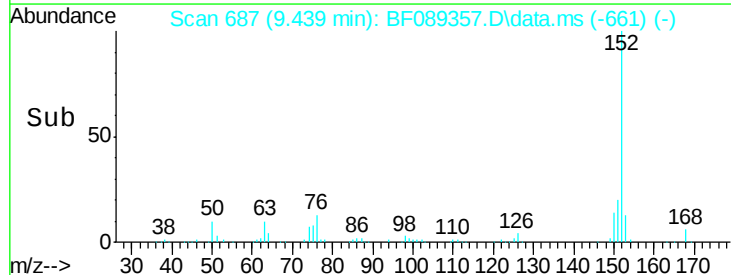
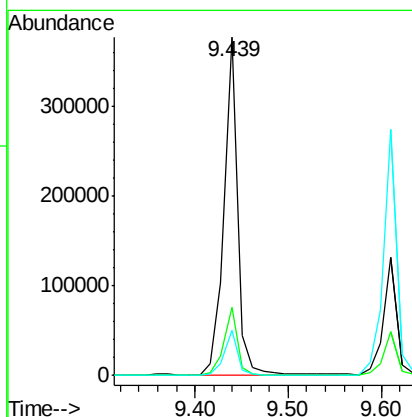
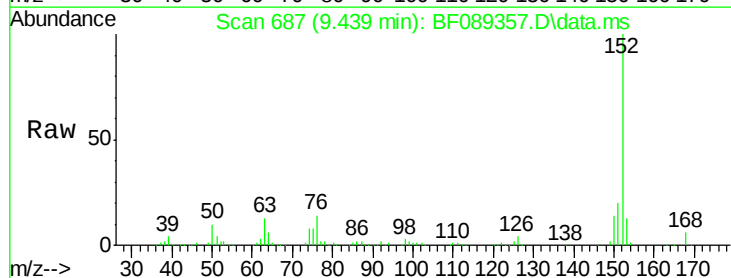
Instrument :
 BNA_F
 ClientSampleId :

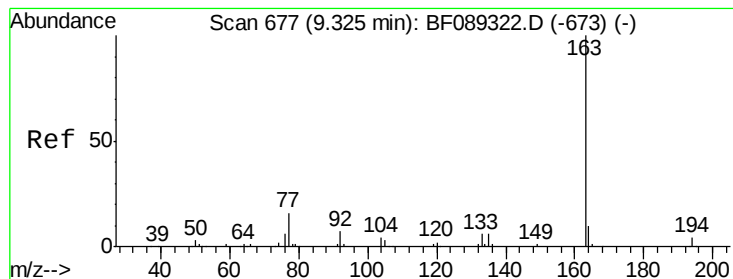
Tot Ion:	65	Resp:	74146
Ion Ratio	Lower	Upper	
65	100		
92	77.8	61.0	91.4
138	119.7	99.1	148.7



#48
 Acenaphthylene
 Concen: 41.92 ng
 RT: 9.439 min Scan# 687
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:	152	Resp:	386388
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.2	24.2
153	13.2	10.2	15.4





#49

Dimethylphthalate

Concen: 45.48 ng

RT: 9.325 min Scan# 67

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

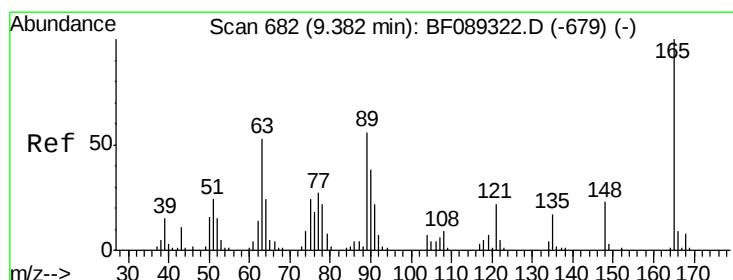
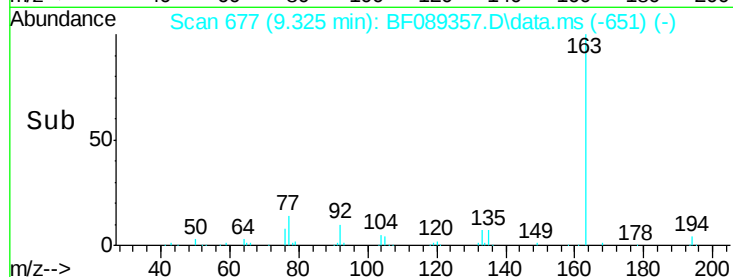
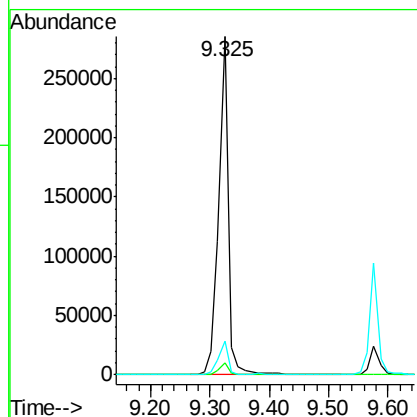
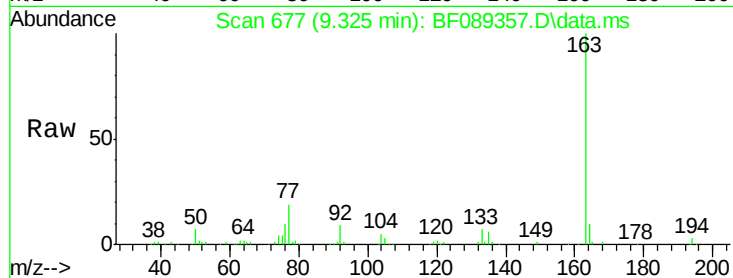
Tot Ion:163 Resp: 316818

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

164 9.8 7.8 11.8



#50

2,6-Dinitrotoluene

Concen: 46.18 ng

RT: 9.382 min Scan# 682

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

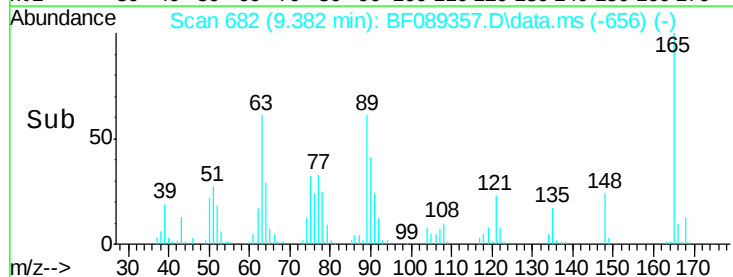
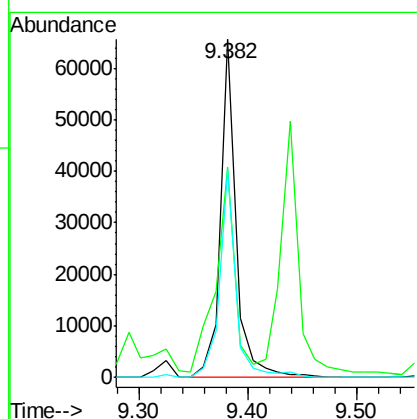
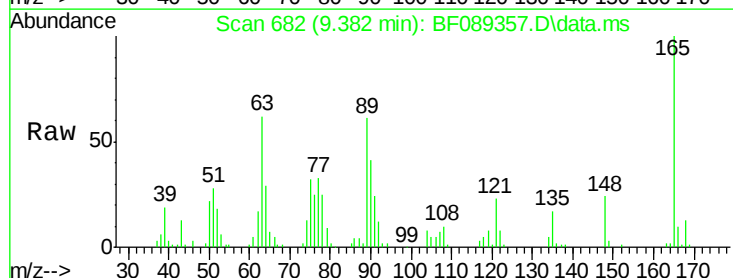
Tgt Ion:165 Resp: 66088

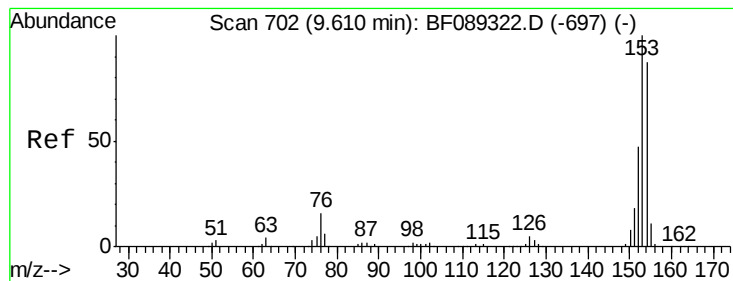
Ion Ratio Lower Upper

165 100

63 62.0 43.5 65.3

89 61.4 45.0 67.4





#51

Acenaphthene

Concen: 44.25 ng

RT: 9.611 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

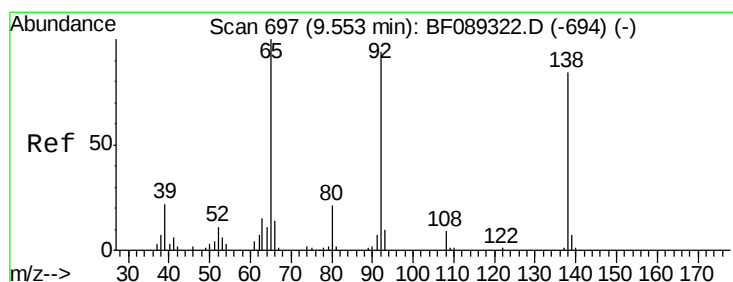
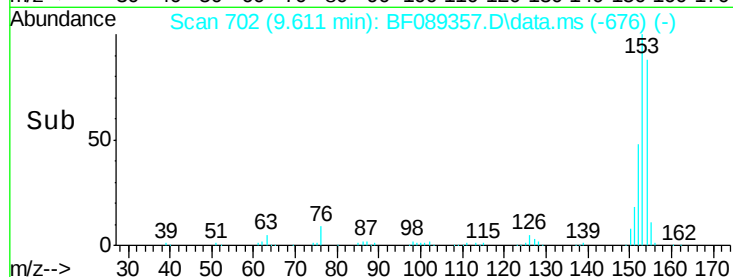
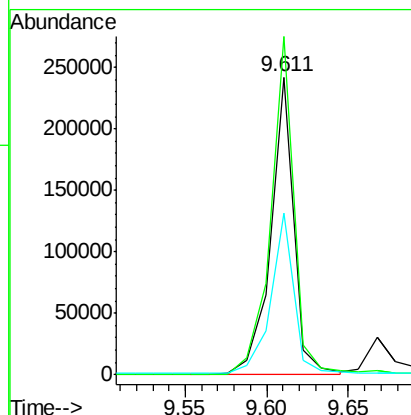
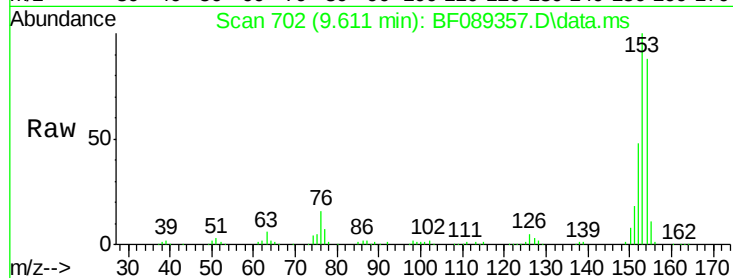
Tot Ion:154 Resp: 238199

Ion Ratio Lower Upper

154 100

153 113.8 91.4 137.2

152 54.4 43.8 65.6



#52

3-Nitroaniline

Concen: 15.14 ng

RT: 9.553 min Scan# 697

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

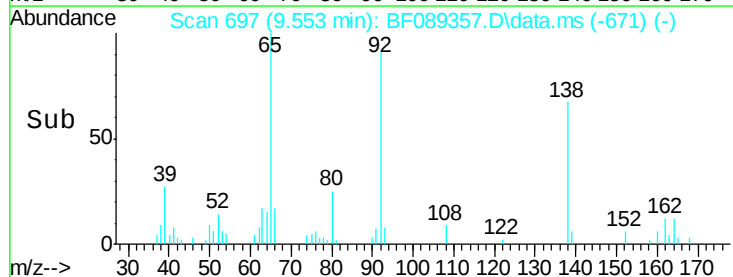
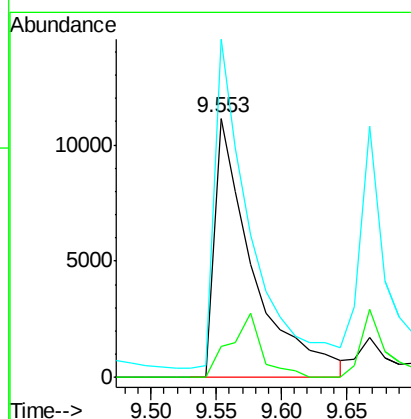
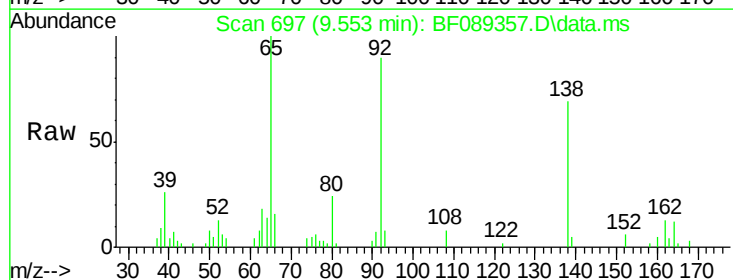
Tgt Ion:138 Resp: 22865

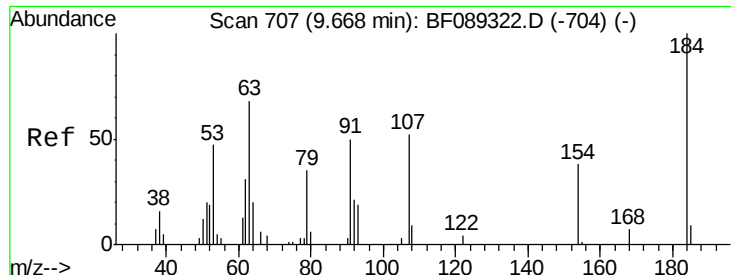
Ion Ratio Lower Upper

138 100

108 11.8 8.6 13.0

92 130.5 90.0 135.0

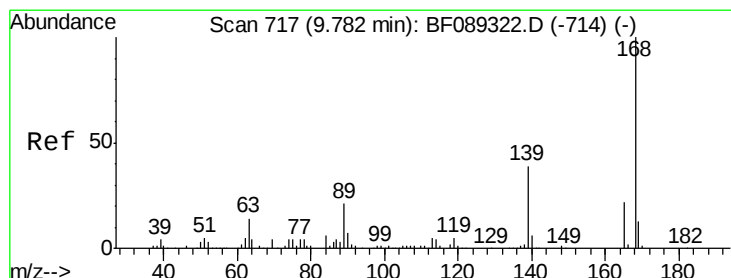
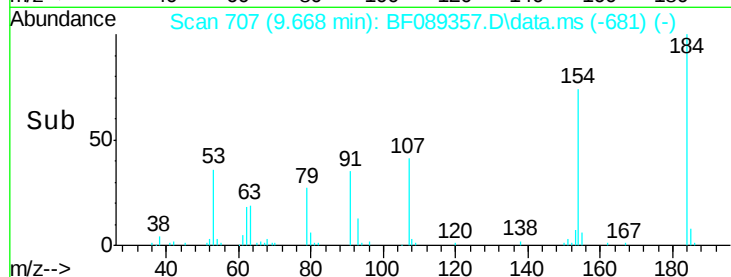
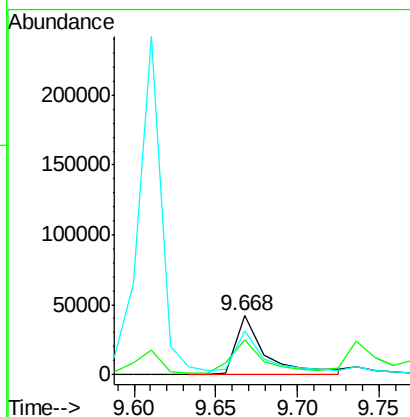
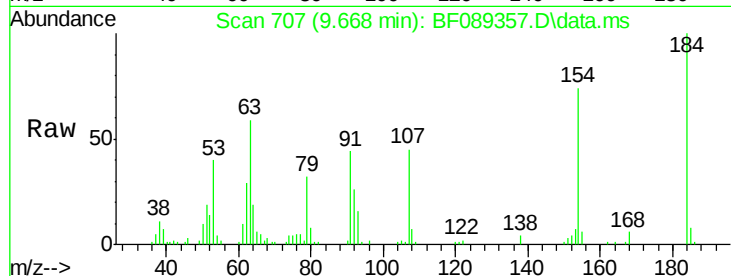




#53
 2,4-Dinitrophenol
 Concen: 79.53 ng
 RT: 9.668 min Scan# 707
 Delta R.T. 0.001 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

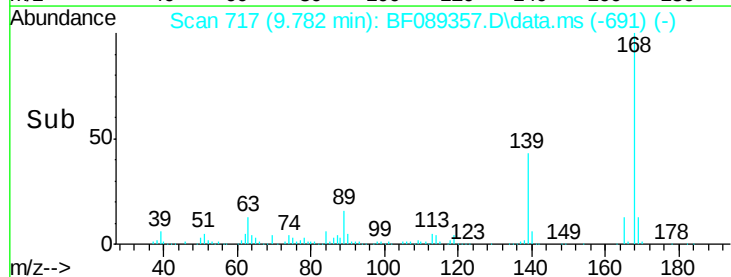
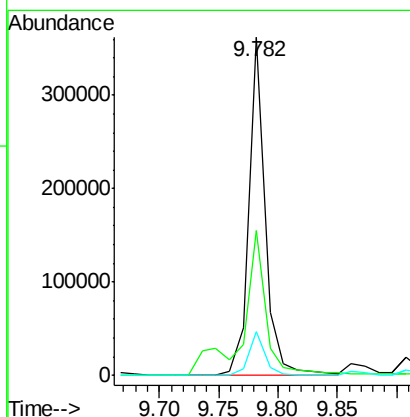
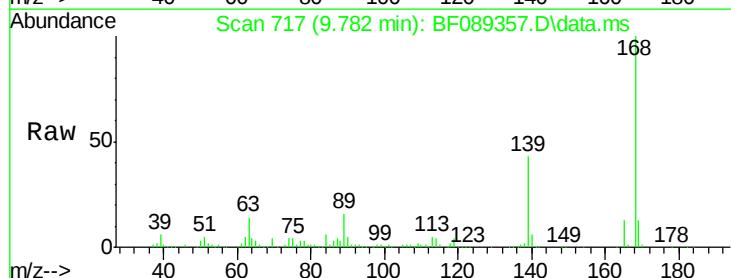
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

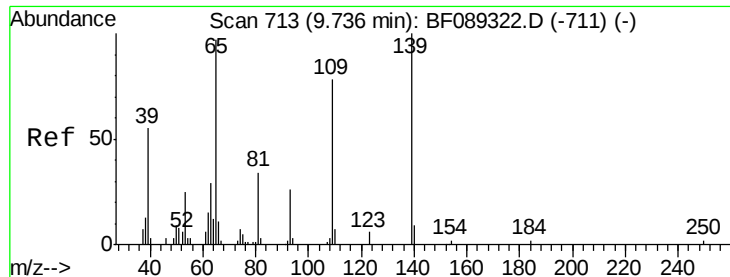
Tot Ion:184 Resp: 52589
 Ion Ratio Lower Upper
 184 100
 63 58.9 60.6 90.8#
 154 73.8 69.8 104.8



#54
 Dibenzofuran
 Concen: 47.59 ng
 RT: 9.782 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:168 Resp: 349116
 Ion Ratio Lower Upper
 168 100
 139 42.6 33.7 50.5
 169 13.1 10.7 16.1





#55

4-Nitrophenol

Concen: 287.32 ng

RT: 9.782 min Scan# 71

Delta R.T. 0.046 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampled :

I-4MSD

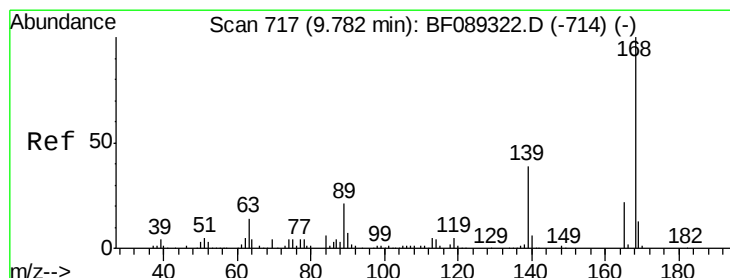
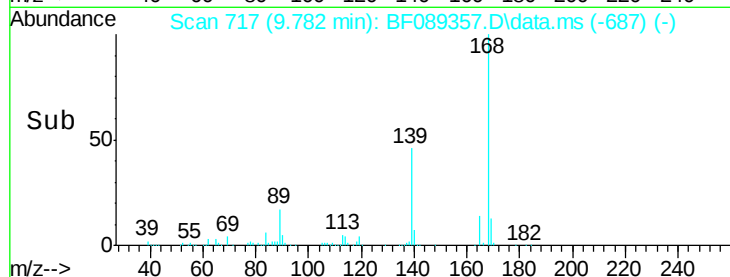
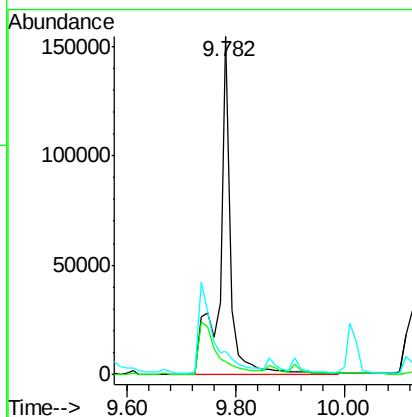
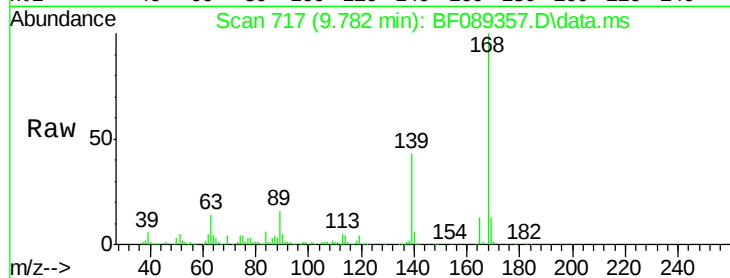
Tot Ion:139 Resp: 224127

Ion Ratio Lower Upper

139 100

109 3.8 57.8 97.8#

65 7.0 81.7 121.7#



#56

2,4-Dinitrotoluene

Concen: 43.95 ng

RT: 9.793 min Scan# 718

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:165 Resp: 82808

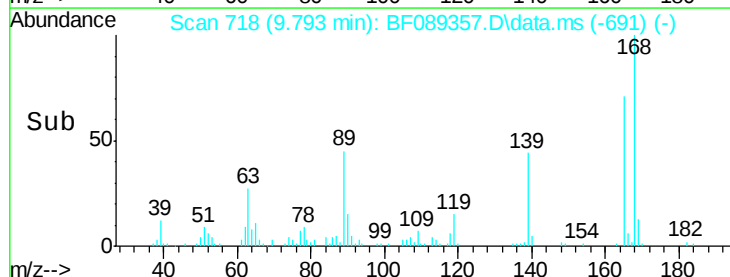
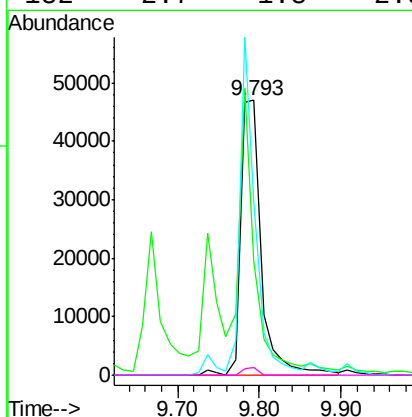
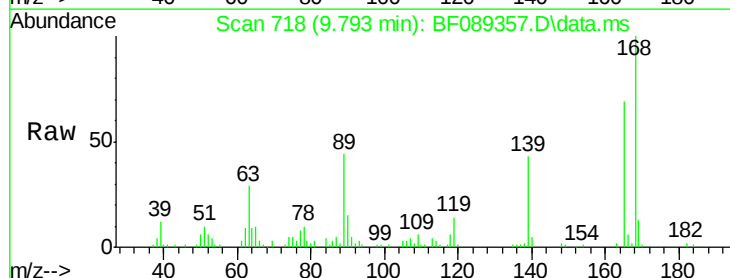
Ion Ratio Lower Upper

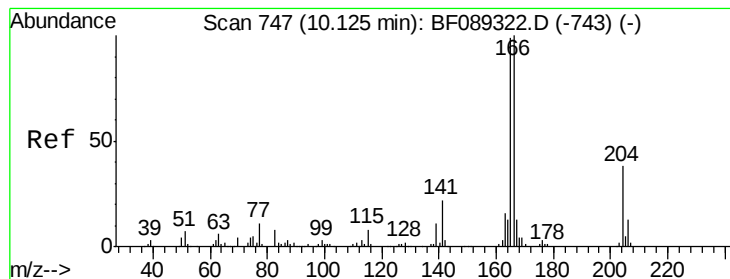
165 100

63 41.5 58.2 87.2#

89 63.4 79.1 118.7#

182 2.7 1.8 2.8





#57

Fluorene

Concen: 44.38 ng

RT: 10.125 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

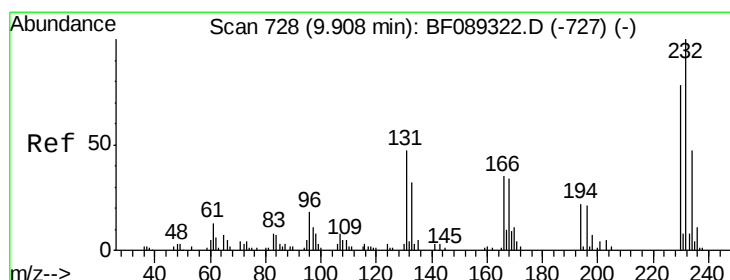
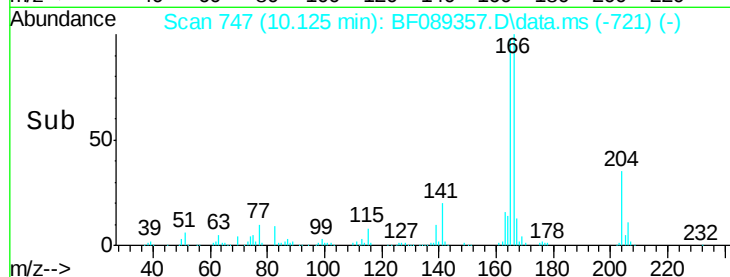
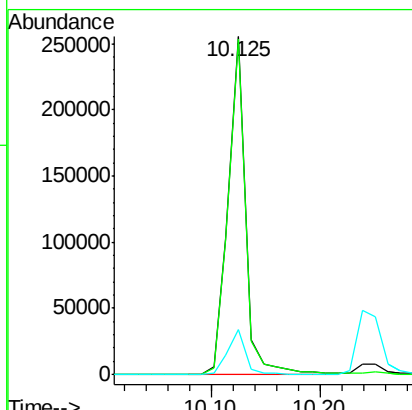
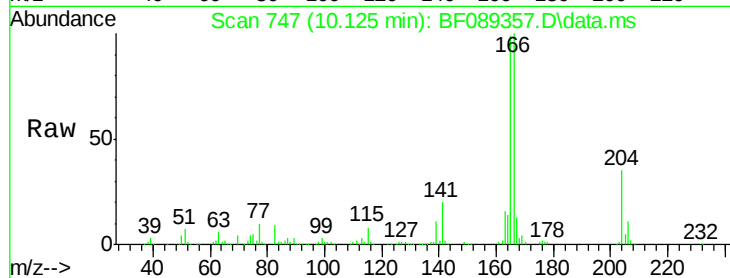
Tot Ion:166 Resp: 284194

Ion Ratio Lower Upper

166 100

165 99.3 79.0 118.4

167 13.2 10.2 15.2



#58

2,3,4,6-Tetrachlorophenol

Concen: 49.62 ng

RT: 9.908 min Scan# 728

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion:232 Resp: 63907

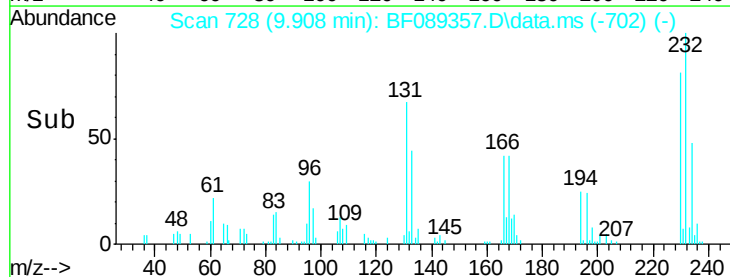
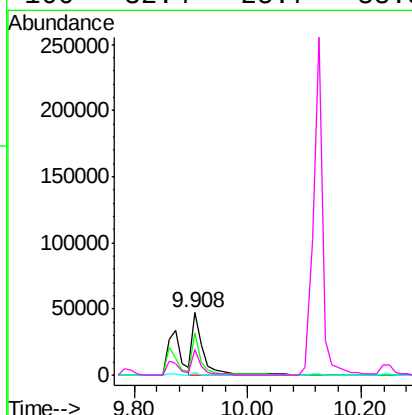
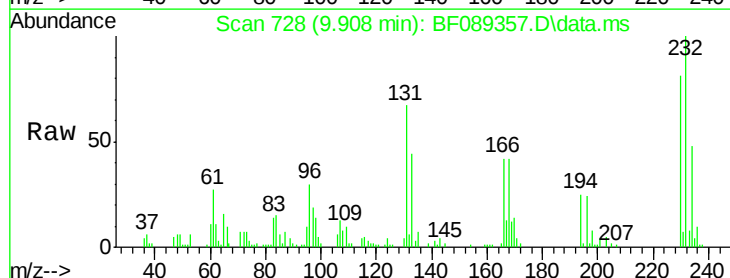
Ion Ratio Lower Upper

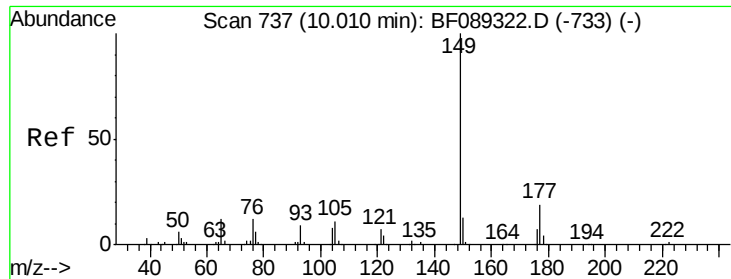
232 100

131 50.8 42.7 64.1

130 2.4 1.7 2.5

166 32.4 25.7 38.5

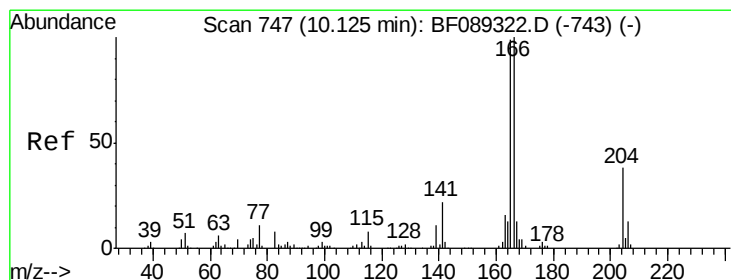
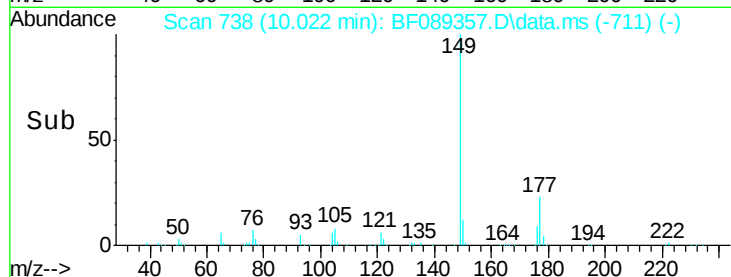
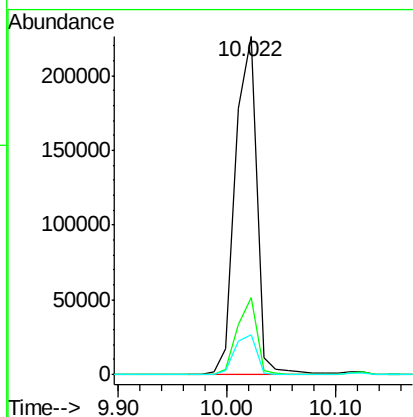
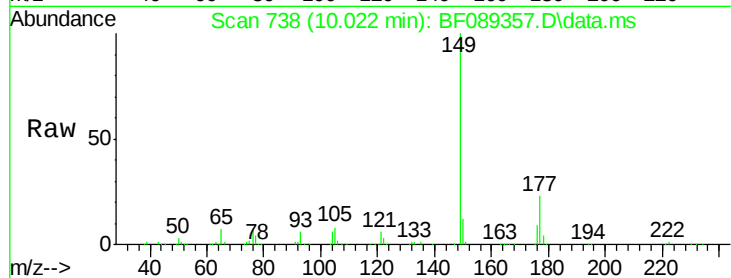




#59
Diethylphthalate
Concen: 43.19 ng
RT: 10.022 min Scan# 737
Delta R.T. 0.012 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

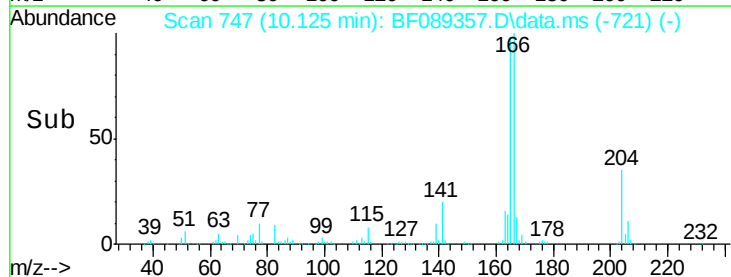
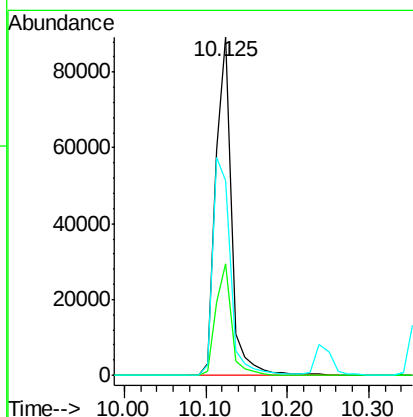
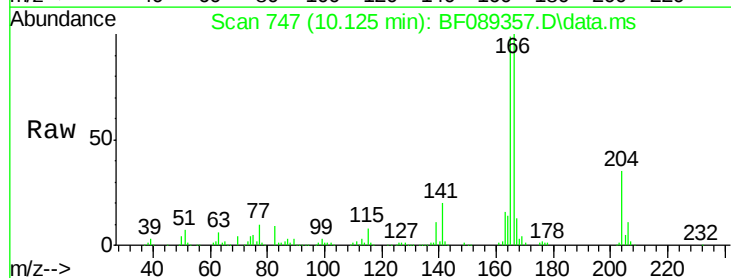
Instrument :
BNA_F
ClientSampleId :
I-4MSD

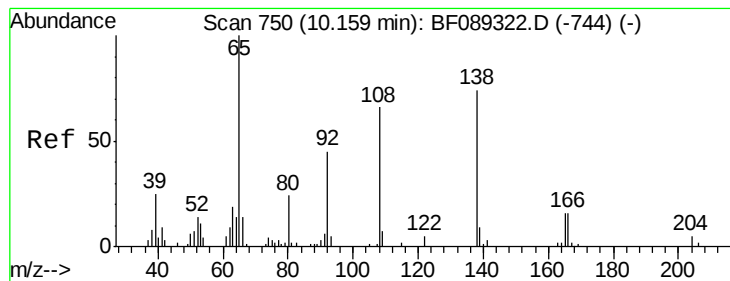
Tot Ion:149 Resp: 304978
Ion Ratio Lower Upper
149 100
177 22.7 15.1 22.7#
150 11.8 10.2 15.4



#60
4-Chlorophenyl-phenylether
Concen: 40.67 ng
RT: 10.125 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:204 Resp: 119462
Ion Ratio Lower Upper
204 100
206 32.9 26.6 39.8
141 57.5 46.6 70.0





#61

4-Nitroaniline

Concen: 30.99 ng

RT: 10.171 min Scan# 751

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

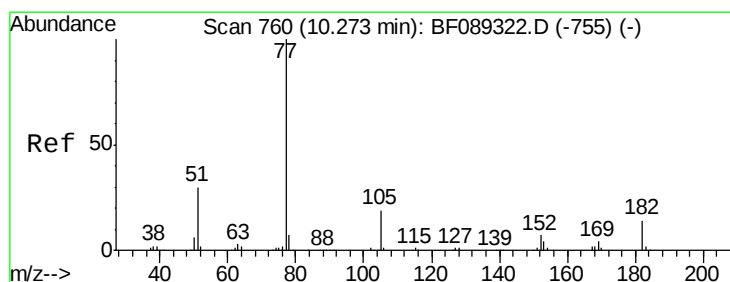
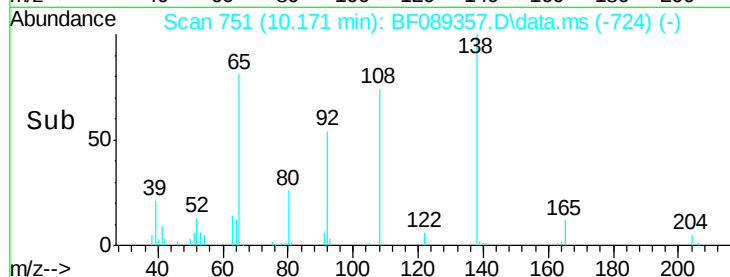
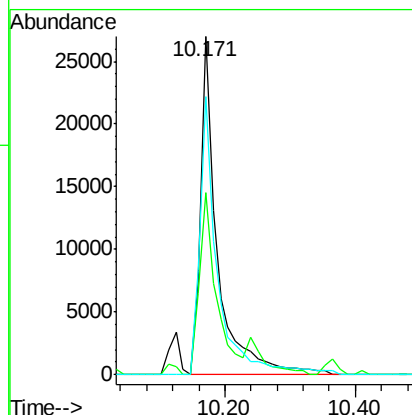
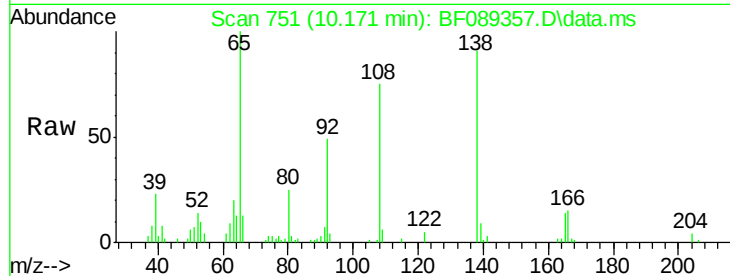
Tot Ion:138 Resp: 48243

Ion Ratio Lower Upper

138 100

92 53.6 41.2 81.2

108 82.1 69.6 109.6



#62

Azobenzene

Concen: 43.78 ng

RT: 10.273 min Scan# 760

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Tgt Ion: 77 Resp: 318379

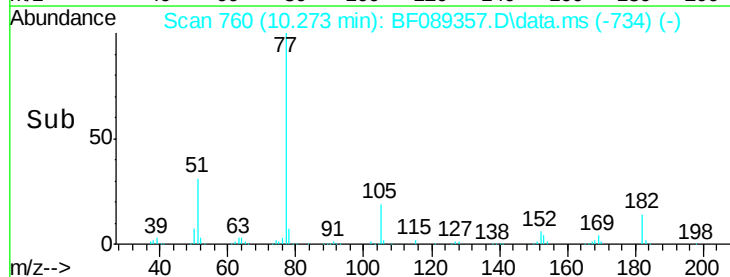
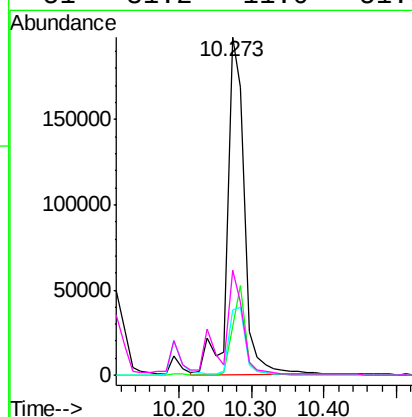
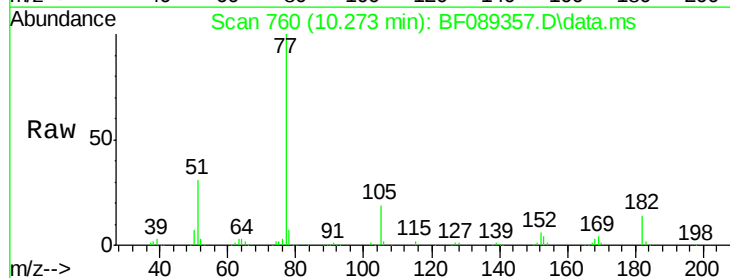
Ion Ratio Lower Upper

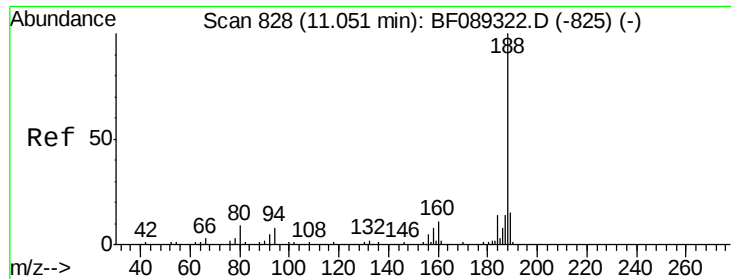
77 100

182 14.5 0.0 33.8

105 19.4 0.0 39.8

51 31.2 11.0 51.0

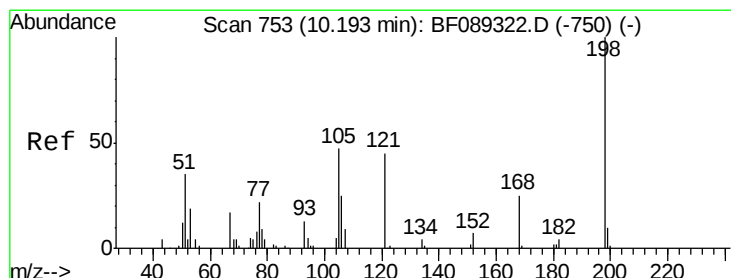
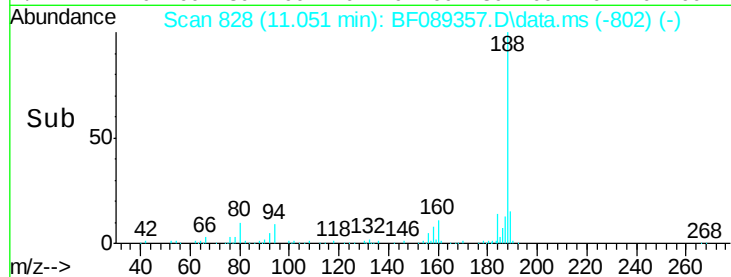
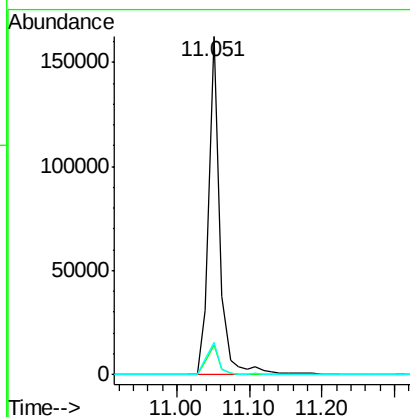
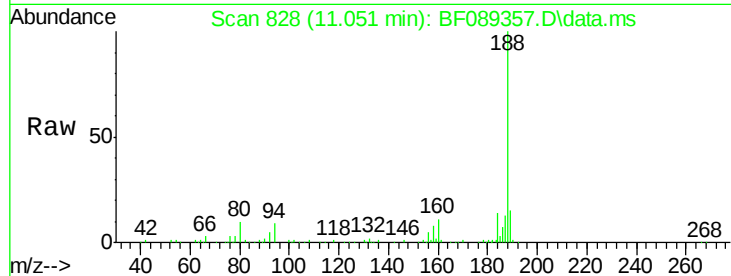




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.051 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

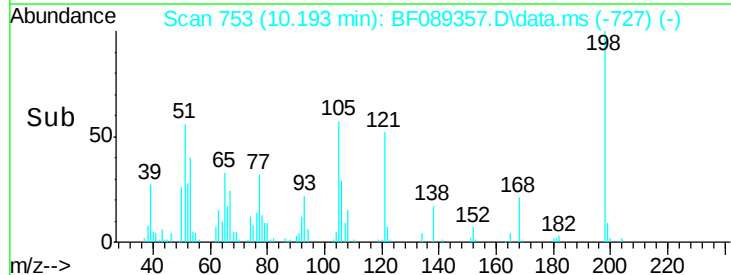
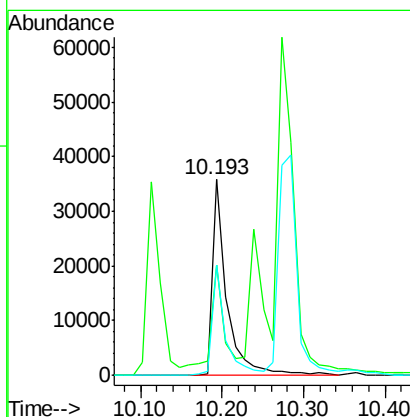
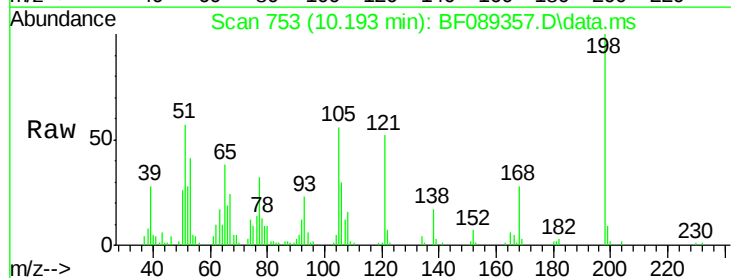
Instrument :
BNA_F
ClientSampleId :
I-4MSD

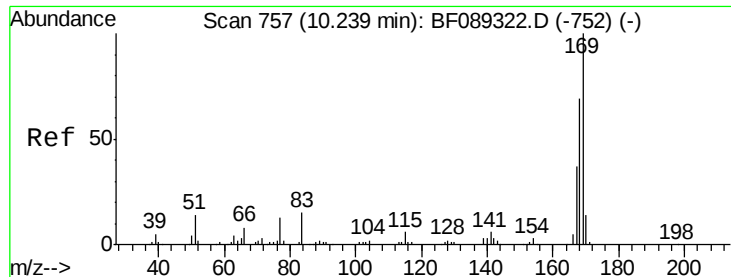
Tot Ion:188 Resp: 173683
Ion Ratio Lower Upper
188 100
94 8.7 6.5 9.7
80 9.7 7.2 10.8



#64
4,6-Dinitro-2-methylphenol
Concen: 42.91 ng
RT: 10.193 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:198 Resp: 44447
Ion Ratio Lower Upper
198 100
51 56.6 23.0 63.0
105 56.4 28.3 68.3





#65

n-Nitrosodiphenylamine

Concen: 37.84 ng

RT: 10.239 min Scan# 757

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

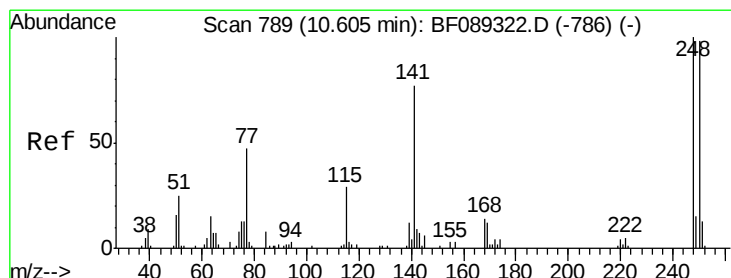
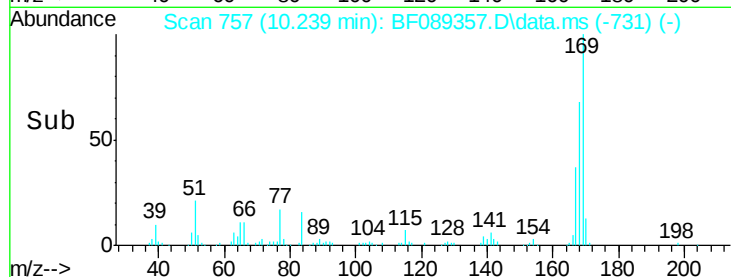
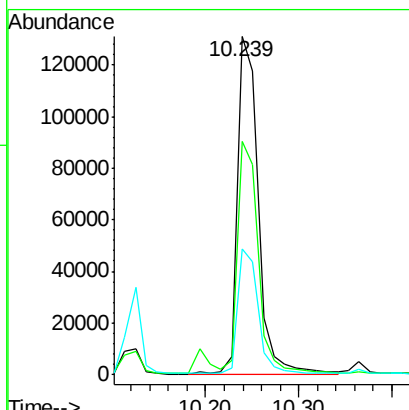
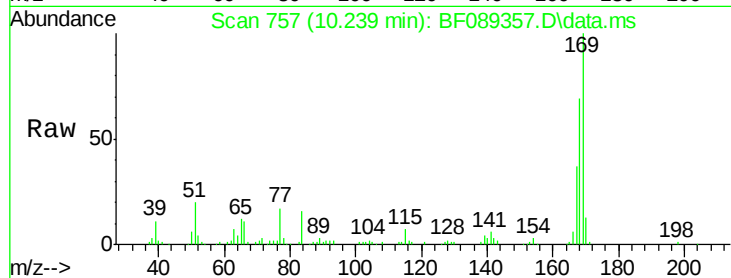
Tot Ion:169 Resp: 205064

Ion Ratio Lower Upper

169 100

168 68.9 55.4 83.0

167 37.2 29.7 44.5



#66

4-Bromophenyl-phenylether

Concen: 46.77 ng

RT: 10.605 min Scan# 789

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

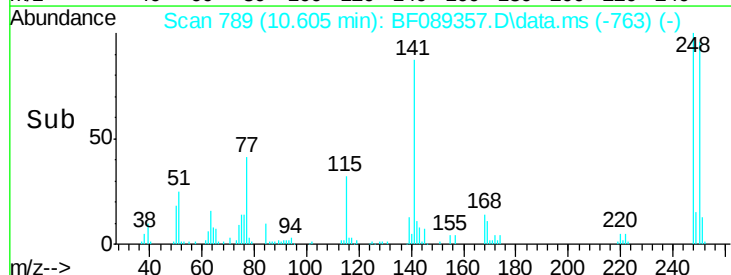
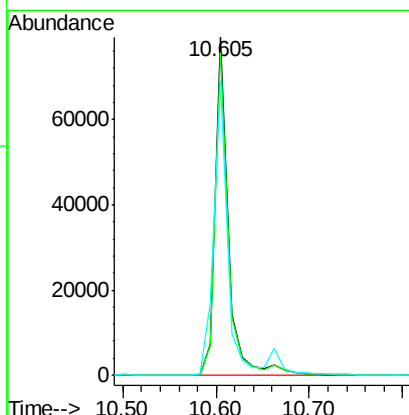
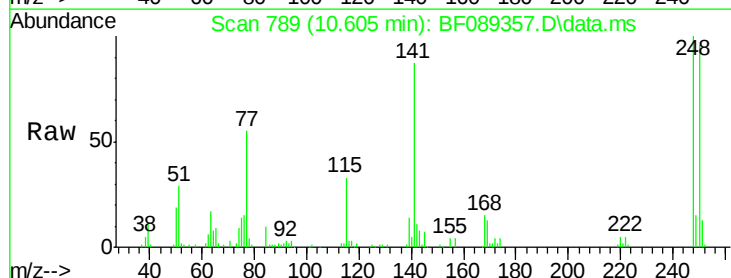
Tgt Ion:248 Resp: 77560

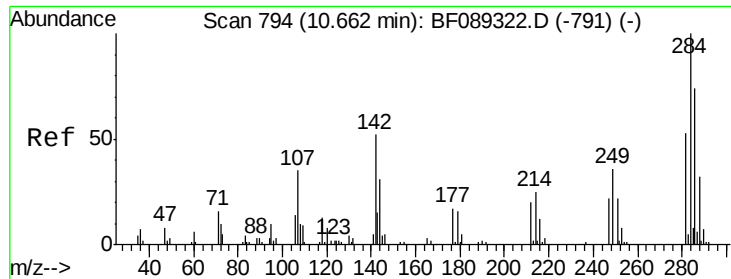
Ion Ratio Lower Upper

248 100

250 95.6 78.2 117.2

141 87.1 62.0 93.0

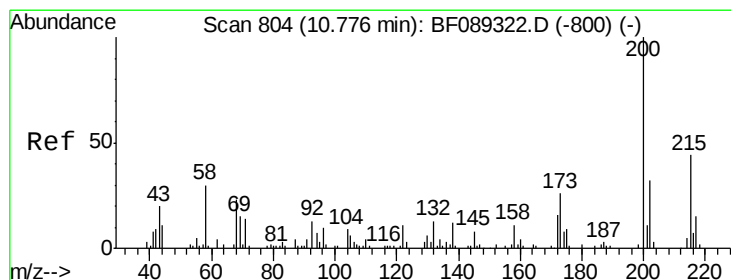
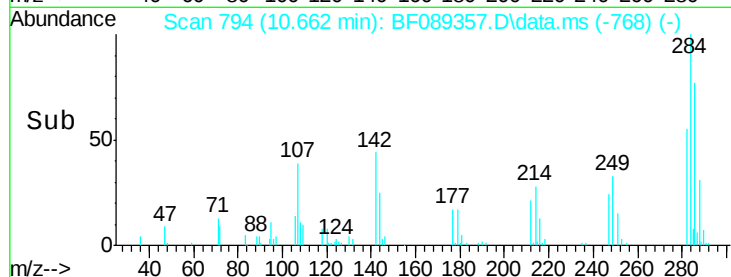
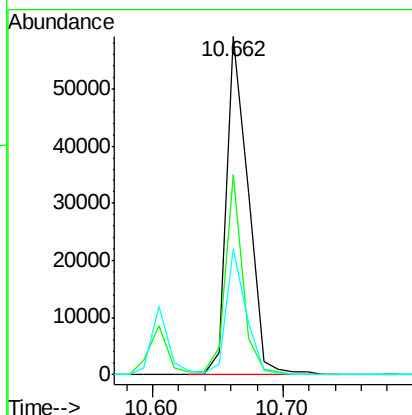
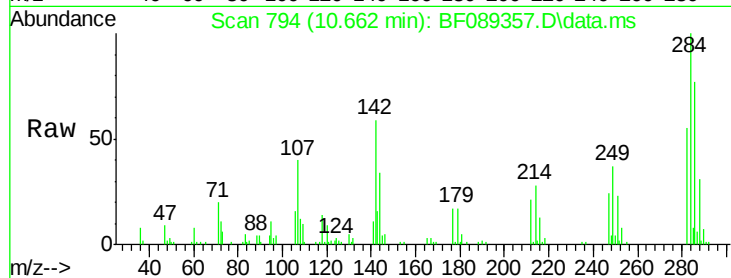




#67
Hexachlorobenzene
Concen: 40.05 ng
RT: 10.662 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

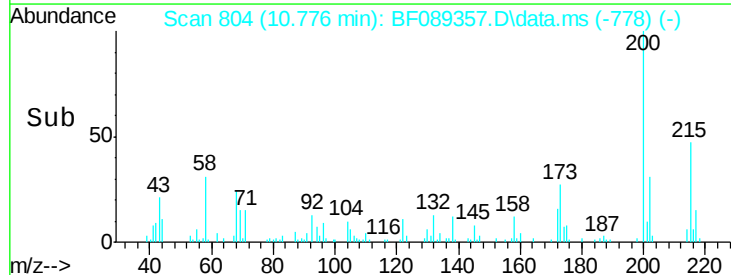
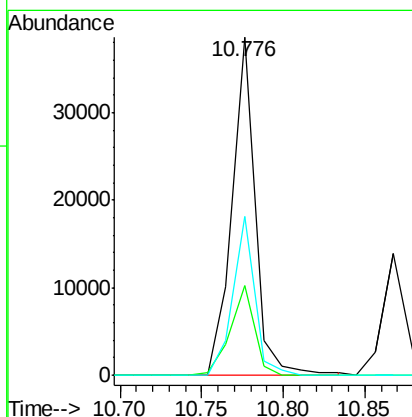
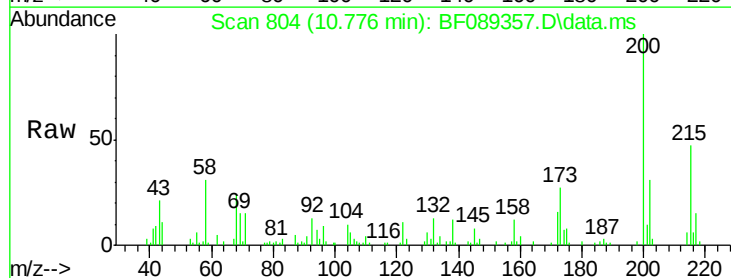
Instrument :
BNA_F
ClientSampleId :
I-4MSD

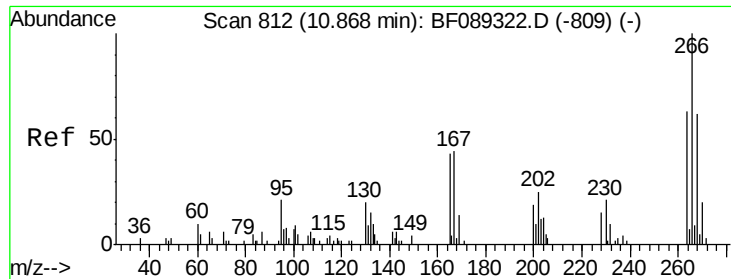
Tot Ion:284 Resp: 68064
Ion Ratio Lower Upper
284 100
142 59.1 42.2 63.4
249 37.1 29.4 44.0



#68
Atrazine
Concen: 22.73 ng
RT: 10.776 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:200 Resp: 37838
Ion Ratio Lower Upper
200 100
173 26.6 6.0 46.0
215 47.1 24.3 64.3





#69

Pentachlorophenol

Concen: 85.07 ng

RT: 10.868 min Scan# 81

Delta R.T. 0.001 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

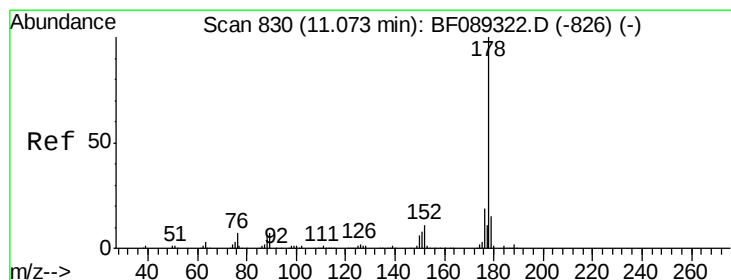
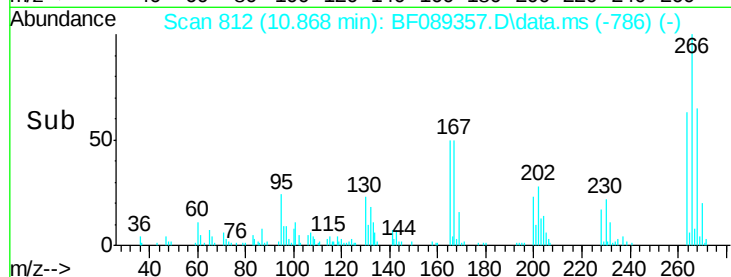
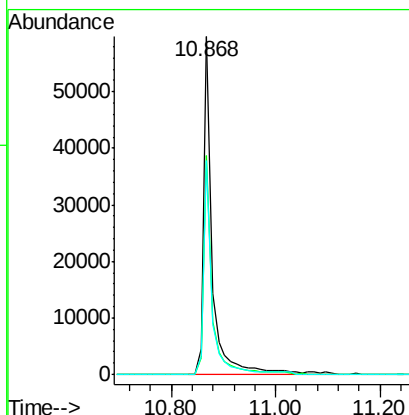
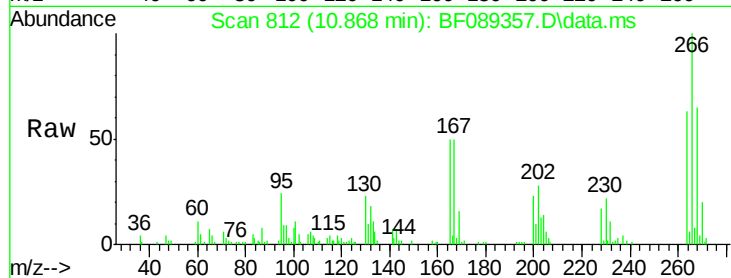
Tot Ion:266 Resp: 70380

Ion Ratio Lower Upper

266 100

268 64.9 49.4 74.2

264 63.4 50.2 75.2



#70

Phenanthrene

Concen: 44.48 ng

RT: 11.074 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

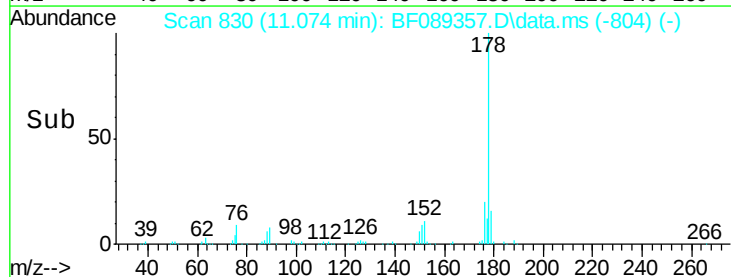
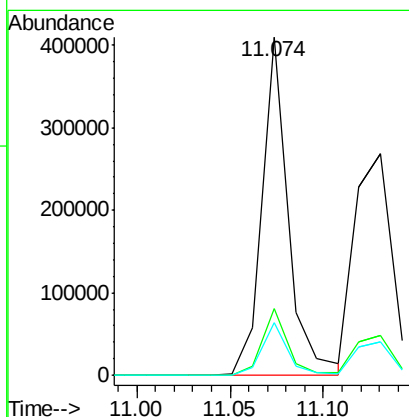
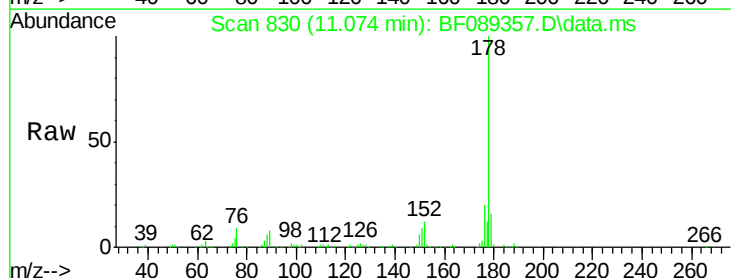
Tgt Ion:178 Resp: 398419

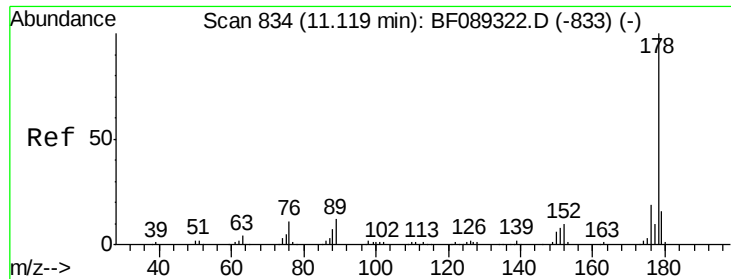
Ion Ratio Lower Upper

178 100

176 19.9 15.5 23.3

179 15.7 12.3 18.5

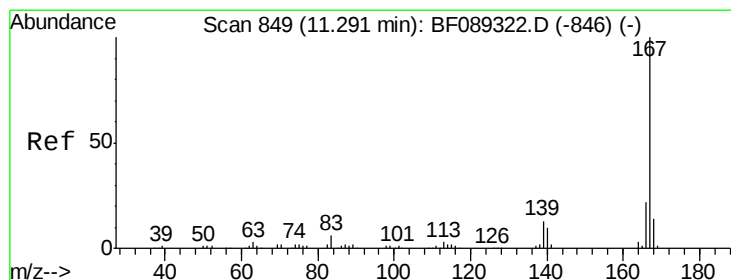
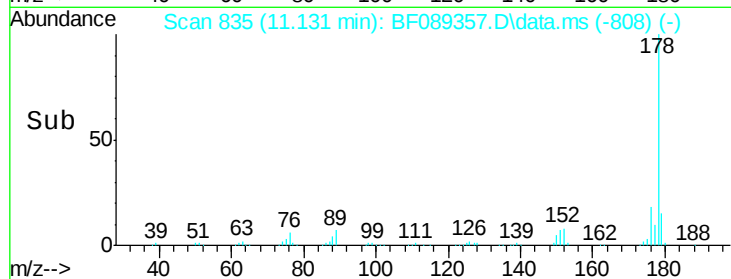
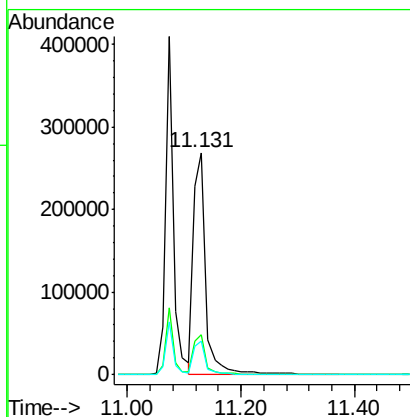
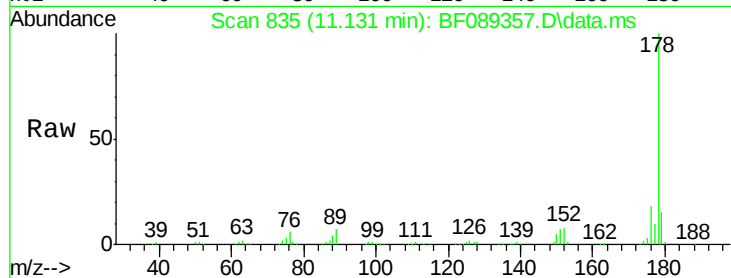




#71
 Anthracene
 Concen: 41.10 ng
 RT: 11.131 min Scan# 83
 Delta R.T. 0.012 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

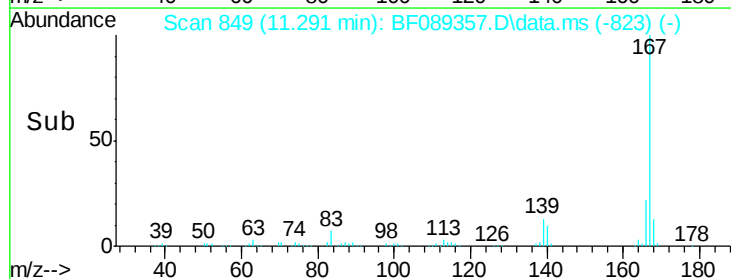
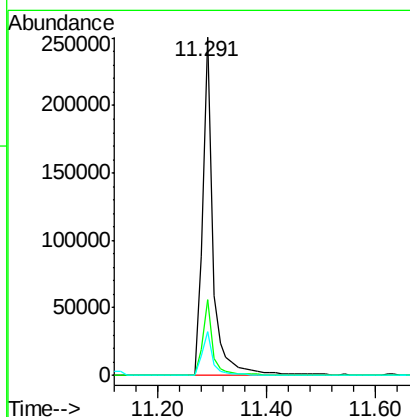
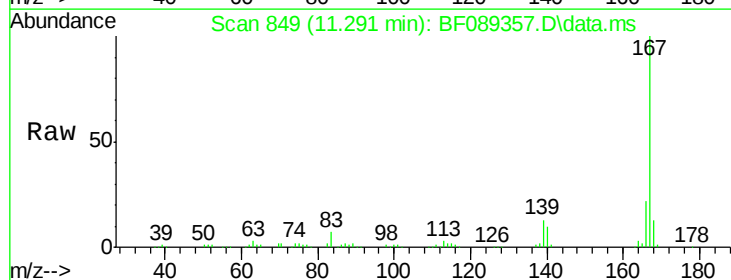
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

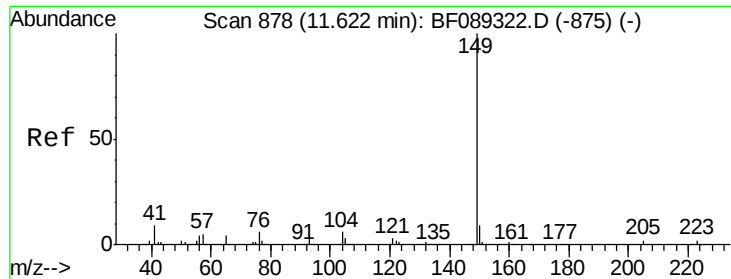
Tot Ion:178 Resp: 409306
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 14.9 12.6 18.8



#72
 Carbazole
 Concen: 38.97 ng
 RT: 11.291 min Scan# 849
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:167 Resp: 326745
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.6 26.4
 139 12.9 10.1 15.1





#73

Di-n-butylphthalate

Concen: 41.38 ng

RT: 11.622 min Scan# 87

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

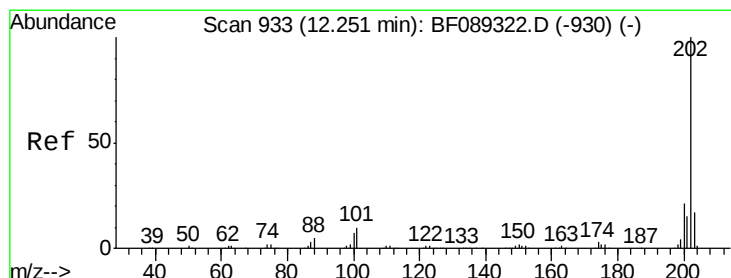
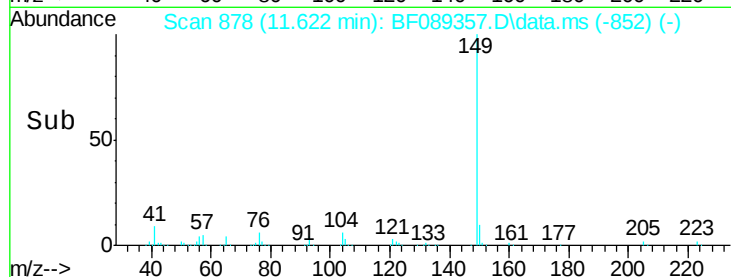
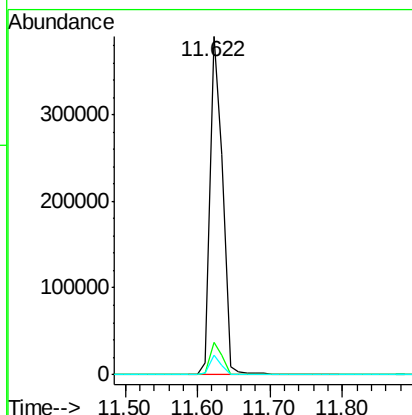
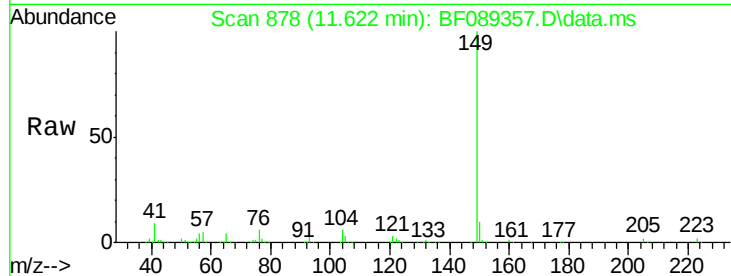
Tot Ion:149 Resp: 465428

Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 5.8 4.7 7.1



#74

Fluoranthene

Concen: 44.45 ng

RT: 12.251 min Scan# 933

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

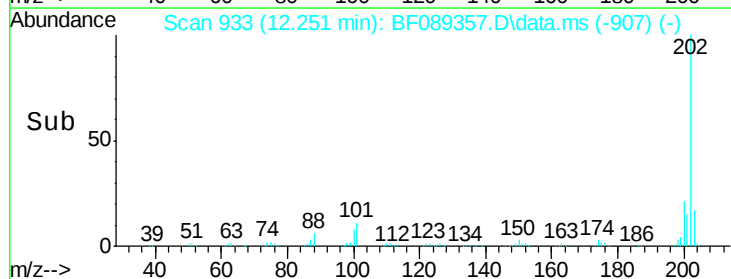
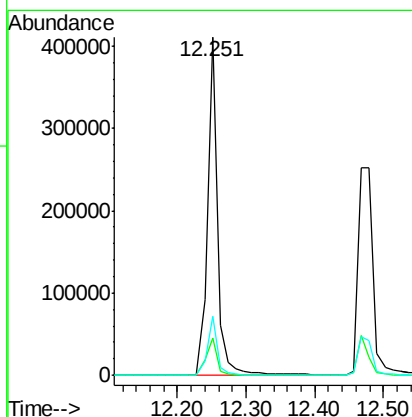
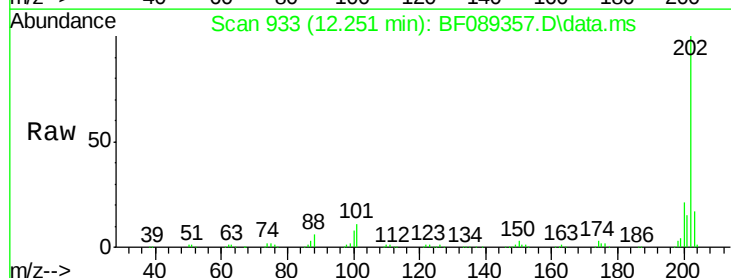
Tgt Ion:202 Resp: 418877

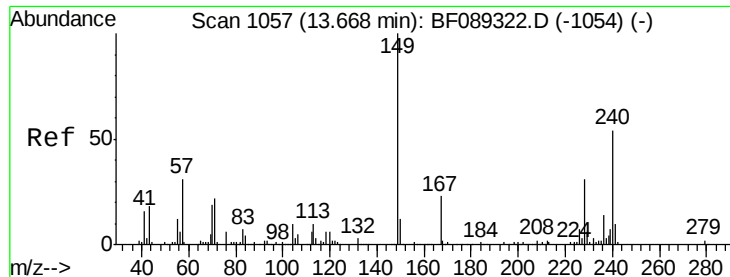
Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.9

203 17.3 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.668 min Scan# 1057

Delta R.T. 0.000 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

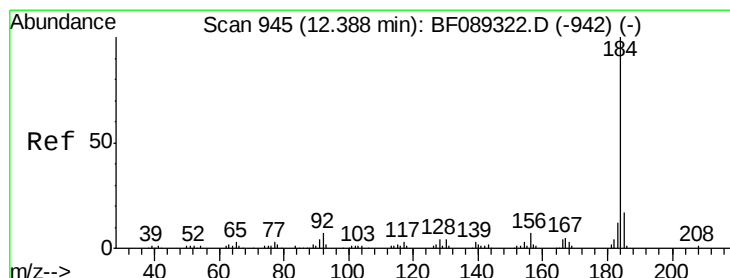
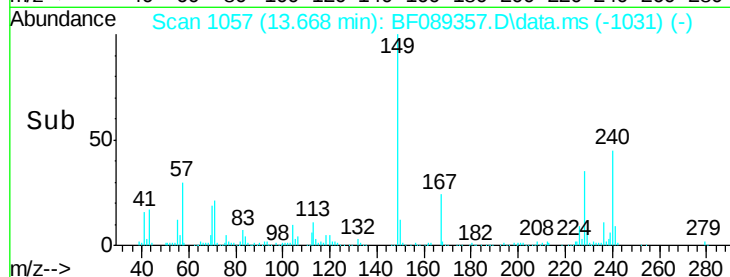
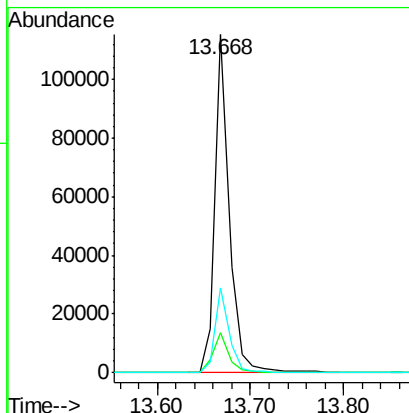
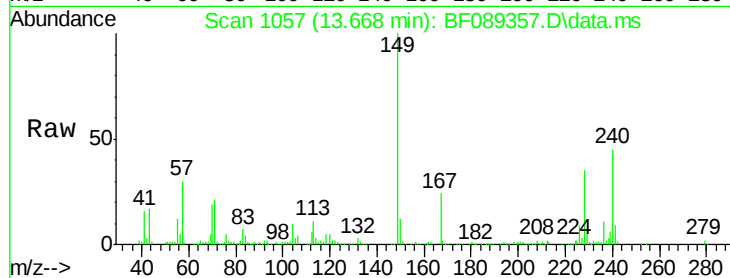
Tot Ion:240 Resp: 122802

Ion Ratio Lower Upper

240 100

120 11.9 9.1 13.7

236 25.2 20.6 30.8



#76

Benzidine

Concen: 5.20 ng

RT: 12.422 min Scan# 948

Delta R.T. 0.035 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

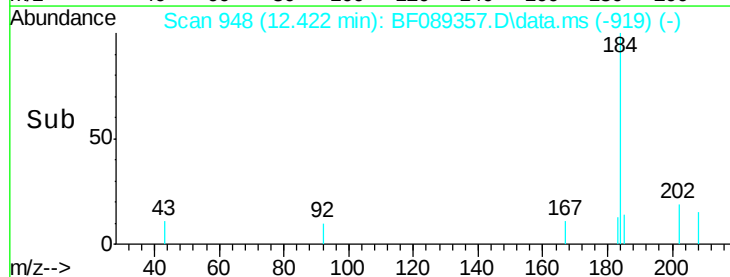
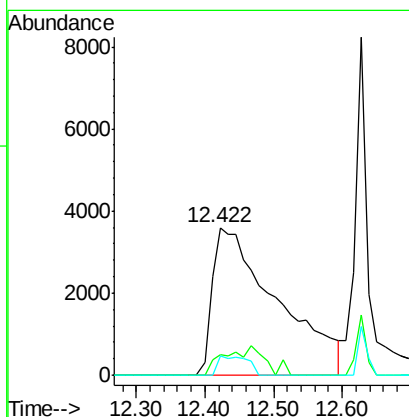
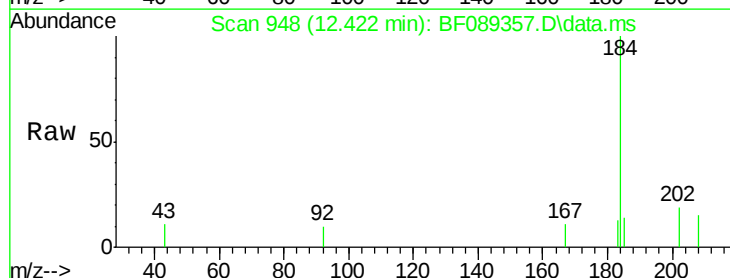
Tgt Ion:184 Resp: 23589

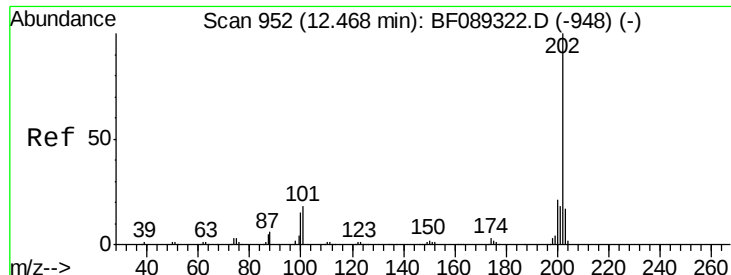
Ion Ratio Lower Upper

184 100

185 14.1 13.5 20.3

183 13.0 9.8 14.6

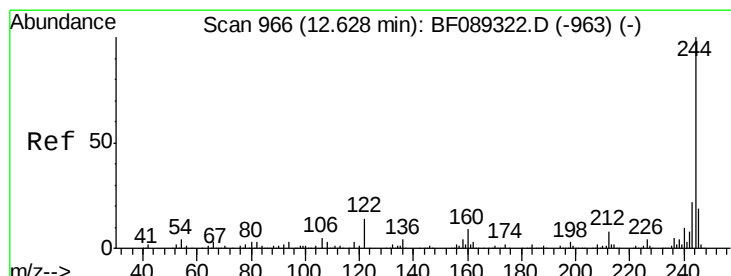
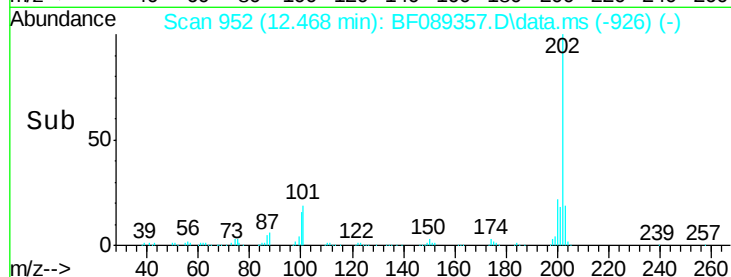
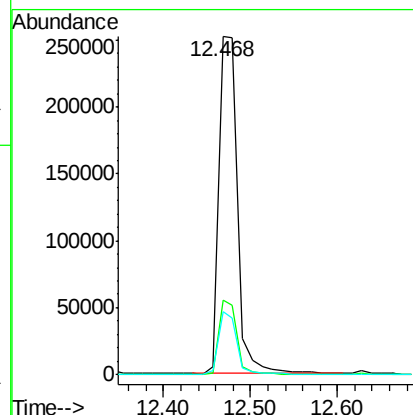
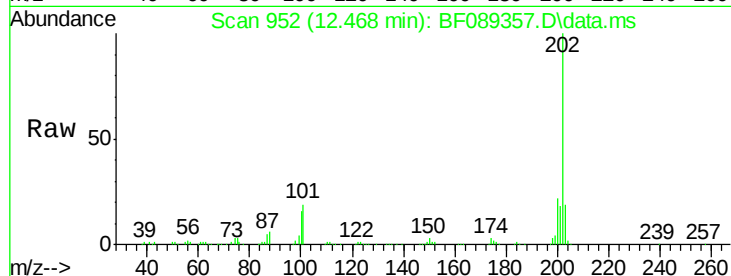




#77
Pvrene
Concen: 41.31 ng
RT: 12.468 min Scan# 95
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

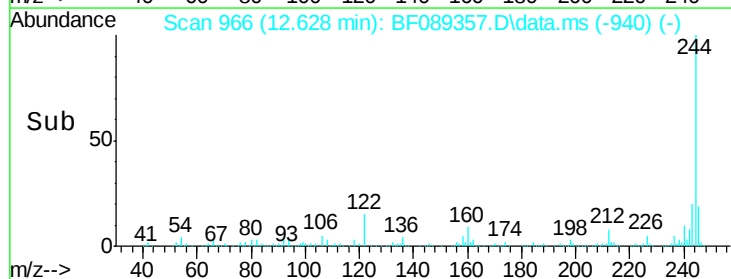
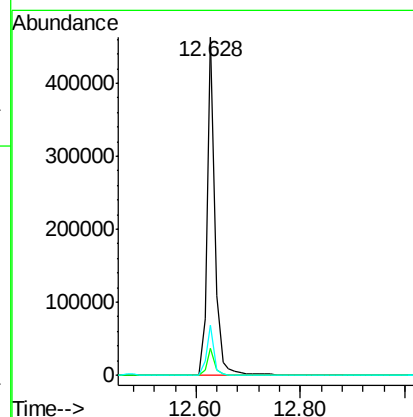
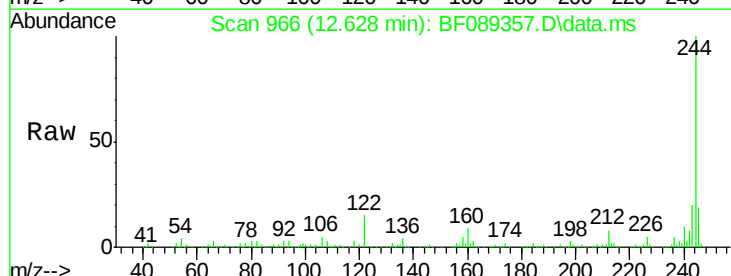
Instrument :
BNA_F
ClientSampleId :
I-4MSD

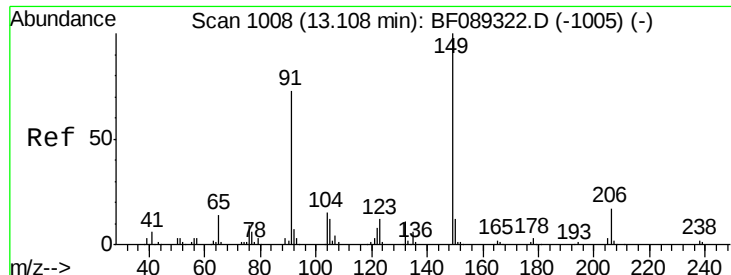
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.5	14.0	21.0



#78
Terphenyl-d14
Concen: 91.20 ng
RT: 12.628 min Scan# 966
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.5	9.7
122	14.8	11.4	17.0

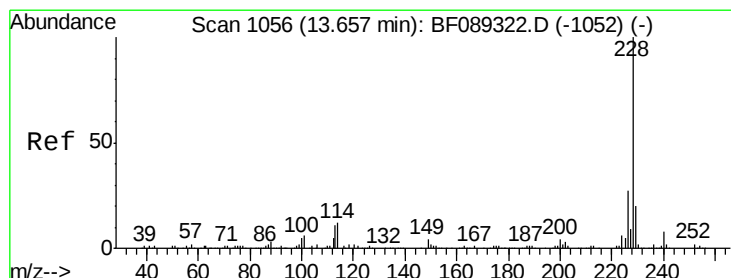
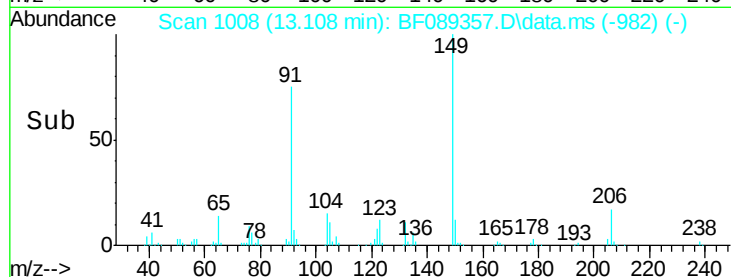
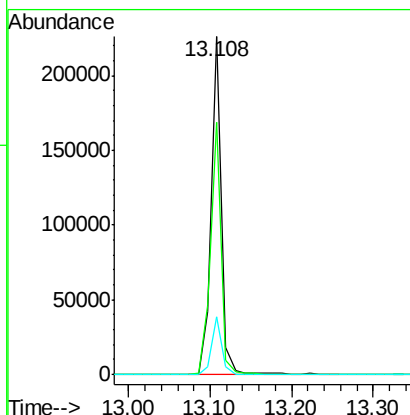
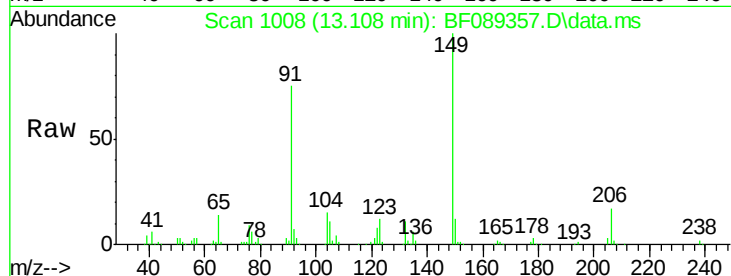




#79
 Butylbenzylphthalate
 Concen: 47.80 ng
 RT: 13.108 min Scan# 1008
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

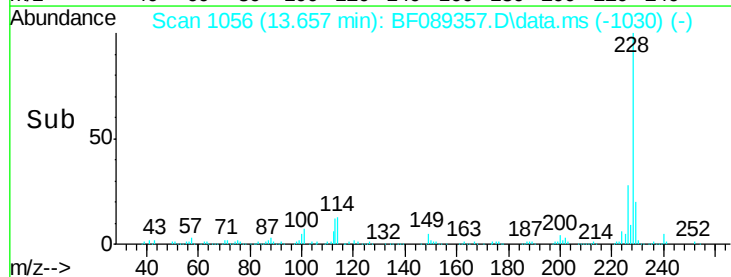
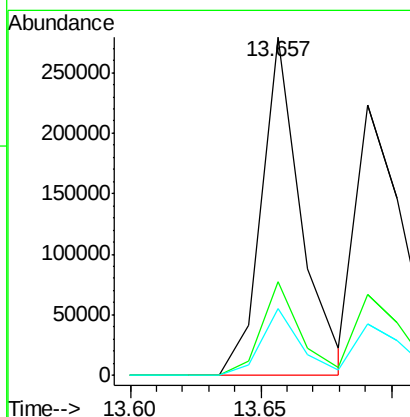
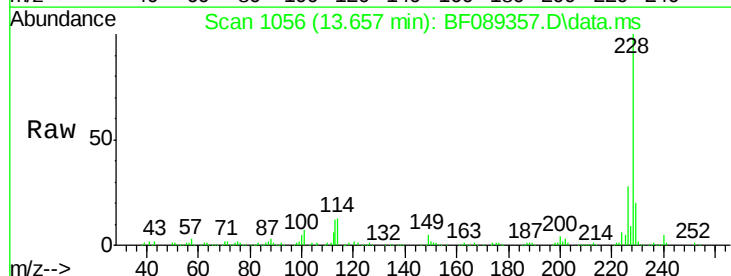
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

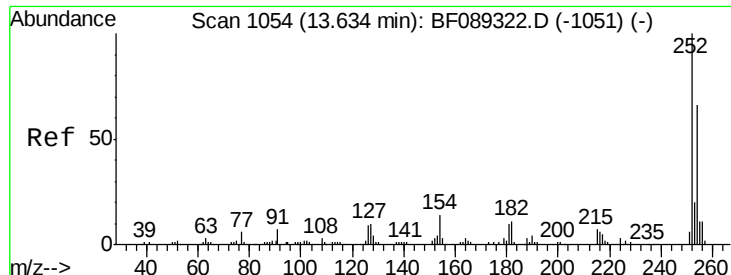
Tot Ion:	149	Resp:	202271
Ion Ratio	Lower	Upper	
149	100		
91	74.7	58.5	87.7
206	17.2	13.8	20.8



#80
 Benzo(a)anthracene
 Concen: 42.59 ng
 RT: 13.657 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:	228	Resp:	295163
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.4	32.2
229	19.8	15.9	23.9

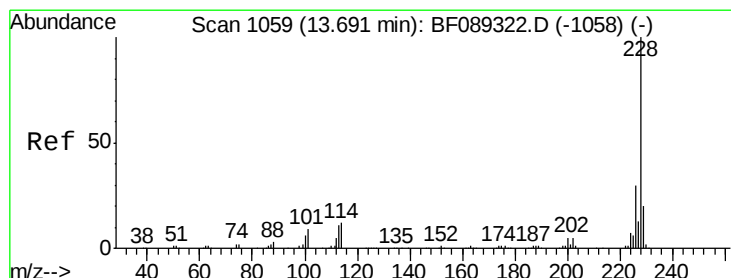
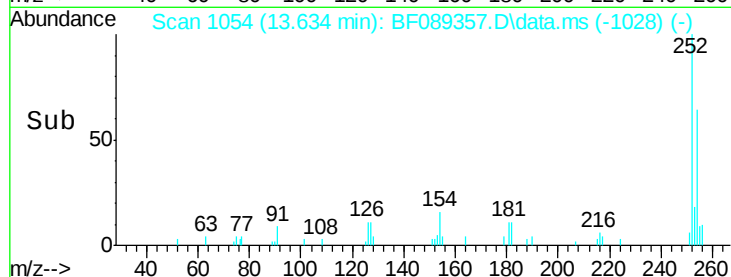
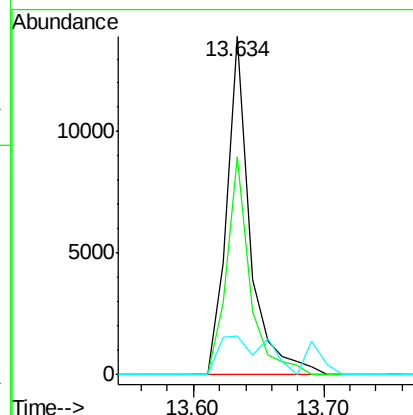
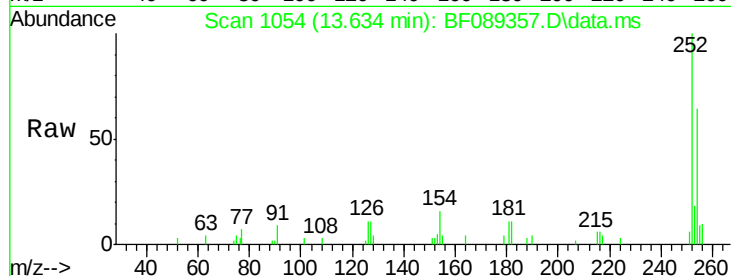




#81
 3,3'-Dichlorobenzidine
 Concen: 6.99 ng
 RT: 13.634 min Scan# 1054
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

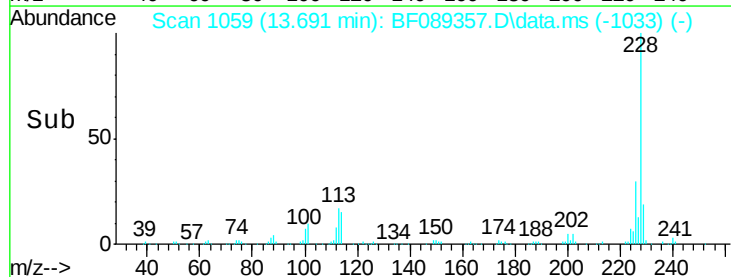
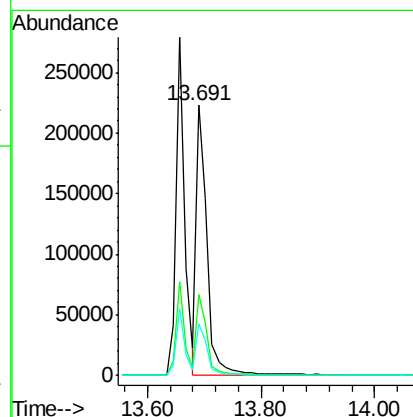
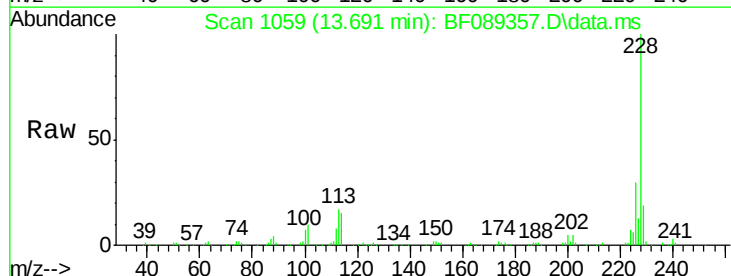
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

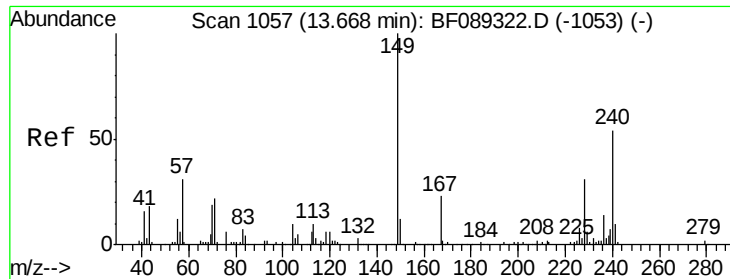
Tot Ion:252 Resp: 17442
 Ion Ratio Lower Upper
 252 100
 254 64.2 52.5 78.7
 126 11.2 7.4 11.2#



#82
 Chrysene
 Concen: 40.02 ng
 RT: 13.691 min Scan# 1059
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:228 Resp: 295181
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.2 36.2
 229 19.2 15.9 23.9

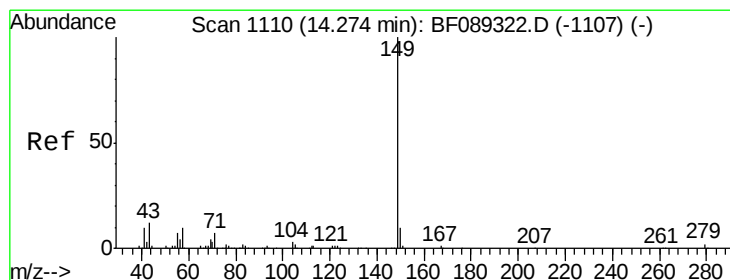
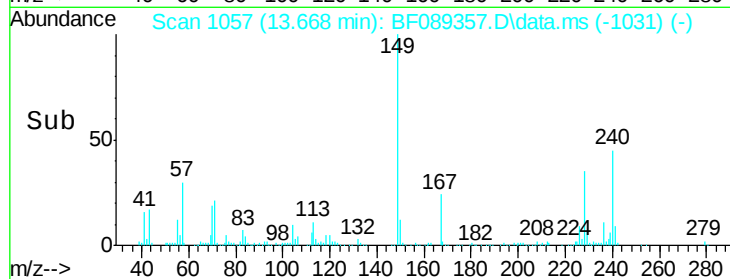
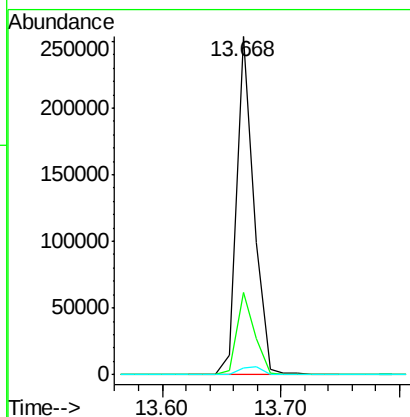
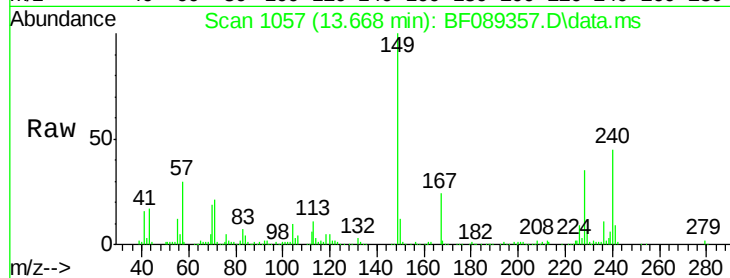




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.93 ng
 RT: 13.668 min Scan# 1057
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

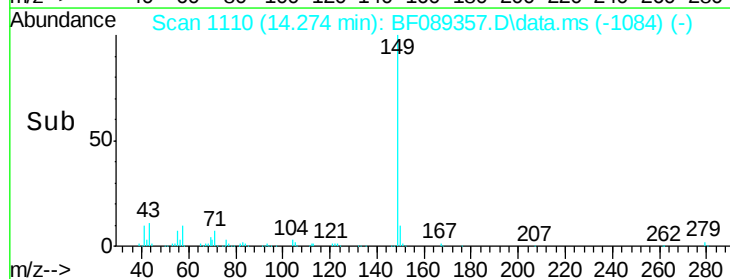
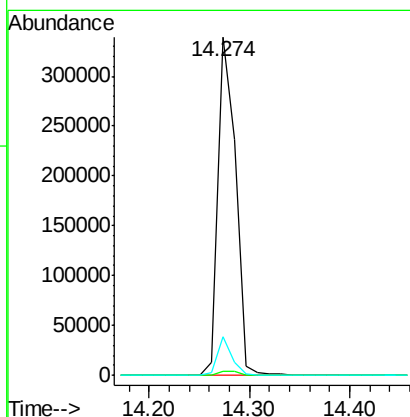
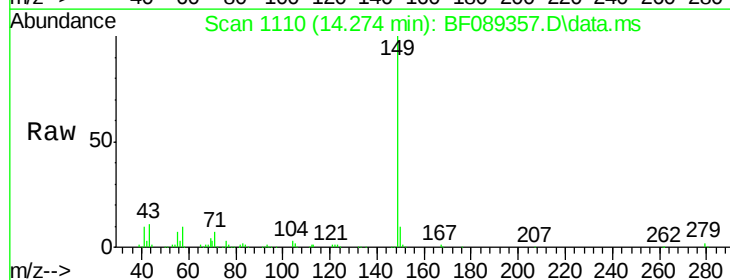
Instrument :
 BNA_F
 ClientSampleId :

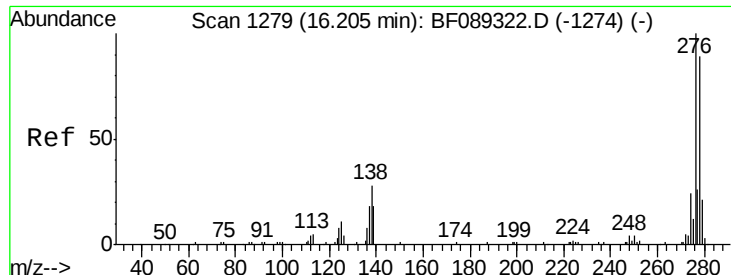
Tot Ion:149 Resp: 256449
 Ion Ratio Lower Upper
 149 100
 167 24.1 18.8 28.2
 279 2.0 1.4 2.0



#84
 Di-n-octyl phthalate
 Concen: 43.42 ng
 RT: 14.274 min Scan# 1110
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:149 Resp: 414438
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.1 1.7
 43 9.4 7.3 10.9

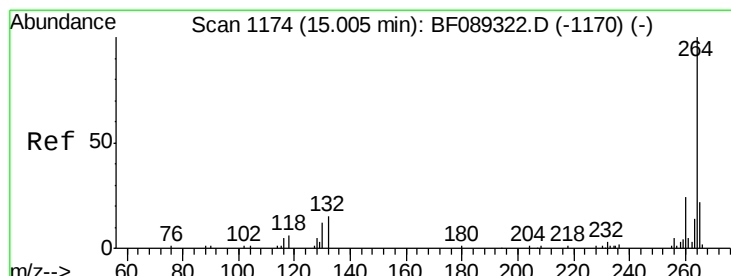
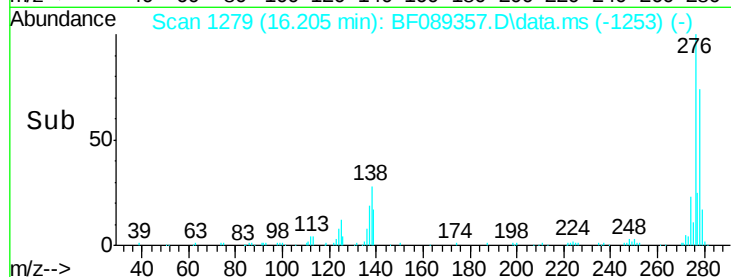
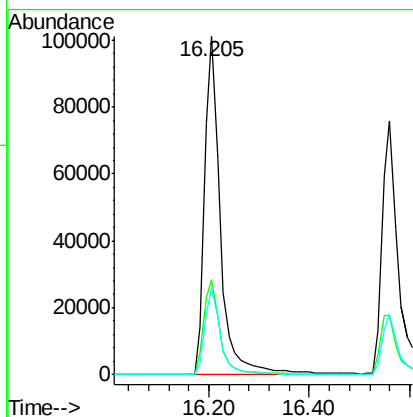
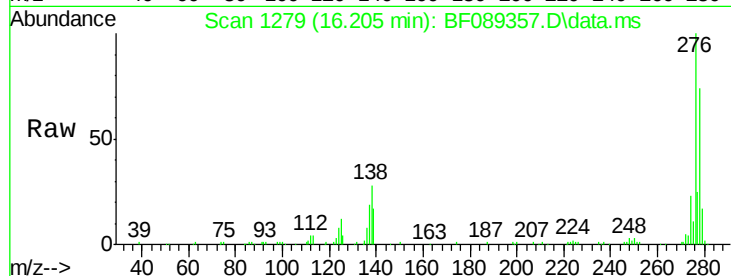




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 42.17 ng
 RT: 16.205 min Scan# 1279
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

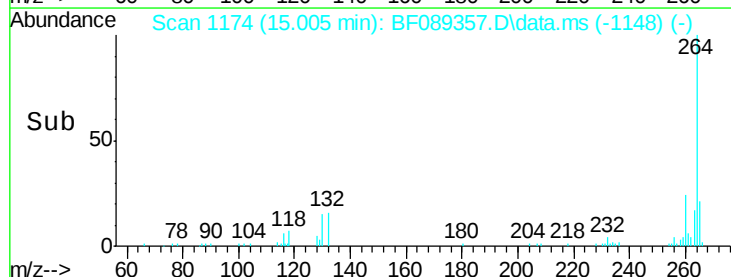
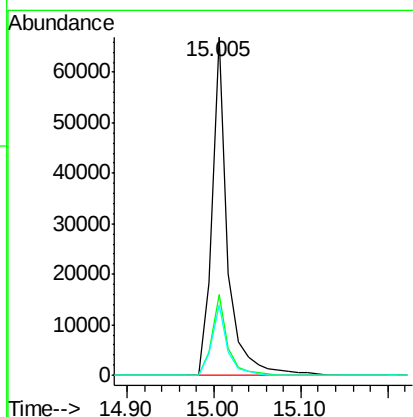
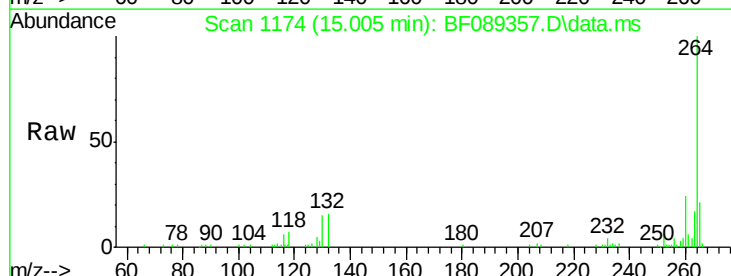
Instrument :
 BNA_F
 ClientSampleId :
 I-4MSD

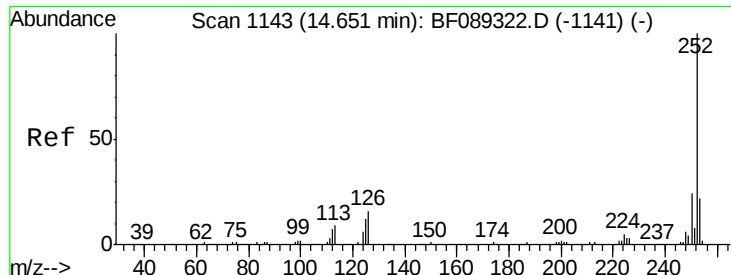
Tot Ion:276 Resp: 221183
 Ion Ratio Lower Upper
 276 100
 138 28.8 23.0 34.4
 277 25.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.005 min Scan# 1174
 Delta R.T. 0.000 min
 Lab File: BF089357.D
 Acq: 28 Jul 2016 10:20

Tgt Ion:264 Resp: 83612
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 20.8 17.5 26.3

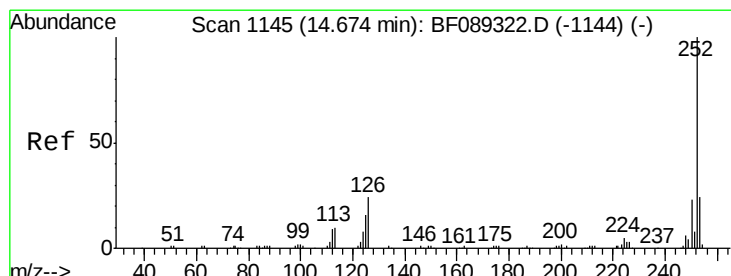
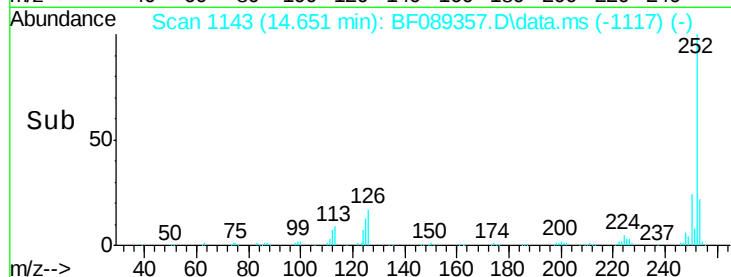
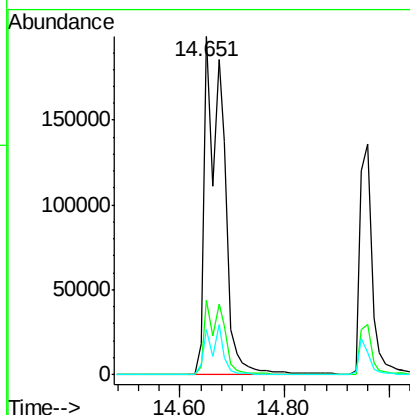
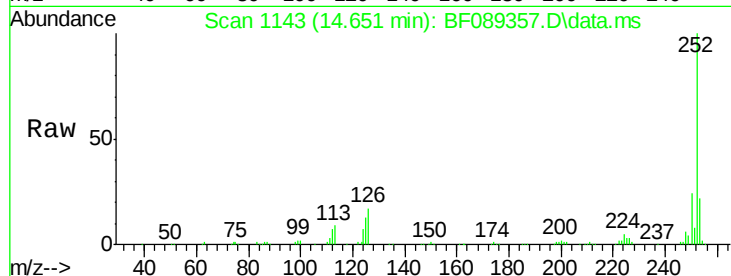




#87
Benzo(b)fluoranthene
Concen: 95.18 ng
RT: 14.651 min Scan# 1143
Delta R.T. 0.000 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

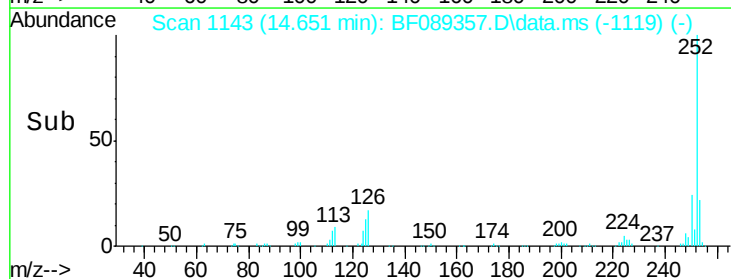
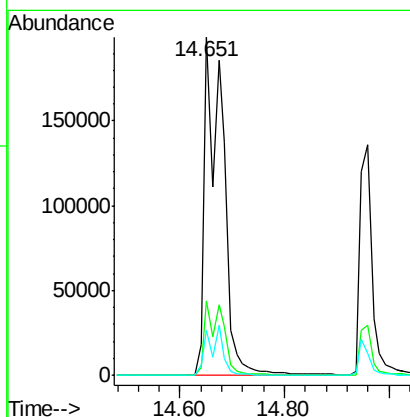
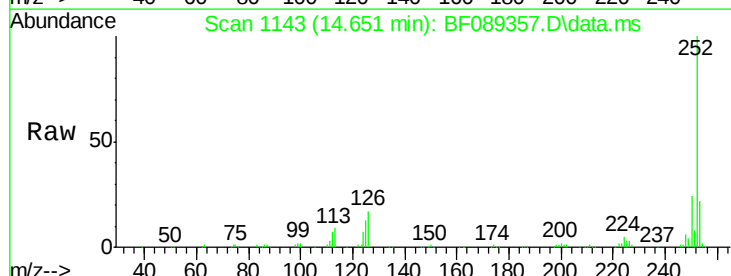
Instrument :
BNA_F
ClientSampleId :
I-4MSD

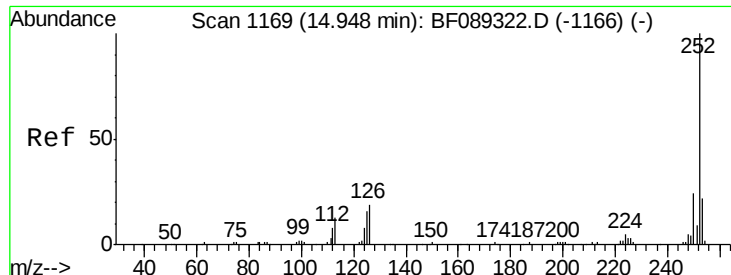
Tot Ion:252 Resp: 494197
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 13.4 9.7 14.5



#88
Benzo(k)fluoranthene
Concen: 103.52 ng
RT: 14.651 min Scan# 1143
Delta R.T. -0.023 min
Lab File: BF089357.D
Acq: 28 Jul 2016 10:20

Tgt Ion:252 Resp: 494197
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 13.4 10.7 16.1





#89

Benzo(a)pyrene

Concen: 47.65 ng

RT: 14.960 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

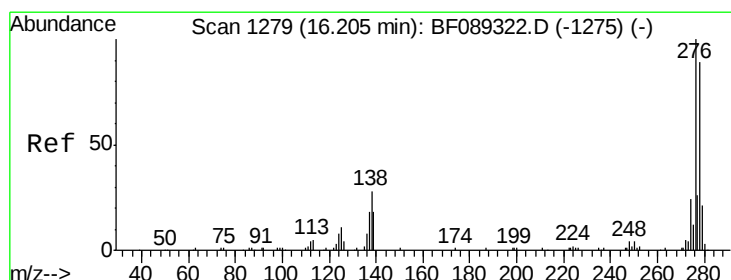
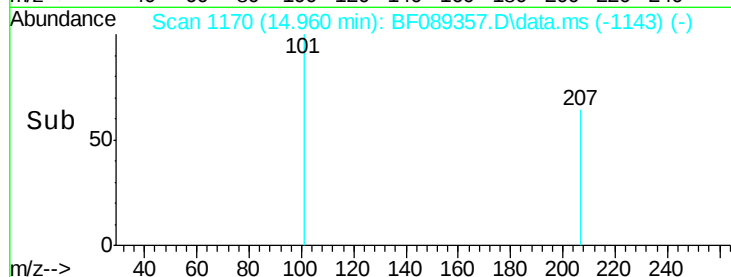
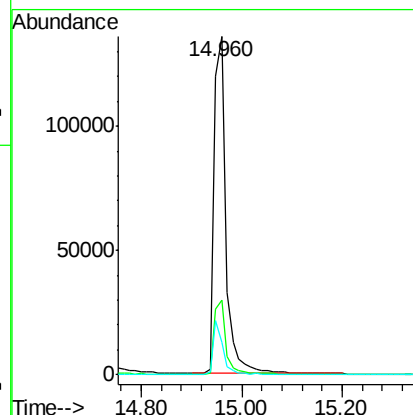
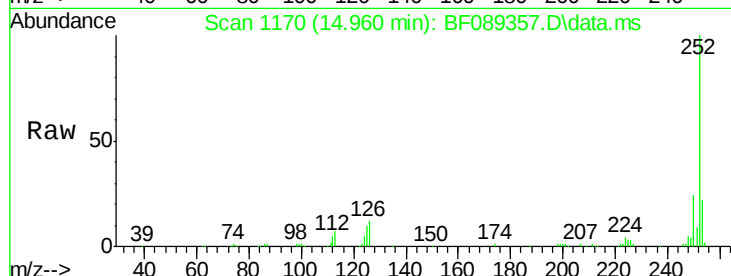
Tot Ion:252 Resp: 221971

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 9.5 12.4 18.6#



#90

Dibenzo(a,h)anthracene

Concen: 50.11 ng

RT: 16.217 min Scan# 1280

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

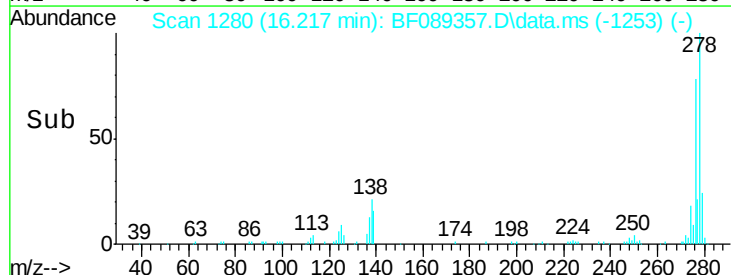
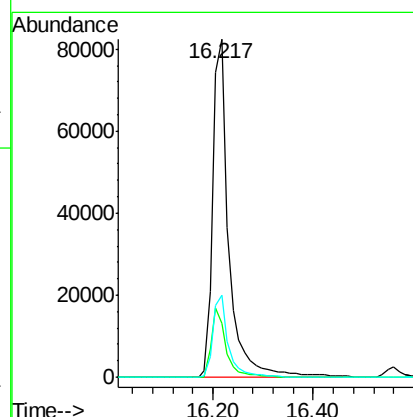
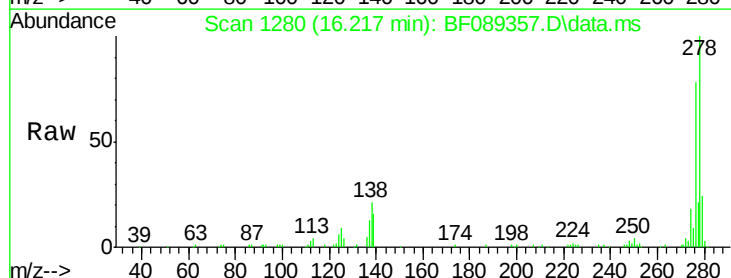
Tgt Ion:278 Resp: 183857

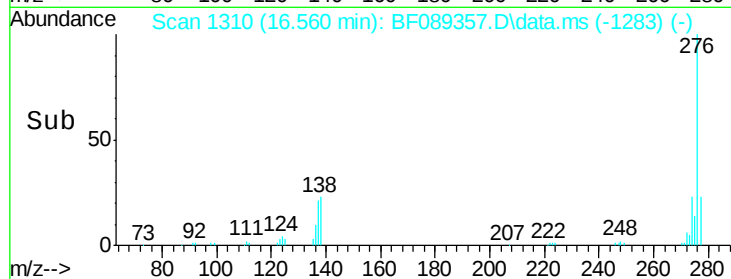
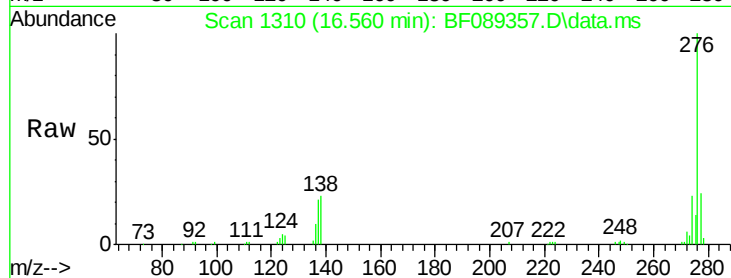
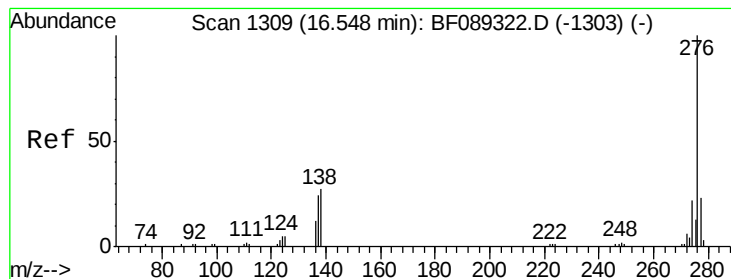
Ion Ratio Lower Upper

278 100

139 15.8 16.3 24.5#

279 24.2 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 50.10 ng

RT: 16.560 min Scan# 13

Delta R.T. 0.012 min

Lab File: BF089357.D

Acq: 28 Jul 2016 10:20

Instrument :

BNA_F

ClientSampleId :

I-4MSD

Tot Ion:276 Resp: 180689

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 23.4 21.4 32.0

