

Data Path : Z:\HPCHEM1\BNA F\Data\BF101416\
 Data File : BF090558.D
 Acq On : 14 Oct 2016 9:13
 Operator : UM/SJ
 Sample : PB94017BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

Quant Time: Oct 14 13:11:41 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 14 02:03:28 2016
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.920	152	266430	20.00	ng	0.00
21) Naphthalene-d8	8.212	136	1170154	20.00	ng	0.00
38) Acenaphthene-d10	9.961	164	610227	20.00	ng	-0.01
63) Phenanthrene-d10	11.458	188	1020057	20.00	ng	0.00
75) Chrysene-d12	14.098	240	882468	20.00	ng	0.00
86) Perylene-d12	15.561	264	524081	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	1660004	114.22	ng	0.01
7) Phenol-d6	6.566	99	2396529	110.98	ng	0.01
23) Nitrobenzene-d5	7.480	82	1632722	77.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.761	330	642018	118.01	ng	0.00
44) 2-Fluorobiphenyl	9.286	172	2617124	70.67	ng	0.00
78) Terphenyl-d14	13.047	244	2704285	71.35	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.691	88	223085	26.93	ng	96
3) Pyridine	3.434	79	360802	19.43	ng	92
4) n-Nitrosodimethylamine	3.388	42	180730	30.30	ng	# 86
6) Aniline	6.589	93	409570	15.69	ng	# 79
8) 2-Chlorophenol	6.703	128	680272	36.10	ng	100
9) Benzaldehyde	6.463	77	110197	9.05	ng	88
10) Phenol	6.577	94	847734	34.32	ng	89
11) bis(2-Chloroethyl)ether	6.657	93	739359	36.28	ng	98
12) 1,3-Dichlorobenzene	6.863	146	647207	34.44	ng	98
13) 1,4-Dichlorobenzene	6.932	146	702955	34.39	ng	94
14) 1,2-Dichlorobenzene	7.092	146	696462	36.45	ng	98
15) Benzyl Alcohol	7.069	79	566008	38.48	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.195	45	1025895	35.77	ng	99
17) 2-Methylphenol	7.183	107	557277	37.95	ng	98
18) Hexachloroethane	7.435	117	287468	35.59	ng	92
19) n-Nitroso-di-n-propyla...	7.332	70	552762	37.33	ng	96
20) 3+4-Methylphenols	7.332	107	680587	38.23	ng	95
22) Acetophenone	7.332	105	968149	37.45	ng	95
24) Nitrobenzene	7.503	77	773575	35.78	ng	94
25) Isophorone	7.743	82	1466962	38.26	ng	98
26) 2-Nitrophenol	7.823	139	365653	37.28	ng	92
27) 2,4-Dimethylphenol	7.869	122	622127	38.23	ng	98
28) bis(2-Chloroethoxy)met...	7.960	93	907742	40.10	ng	99
29) 2,4-Dichlorophenol	8.063	162	523656	36.73	ng	90
30) 1,2,4-Trichlorobenzene	8.143	180	556391	33.32	ng	96
31) Naphthalene	8.223	128	1967714	33.01	ng	99
32) Benzoic acid	7.995	122	251700	25.18	ng	96
33) 4-Chloroaniline	8.292	127	219794	9.65	ng	95
34) Hexachlorobutadiene	8.349	225	334700	35.88	ng	98
35) Caprolactam	8.658	113	95881	24.10	ng	93
36) 4-Chloro-3-methylphenol	8.772	107	635025	38.61	ng	# 83
37) 2-Methylnaphthalene	8.920	142	1278931	36.53	ng	98
39) 1,2,4,5-Tetrachloroben...	9.092	216	580479	35.88	ng	99

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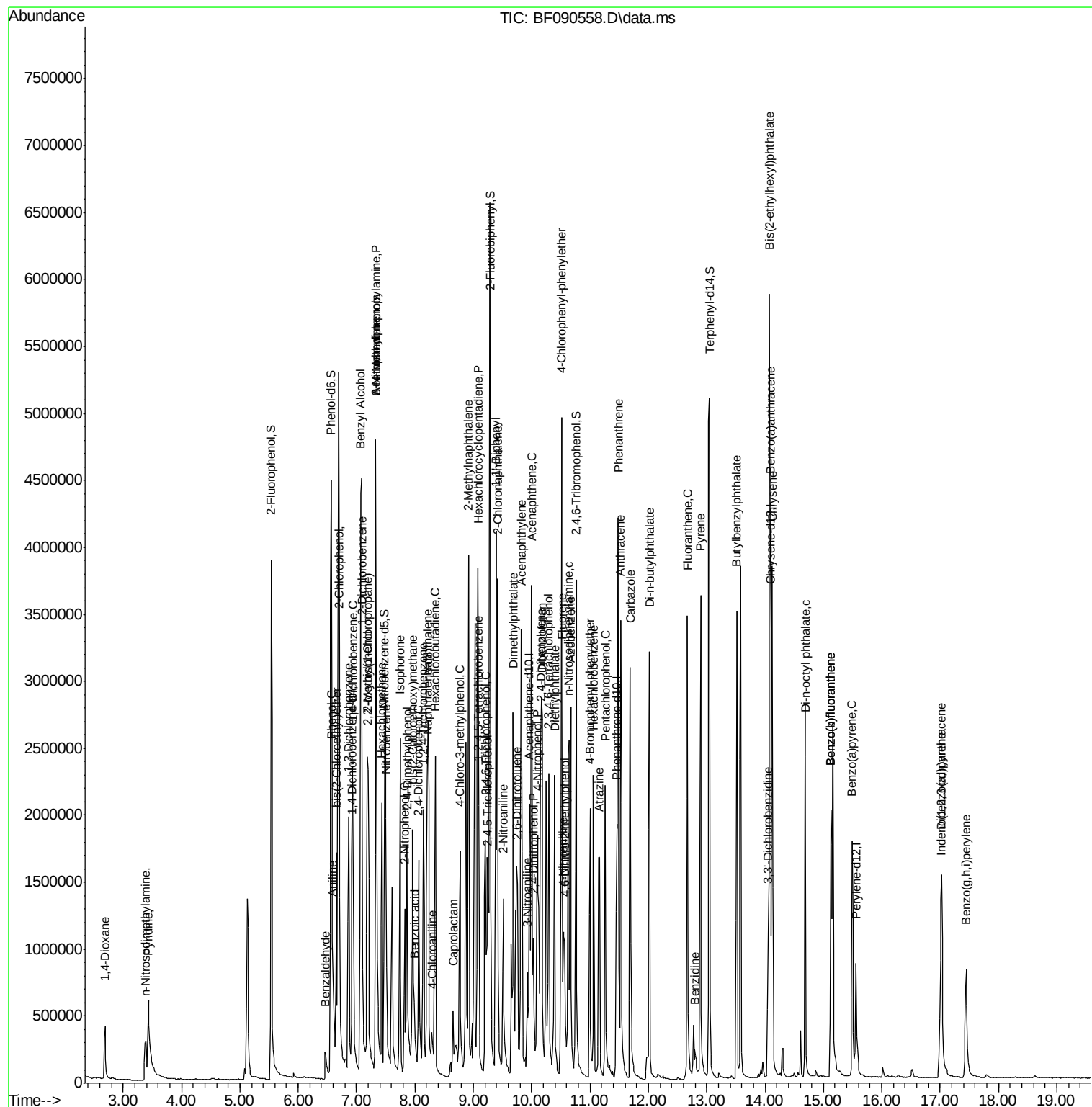
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Hexachlorocyclopentadiene	9.080	237	648984	82.11	ng	98
42) 2,4,6-Trichlorophenol	9.206	196	377775	41.39	ng	100
43) 2,4,5-Trichlorophenol	9.252	196	383261	35.20	ng	# 85
45) 1,1'-Biphenyl	9.389	154	1641976	35.36	ng	99
46) 2-Chloronaphthalene	9.412	162	1284600	37.10	ng	98
47) 2-Nitroaniline	9.515	65	453479	36.13	ng	94
48) Acenaphthylene	9.823	152	1843066	33.43	ng	100
49) Dimethylphthalate	9.686	163	1350455	34.11	ng	99
50) 2,6-Dinitrotoluene	9.755	165	308990	35.67	ng	97
51) Acenaphthene	9.995	154	1264859	34.52	ng	99
52) 3-Nitroaniline	9.926	138	224660	20.67	ng	97
53) 2,4-Dinitrophenol	10.029	184	220756	49.28	ng	# 79
54) Dibenzofuran	10.178	168	1709378	35.46	ng	100
55) 4-Nitrophenol	10.098	139	522859	79.92	ng	# 82
56) 2,4-Dinitrotoluene	10.155	165	449532	38.20	ng	94
57) Fluorene	10.521	166	1329079	33.42	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.292	232	348124	38.39	ng	99
59) Diethylphthalate	10.395	149	1461125	36.39	ng	# 92
60) 4-Chlorophenyl-phenyle...	10.509	204	676549	36.09	ng	96
61) 4-Nitroaniline	10.543	138	308169	28.27	ng	95
62) Azobenzene	10.669	77	1538777	33.13	ng	95
64) 4,6-Dinitro-2-methylph...	10.566	198	170930	27.69	ng	92
65) n-Nitrosodiphenylamine	10.635	169	1149306	34.11	ng	100
66) 4-Bromophenyl-phenylether	11.001	248	413843	37.81	ng	98
67) Hexachlorobenzene	11.058	284	407891	34.32	ng	94
68) Atrazine	11.161	200	358892	38.51	ng	92
69) Pentachlorophenol	11.264	266	471729	80.09	ng	98
70) Phenanthrene	11.481	178	2023244	37.16	ng	99
71) Anthracene	11.526	178	1905753	32.52	ng	100
72) Carbazole	11.686	167	1723755	32.86	ng	100
73) Di-n-butylphthalate	12.018	149	2205656	35.89	ng	100
74) Fluoranthene	12.669	202	1993898	36.41	ng	99
76) Benzidine	12.795	184	132216	6.02	ng	99
77) Pyrene	12.898	202	1960263	33.54	ng	100
79) Butylbenzylphthalate	13.515	149	955339	36.89	ng	97
80) Benzo(a)anthracene	14.087	228	1748713	34.81	ng	100
81) 3,3'-Dichlorobenzidine	14.052	252	325513	18.97	ng	98
82) Chrysene	14.121	228	1455536	30.07	ng	98
83) Bis(2-ethylhexyl)phtha...	14.075	149	1300977	37.24	ng	98
84) Di-n-octyl phthalate	14.692	149	2036768	43.48	ng	99
85) Indeno(1,2,3-cd)pyrene	17.013	276	996513	35.61	ng	99
87) Benzo(b)fluoranthene	15.127	252	1384233	40.36	ng	99
88) Benzo(k)fluoranthene	15.127	252	1384233	37.51	ng	98
89) Benzo(a)pyrene	15.493	252	1108544	35.31	ng	99
90) Dibenzo(a,h)anthracene	17.024	278	850424	35.52	ng	99
91) Benzo(g,h,i)perylene	17.447	276	802173	35.14	ng	100

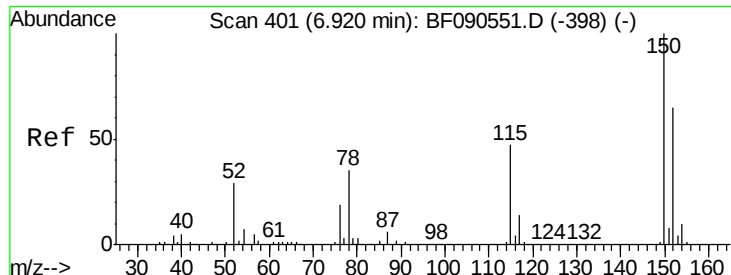
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.920 min Scan# 40

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

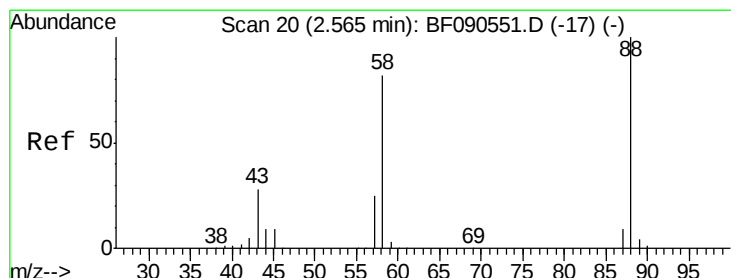
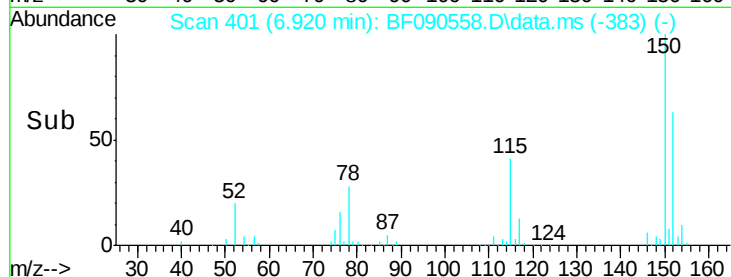
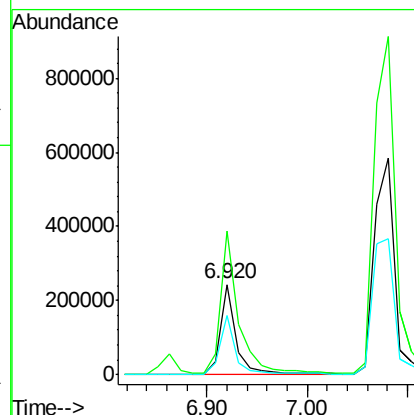
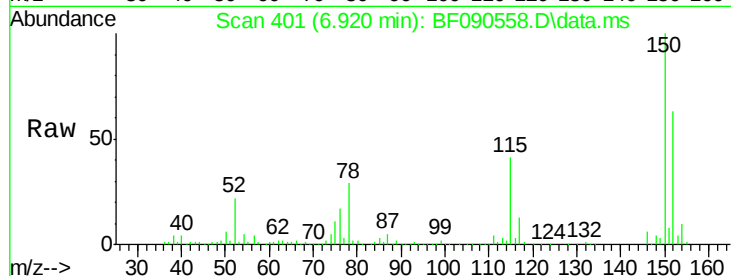
Tot Ion:152 Resp: 266430

Ion Ratio Lower Upper

152 100

150 158.9 127.2 190.8

115 64.8 58.6 88.0



#2

1,4-Dioxane

Concen: 26.93 ng

RT: 2.691 min Scan# 31

Delta R.T. 0.126 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

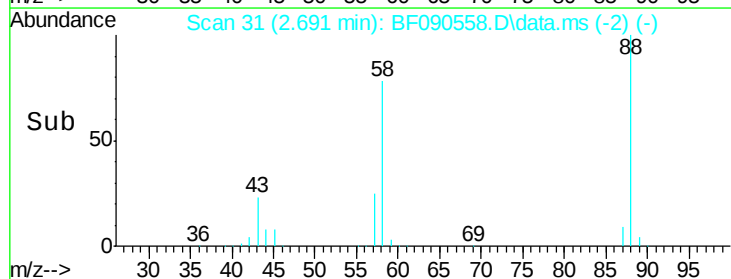
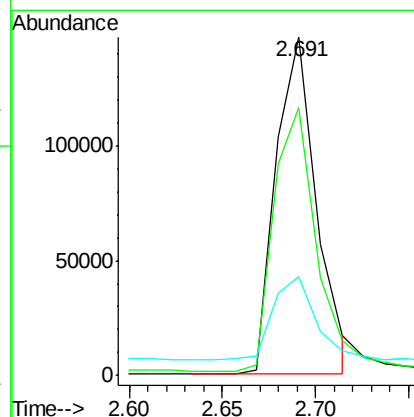
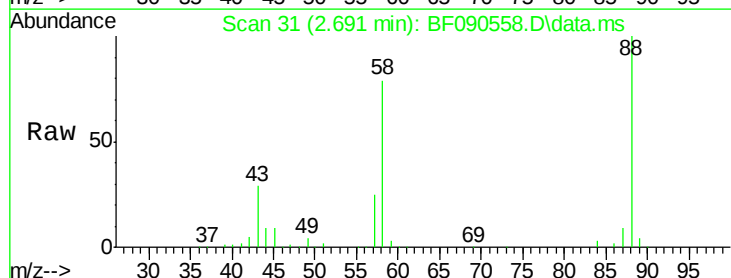
Tgt Ion: 88 Resp: 223085

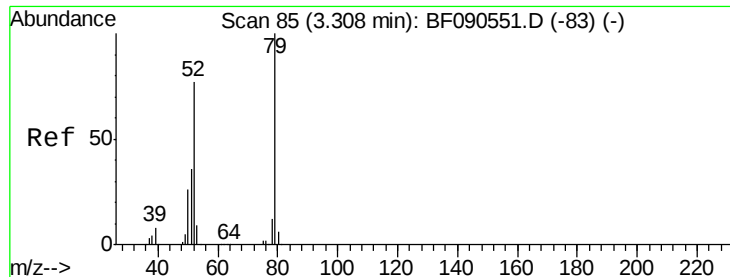
Ion Ratio Lower Upper

88 100

58 80.8 67.2 100.8

43 26.3 24.1 36.1

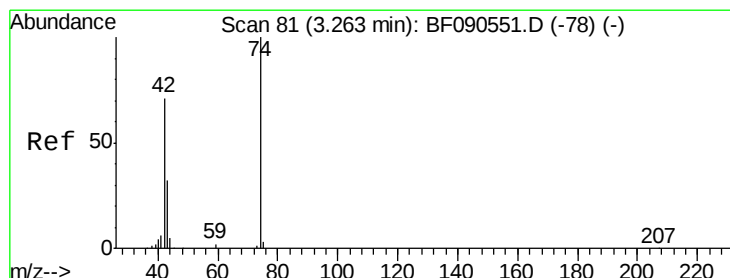
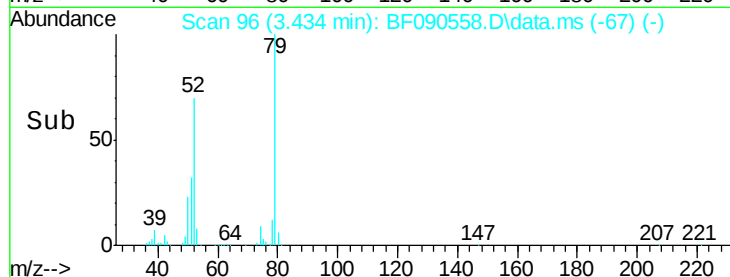
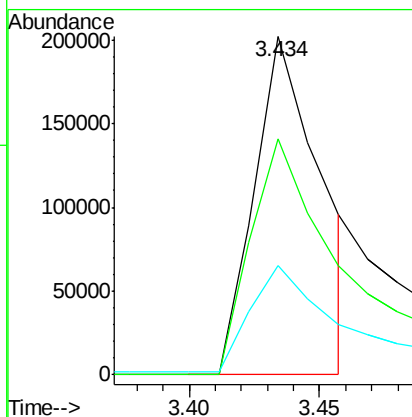
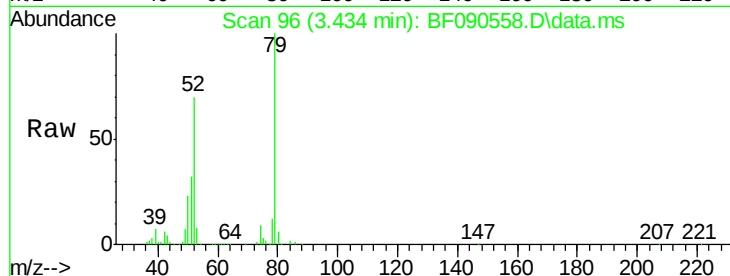




#3
 Pvrldine
 Concen: 19.43 ng
 RT: 3.434 min Scan# 96
 Delta R.T. 0.126 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

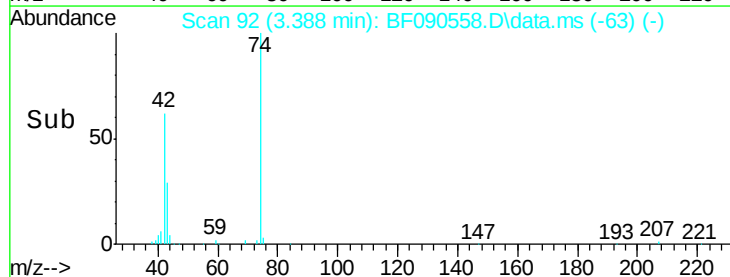
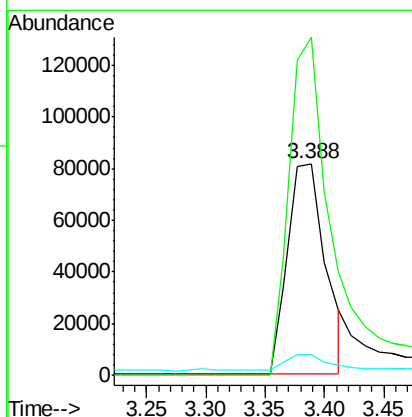
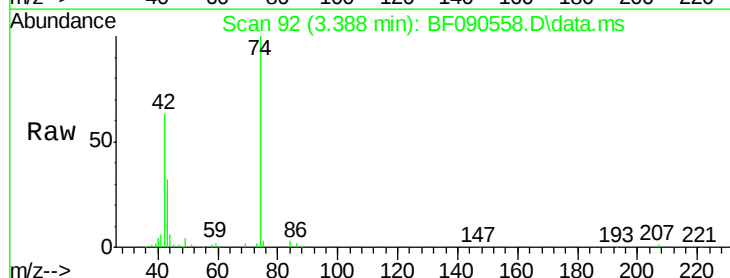
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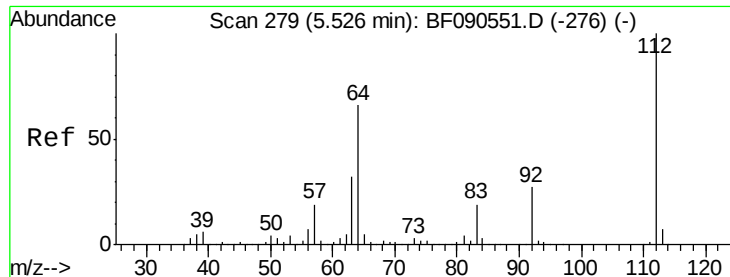
Tot Ion: 79 Resp: 360802
 Ion Ratio Lower Upper
 79 100
 52 69.6 61.8 92.8
 51 32.4 29.2 43.8



#4
 n-Nitrosodimethylamine
 Concen: 30.30 ng
 RT: 3.388 min Scan# 92
 Delta R.T. 0.126 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion: 42 Resp: 180730
 Ion Ratio Lower Upper
 42 100
 74 159.6 113.3 169.9
 44 9.6 6.0 9.0#





#5

2-Fluorophenol

Concen: 114.22 ng

RT: 5.537 min Scan# 28

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

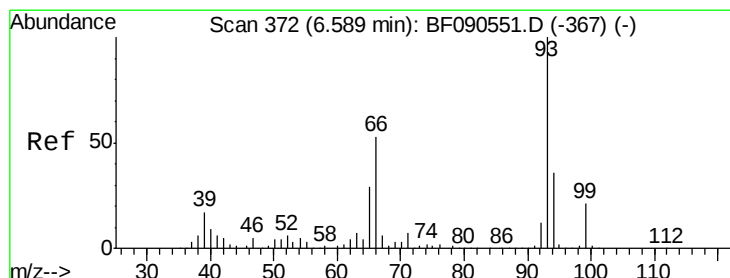
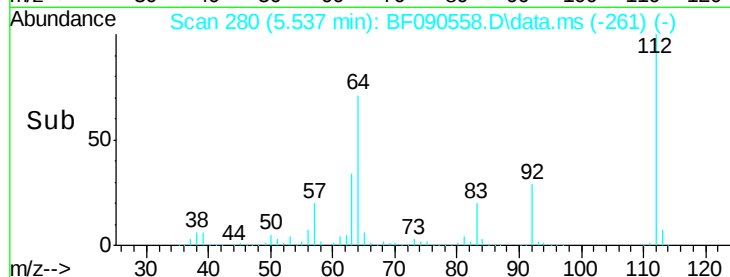
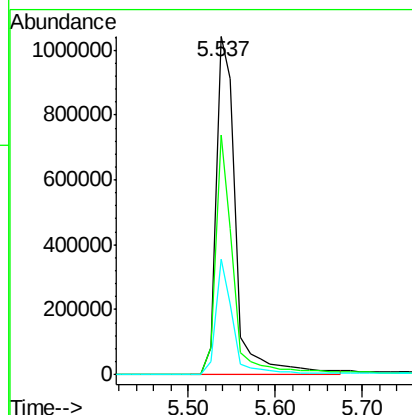
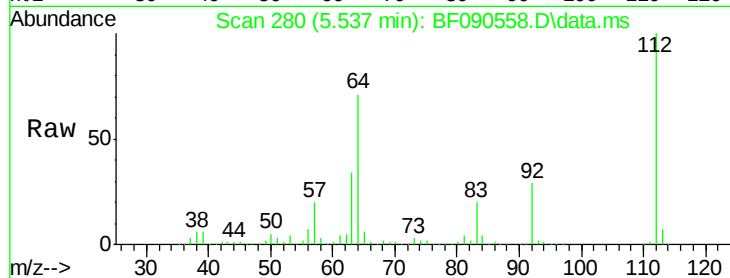
Tot Ion:112 Resp: 1660004

Ion Ratio Lower Upper

112 100

64 70.7 52.6 78.8

63 34.1 26.0 39.0



#6

Aniline

Concen: 15.69 ng

RT: 6.589 min Scan# 372

Delta R.T. 0.001 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

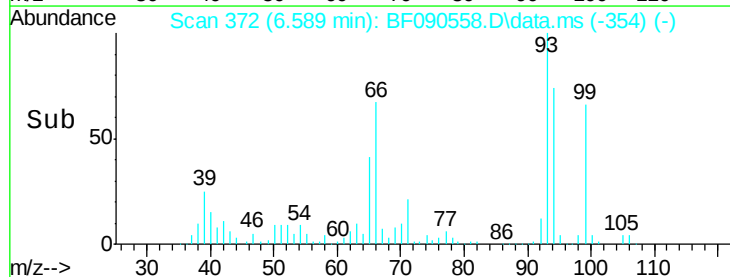
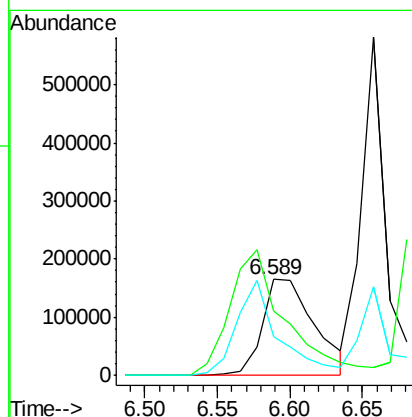
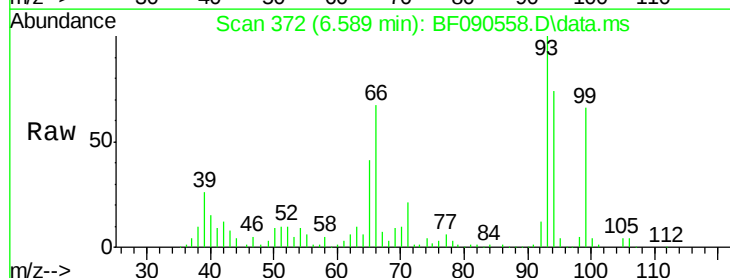
Tgt Ion: 93 Resp: 409570

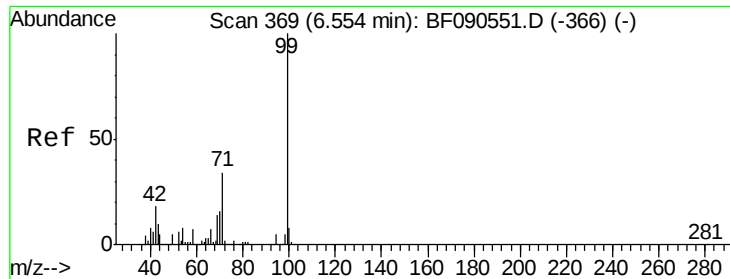
Ion Ratio Lower Upper

93 100

66 66.7 42.2 63.2#

65 40.6 22.9 34.3#





#7

Phenol-d6

Concen: 110.98 ng

RT: 6.566 min Scan# 37

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

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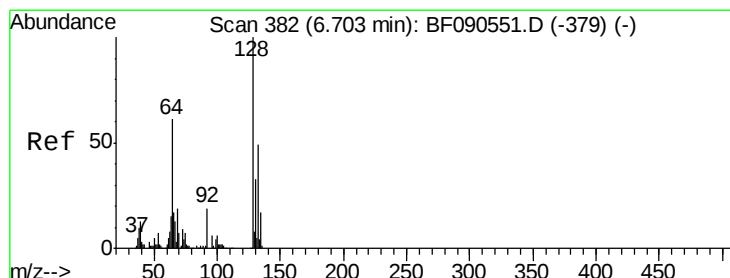
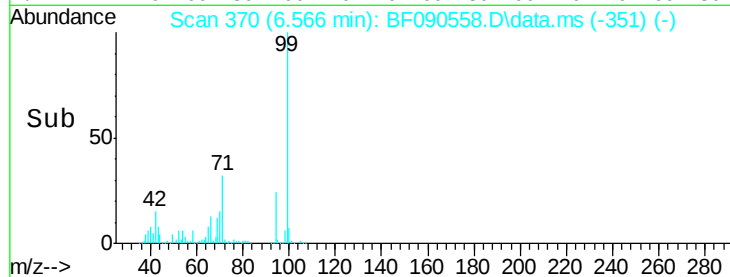
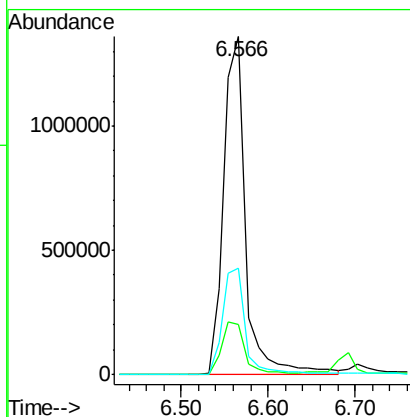
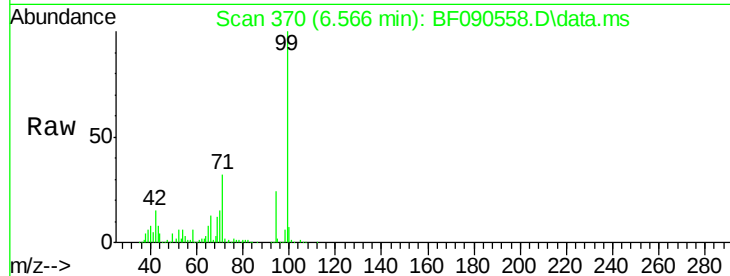
Tot Ion: 99 Resp: 2396529

Ion Ratio Lower Upper

99 100

42 14.9 14.7 22.1

71 31.6 27.6 41.4



#8

2-Chlorophenol

Concen: 36.10 ng

RT: 6.703 min Scan# 382

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

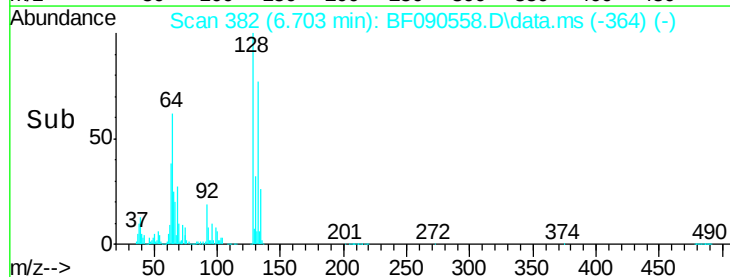
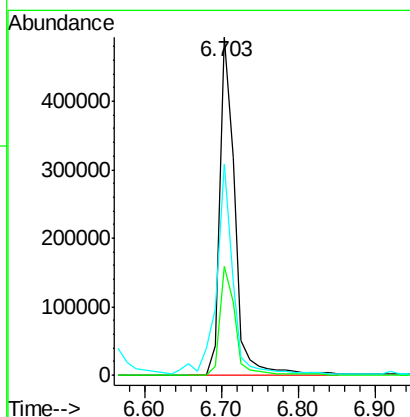
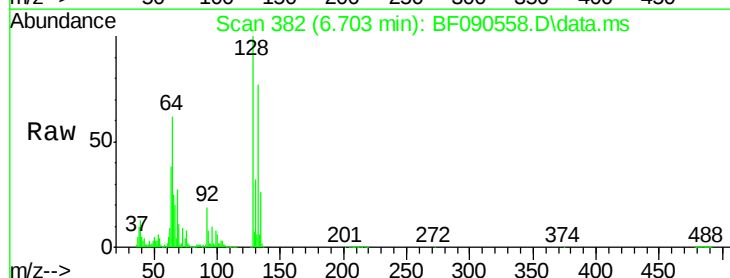
Tgt Ion:128 Resp: 680272

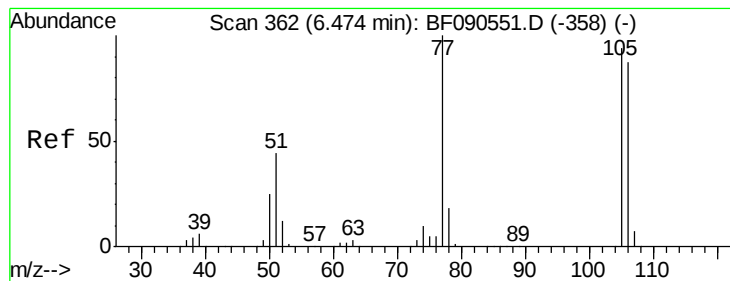
Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

64 62.3 42.6 82.6





#9

Benzaldehyde

Concen: 9.05 ng

RT: 6.463 min Scan# 361

Delta R.T. -0.011 min

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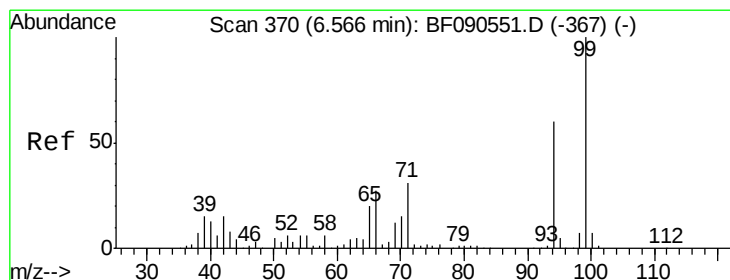
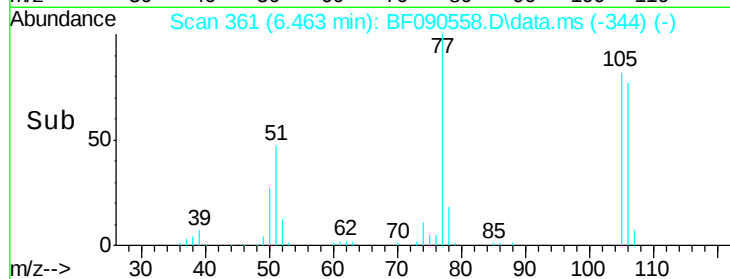
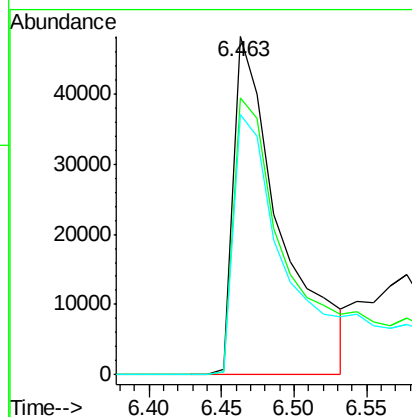
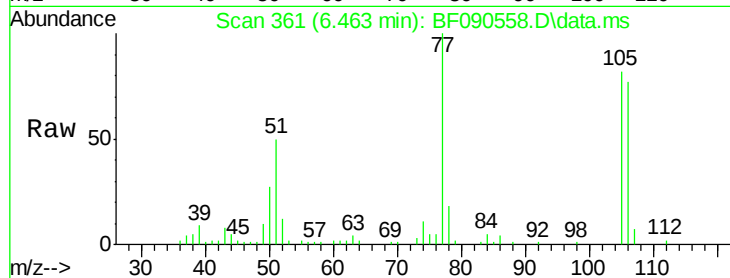
Tot Ion: 77 Resp: 110197

Ion Ratio Lower Upper

77 100

105 81.7 74.3 114.3

106 76.8 67.2 107.2



#10

Phenol

Concen: 34.32 ng

RT: 6.577 min Scan# 371

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

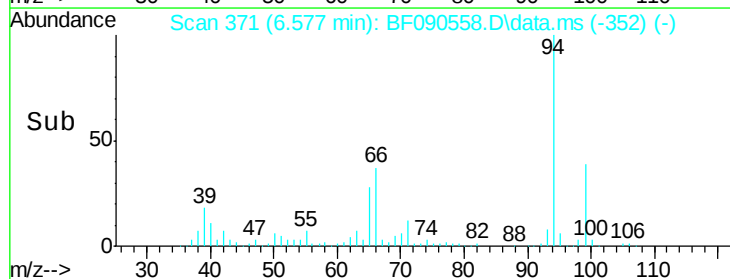
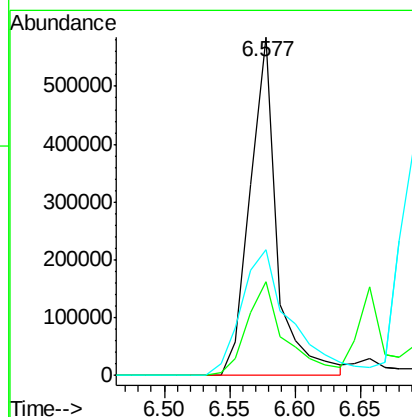
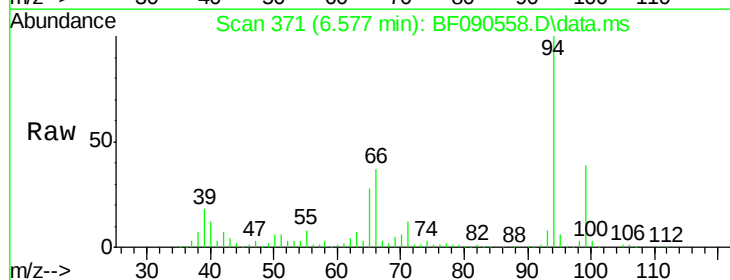
Tgt Ion: 94 Resp: 847734

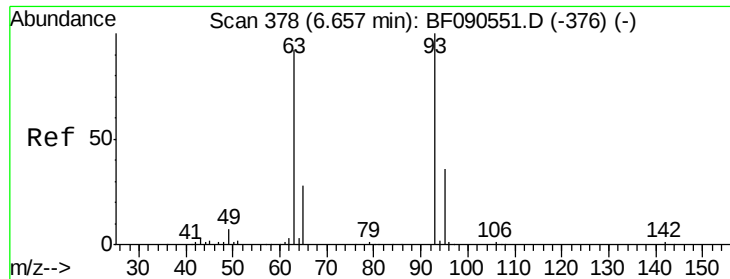
Ion Ratio Lower Upper

94 100

65 27.8 12.5 52.5

66 37.0 25.5 65.5

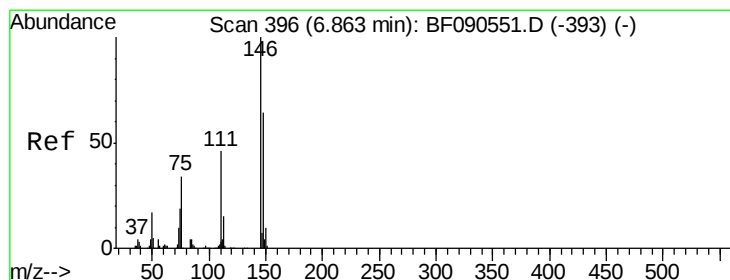
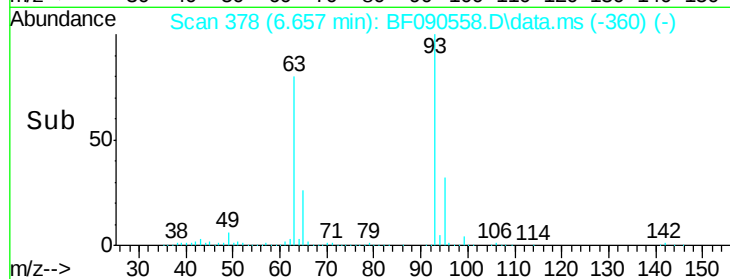
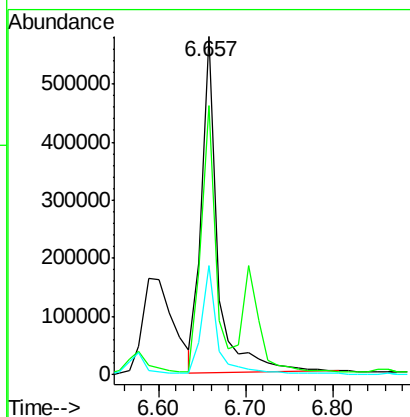
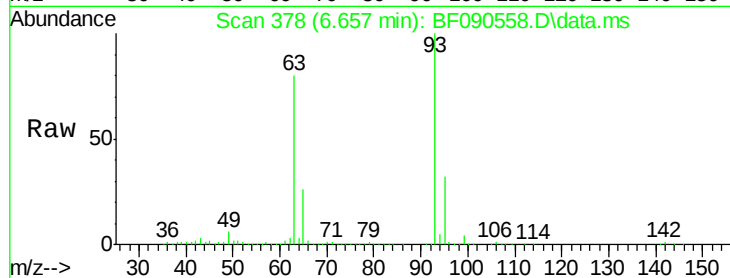




#11
 bis(2-Chloroethyl)ether
 Concen: 36.28 ng
 RT: 6.657 min Scan# 378
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

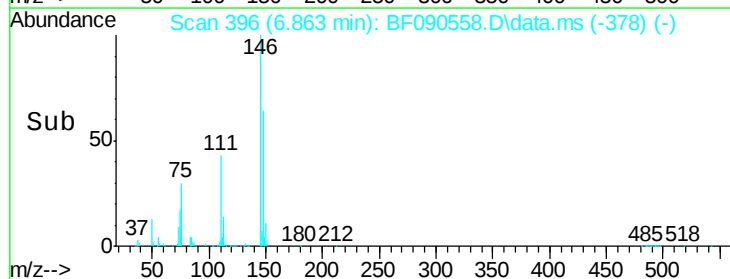
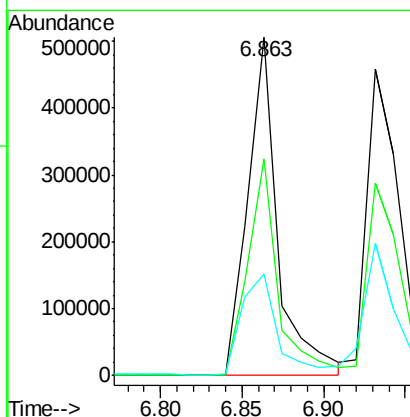
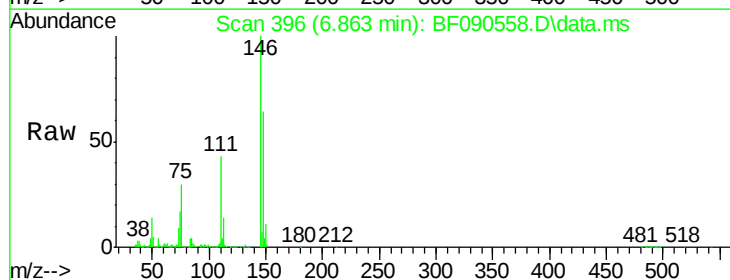
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

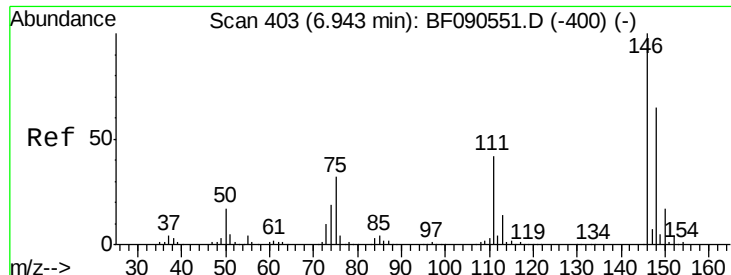
Tot Ion: 93 Resp: 739359
 Ion Ratio Lower Upper
 93 100
 63 79.6 61.6 101.6
 95 32.4 11.8 51.8



#12
 1,3-Dichlorobenzene
 Concen: 34.44 ng
 RT: 6.863 min Scan# 396
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion: 146 Resp: 647207
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.4 77.2
 75 29.8 27.0 40.6

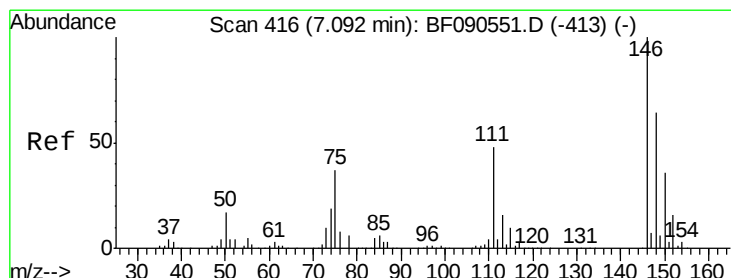
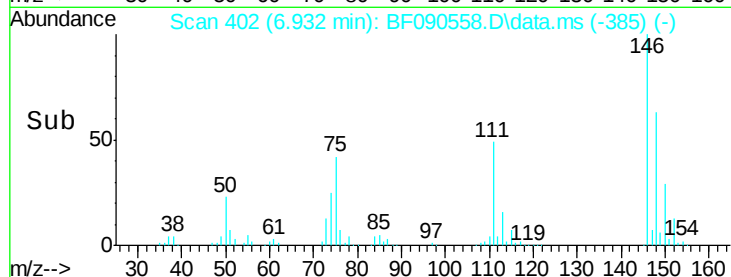
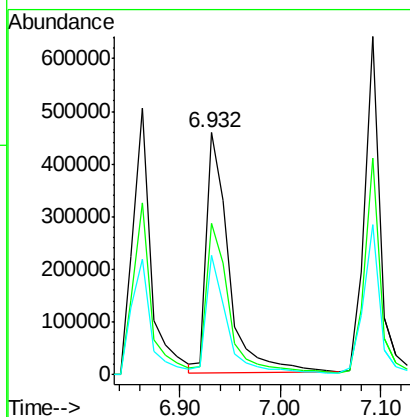
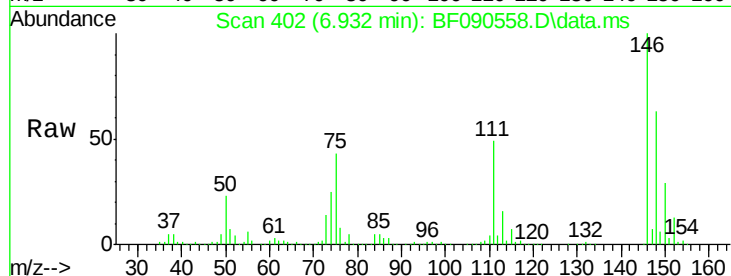




#13
 1,4-Dichlorobenzene
 Concen: 34.39 ng
 RT: 6.932 min Scan# 40
 Delta R.T. -0.011 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

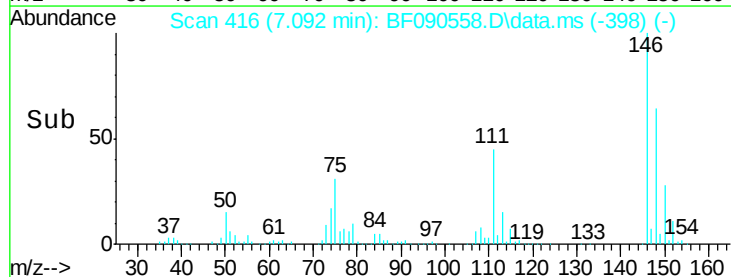
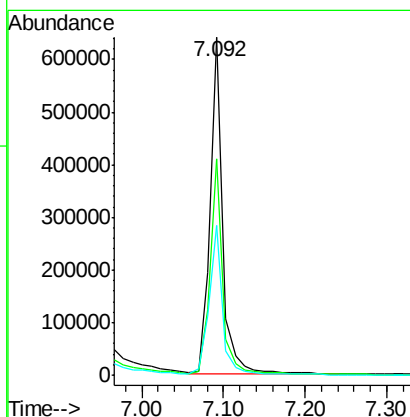
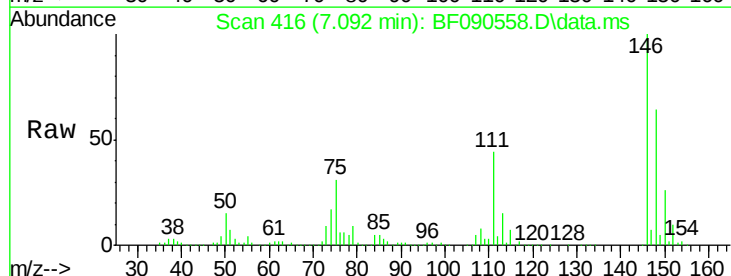
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

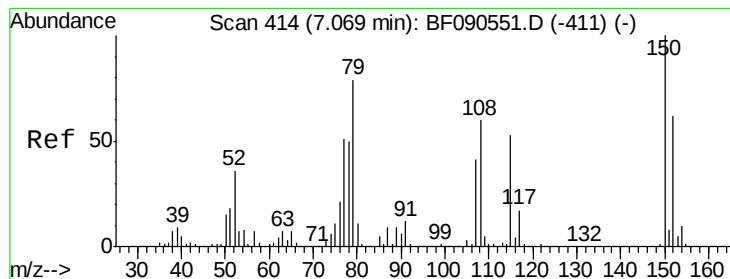
Tot Ion:146 Resp: 702955
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.9 77.9
 111 49.1 33.7 50.5



#14
 1,2-Dichlorobenzene
 Concen: 36.45 ng
 RT: 7.092 min Scan# 416
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:146 Resp: 696462
 Ion Ratio Lower Upper
 146 100
 148 63.9 51.2 76.8
 111 44.5 38.2 57.2





#15

Benzyl Alcohol

Concen: 38.48 ng

RT: 7.069 min Scan# 41

Delta R.T. 0.001 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

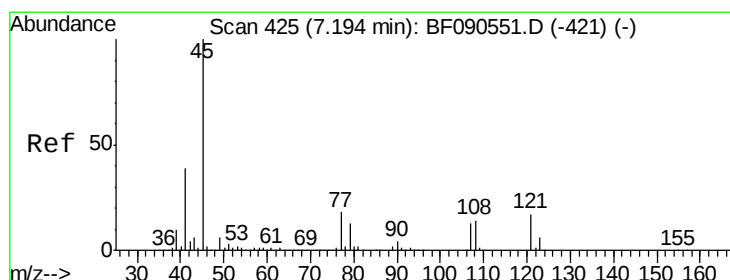
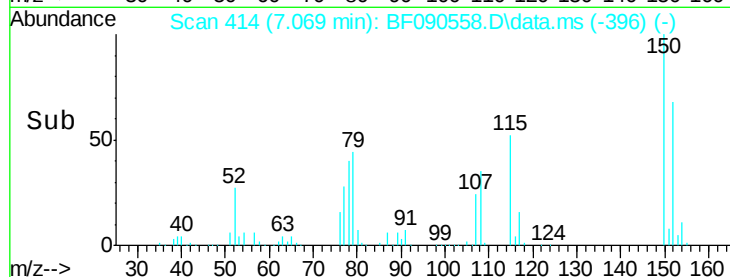
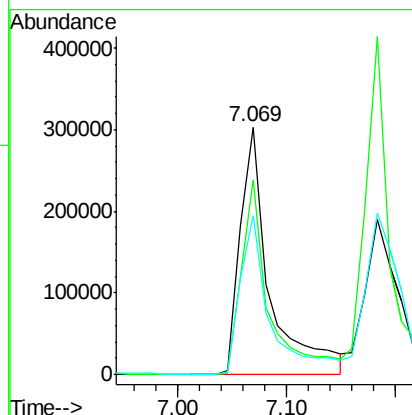
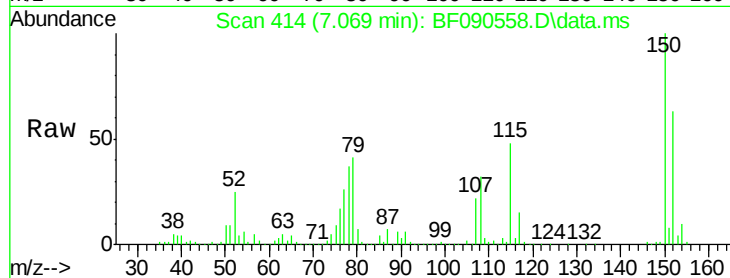
Tot Ion: 79 Resp: 566008

Ion Ratio Lower Upper

79 100

108 78.6 60.2 90.4

77 64.1 52.0 78.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.77 ng

RT: 7.195 min Scan# 425

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

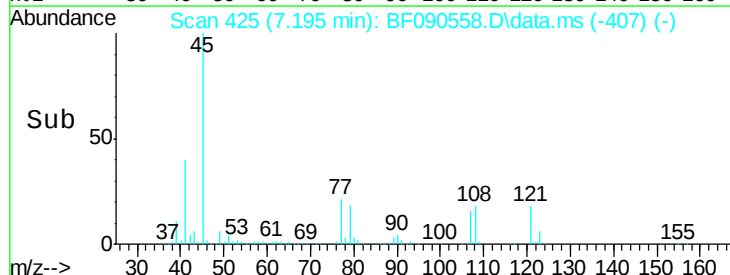
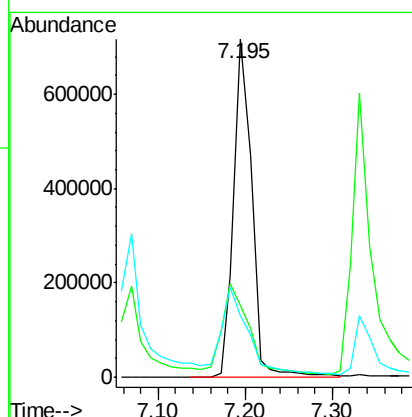
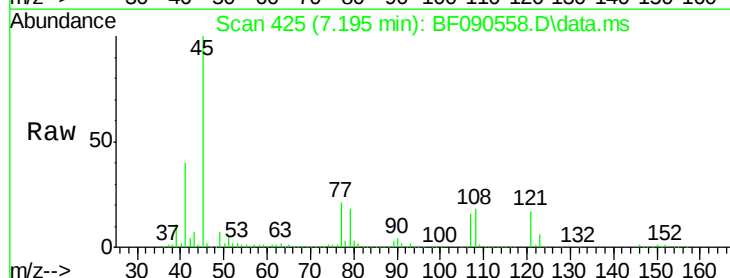
Tgt Ion: 45 Resp: 1025895

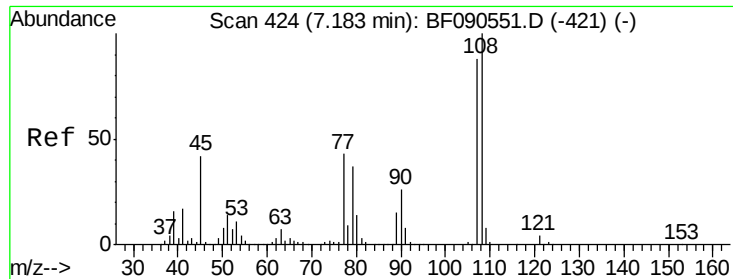
Ion Ratio Lower Upper

45 100

77 21.2 0.9 40.9

79 18.3 0.0 37.3

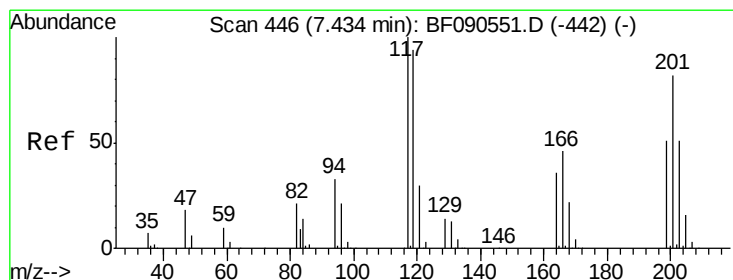
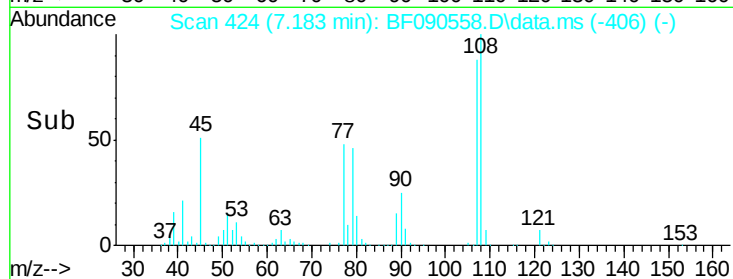
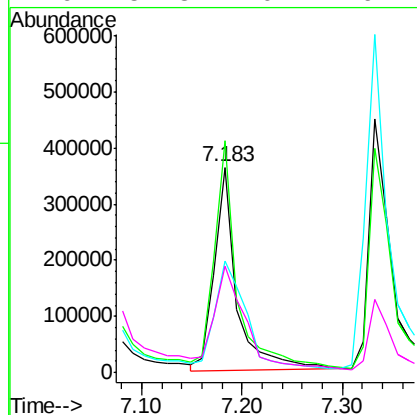
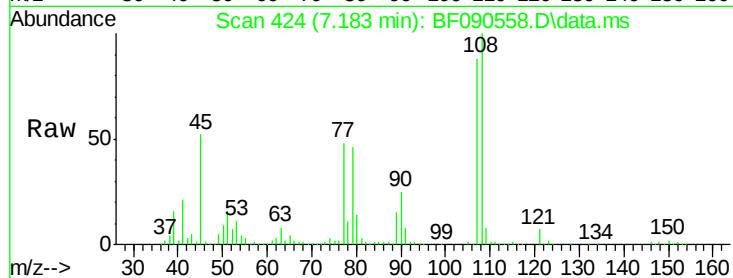




#17
2-Methylphenol
Concen: 37.95 ng
RT: 7.183 min Scan# 42
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

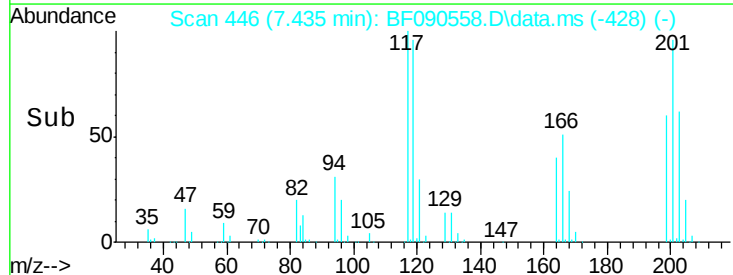
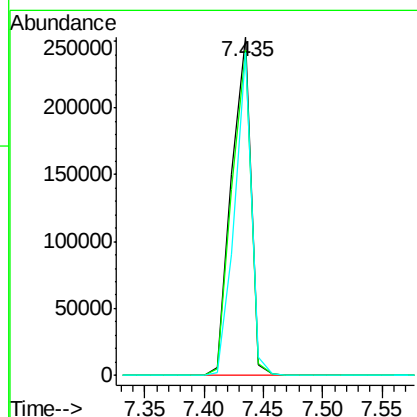
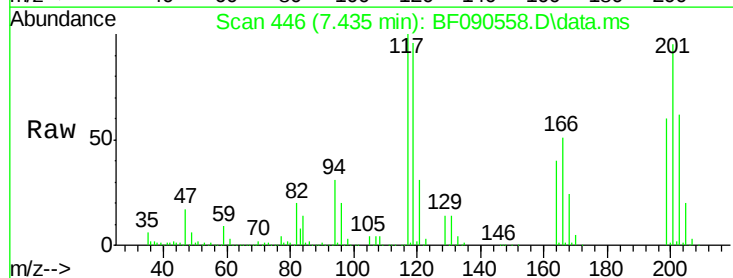
Instrument :
BNA_F
ClientSampleId :
PB94017BS

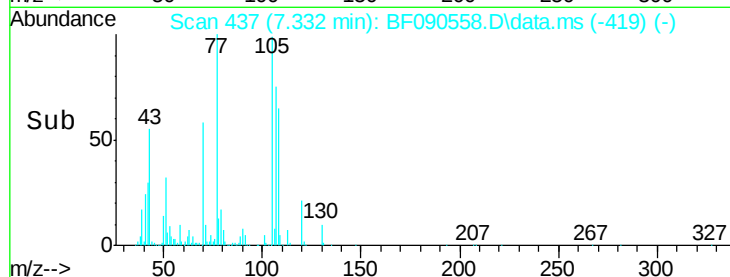
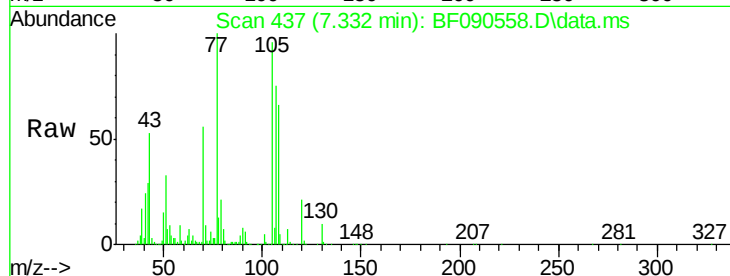
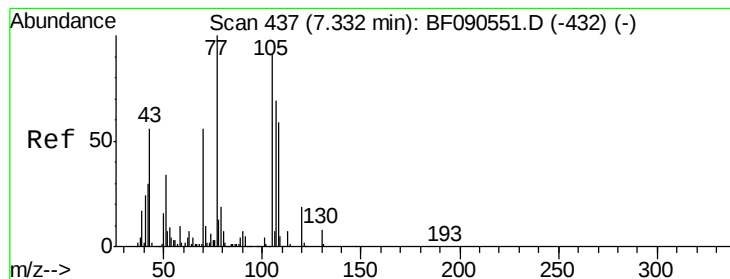
Tot Ion	Ratio	Lower	Upper
107	100		
108	113.2	92.6	138.8
77	54.2	42.2	63.2
79	51.8	40.7	61.1



#18
Hexachloroethane
Concen: 35.59 ng
RT: 7.435 min Scan# 446
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	75.6	113.4
201	95.4	65.4	98.0





#19

n-Nitroso-di-n-propylamine

Concen: 37.33 ng

RT: 7.332 min Scan# 437

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion: 70 Resp: 552762

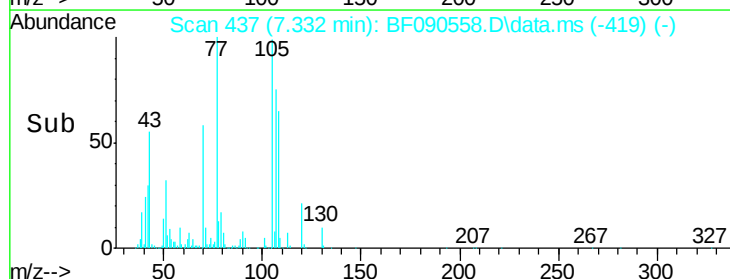
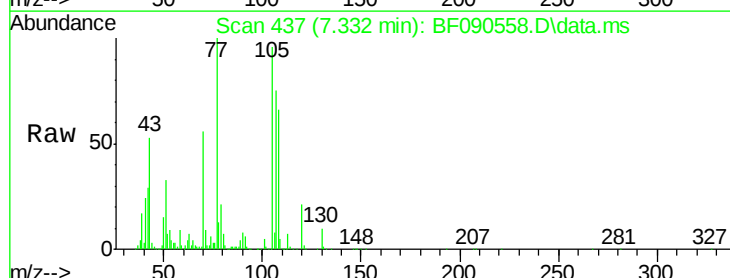
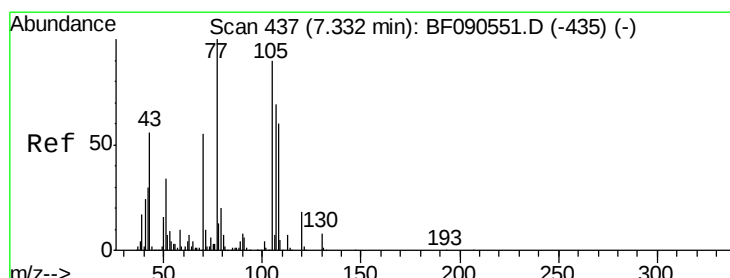
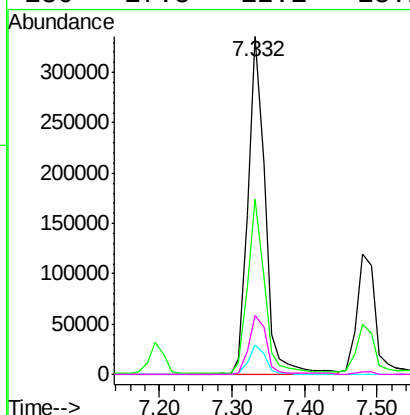
Ion Ratio Lower Upper

70 100

42 51.8 43.4 65.0

101 8.7 6.4 9.6

130 17.5 12.1 18.1



#20

3+4-Methylphenols

Concen: 38.23 ng

RT: 7.332 min Scan# 437

Delta R.T. 0.001 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion: 107 Resp: 680587

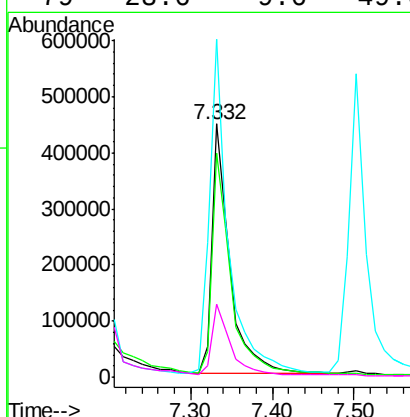
Ion Ratio Lower Upper

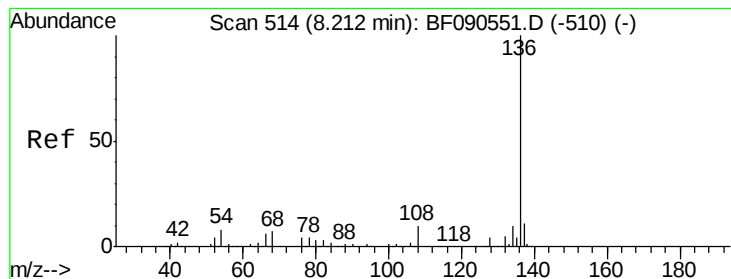
107 100

108 88.5 67.7 107.7

77 133.4 123.1 163.1

79 28.6 9.6 49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.212 min Scan# 51

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:136 Resp: 1170154

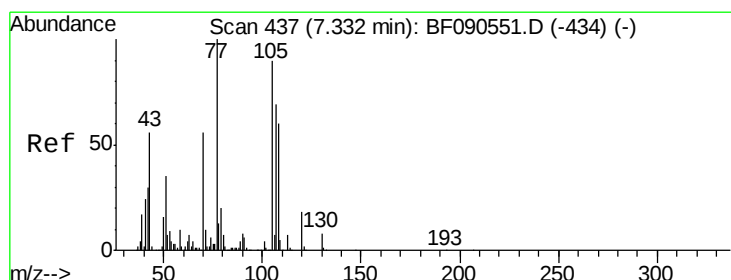
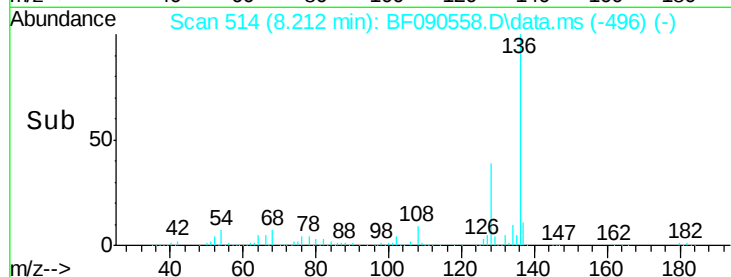
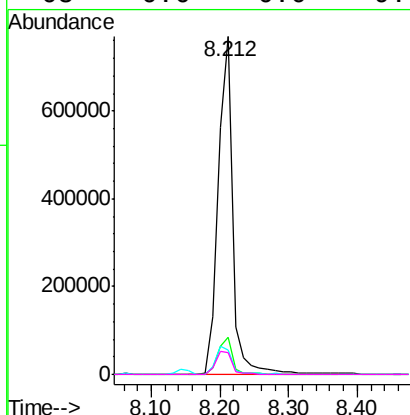
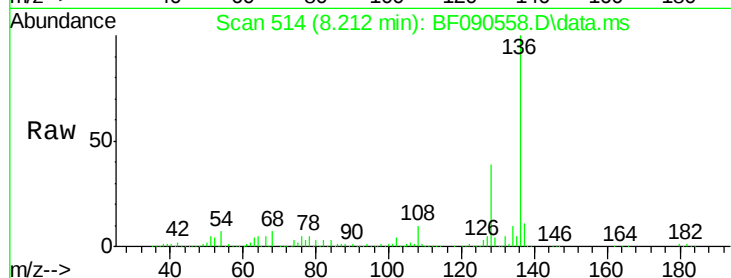
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.3 6.8 10.2

68 6.6 6.0 9.0



#22

Acetophenone

Concen: 37.45 ng

RT: 7.332 min Scan# 437

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:105 Resp: 968149

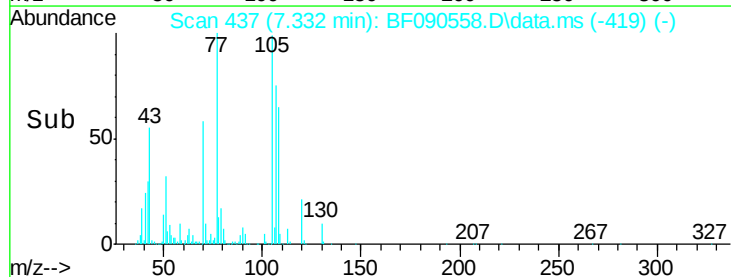
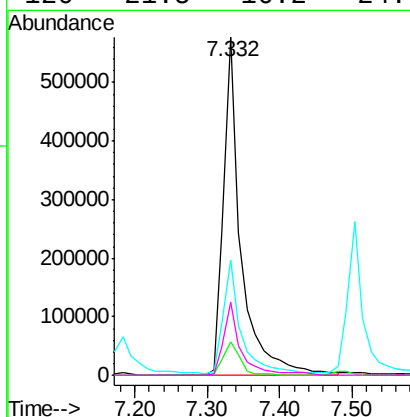
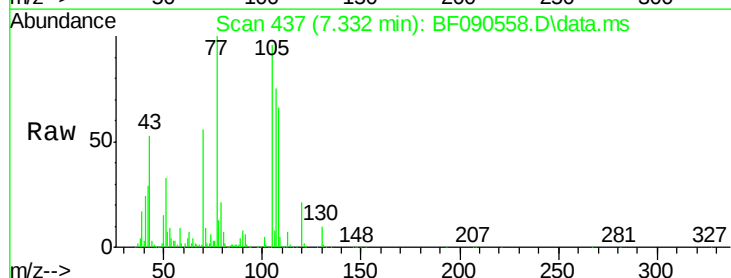
Ion Ratio Lower Upper

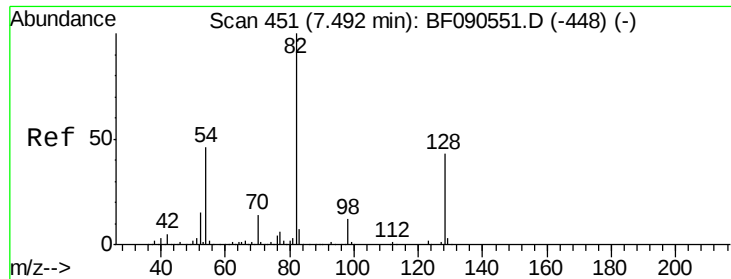
105 100

71 9.7 8.5 12.7

51 33.9 31.0 46.4

120 21.5 16.2 24.4

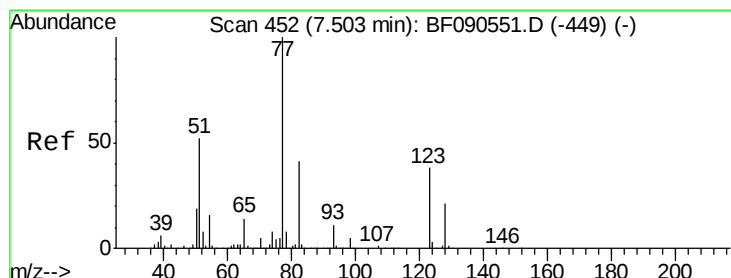
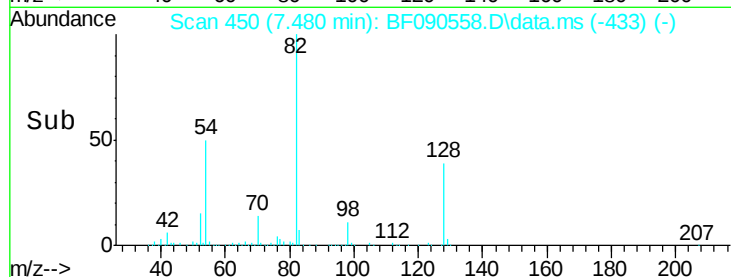
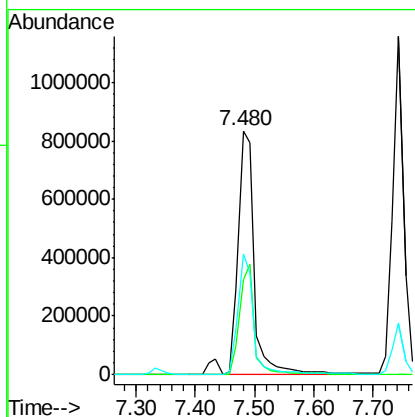
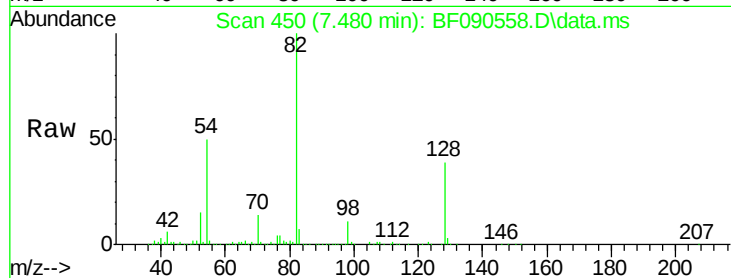




#23
 Nitrobenzene-d5
 Concen: 77.51 ng
 RT: 7.480 min Scan# 451
 Delta R.T. -0.011 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

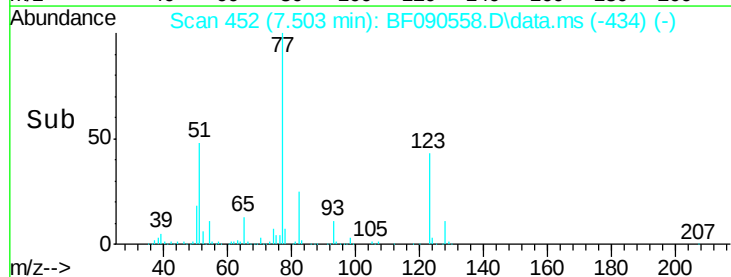
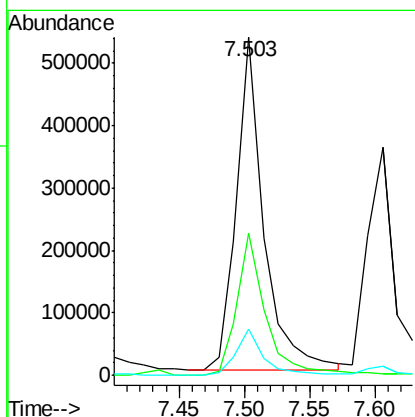
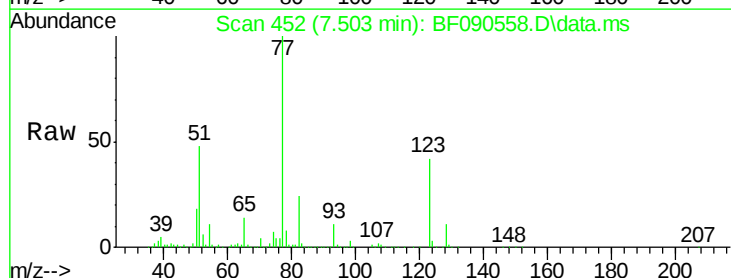
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

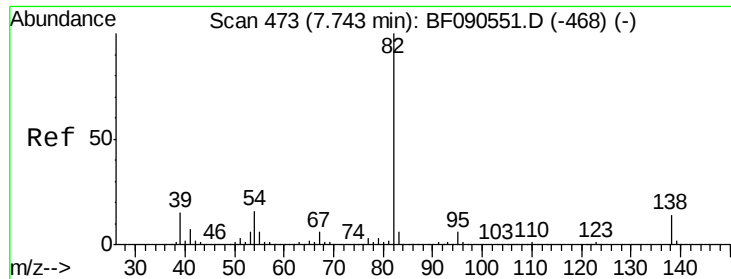
Tot Ion: 82 Resp: 1632722
 Ion Ratio Lower Upper
 82 100
 128 39.2 34.3 51.5
 54 49.7 37.0 55.6



#24
 Nitrobenzene
 Concen: 35.78 ng
 RT: 7.503 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion: 77 Resp: 773575
 Ion Ratio Lower Upper
 77 100
 123 42.2 29.8 44.6
 65 13.5 10.9 16.3





#25

Isophorone

Concen: 38.26 ng

RT: 7.743 min Scan# 47

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

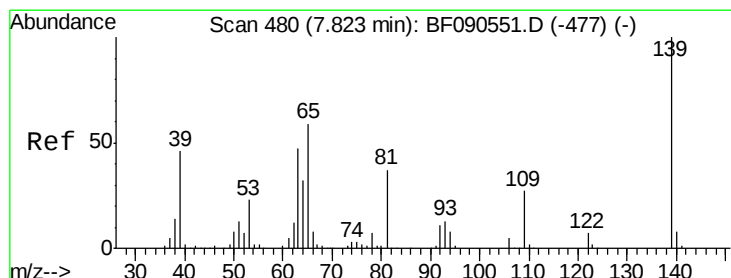
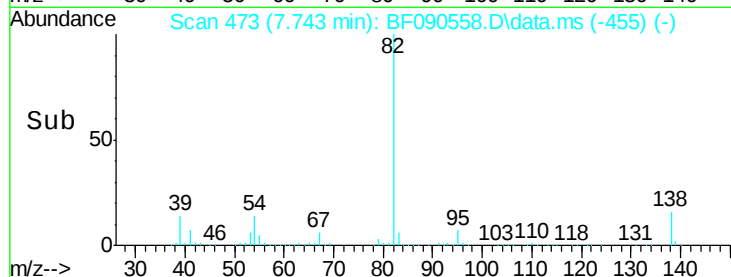
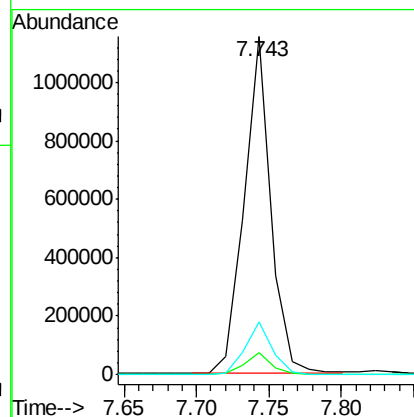
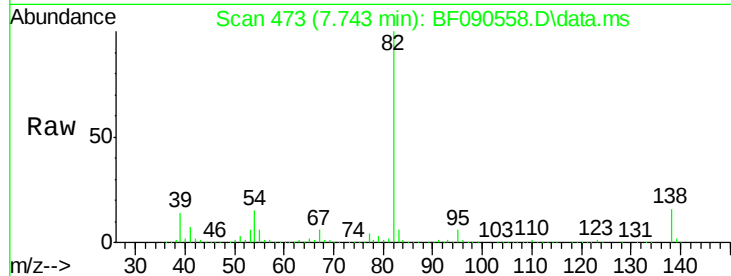
Tot Ion: 82 Resp: 1466962

Ion Ratio Lower Upper

82 100

95 6.4 5.0 7.6

138 15.7 11.5 17.3



#26

2-Nitrophenol

Concen: 37.28 ng

RT: 7.823 min Scan# 480

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

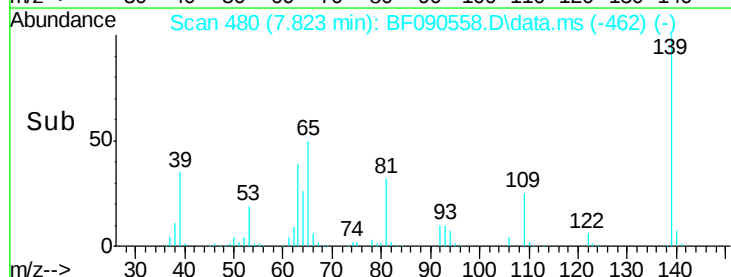
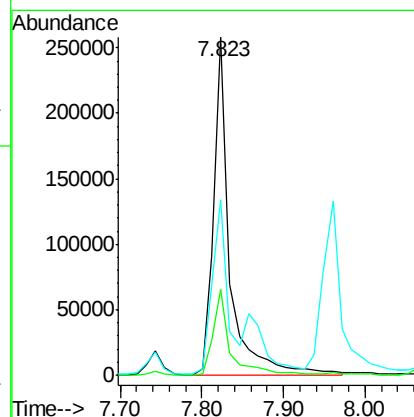
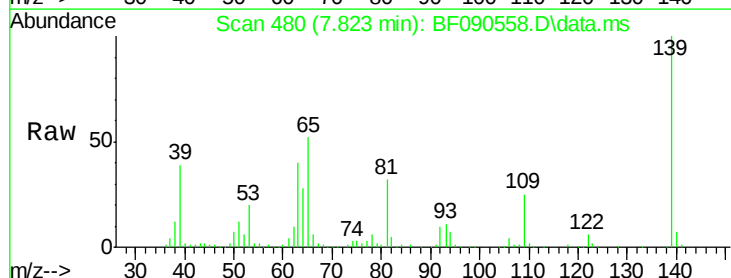
Tgt Ion: 139 Resp: 365653

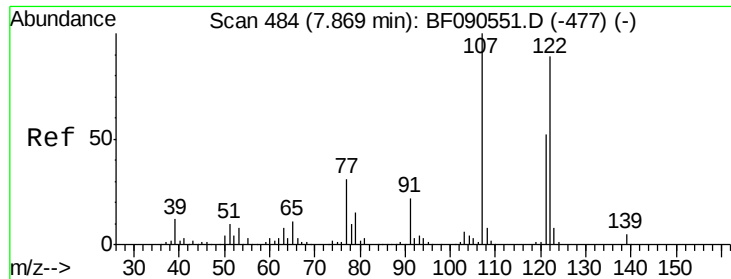
Ion Ratio Lower Upper

139 100

109 25.3 21.8 32.6

65 51.9 47.7 71.5





#27

2,4-Dimethylphenol

Concen: 38.23 ng

RT: 7.869 min Scan# 484

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

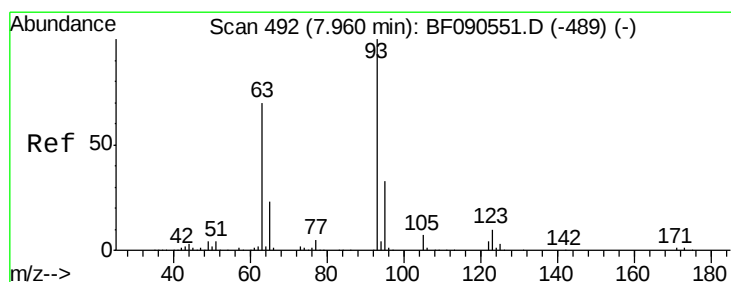
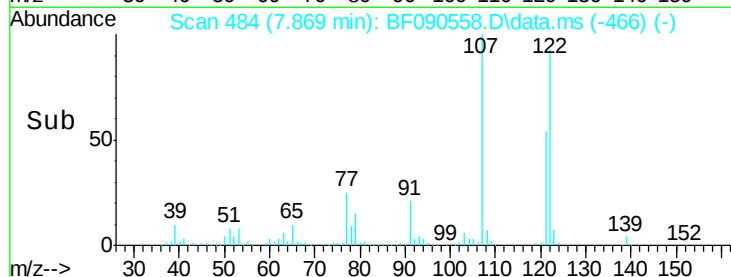
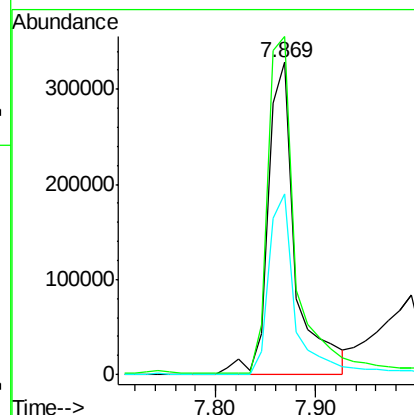
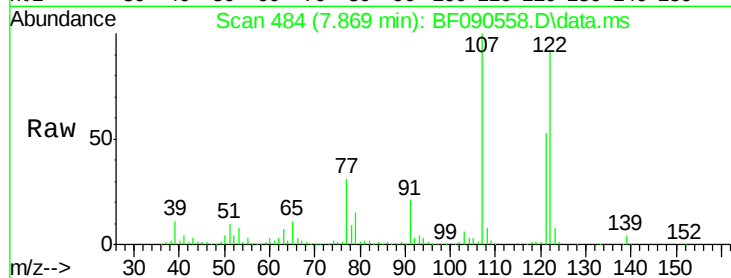
Tot Ion:122 Resp: 622127

Ion Ratio Lower Upper

122 100

107 108.3 89.8 134.6

121 57.7 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 40.10 ng

RT: 7.960 min Scan# 492

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

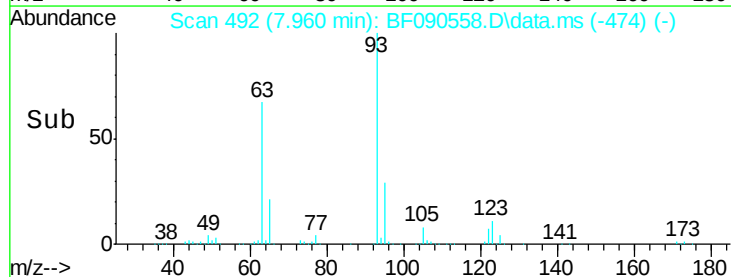
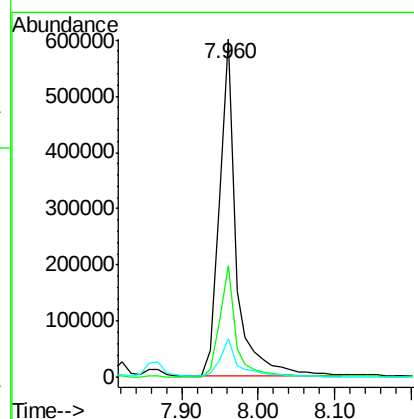
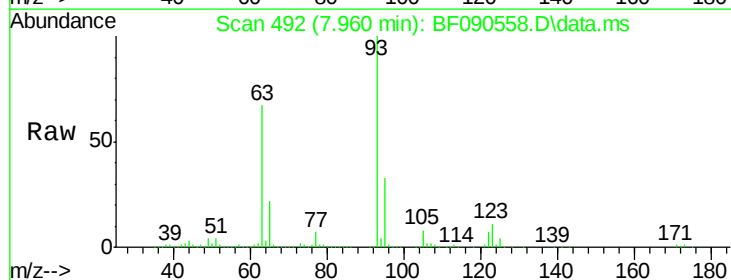
Tgt Ion: 93 Resp: 907742

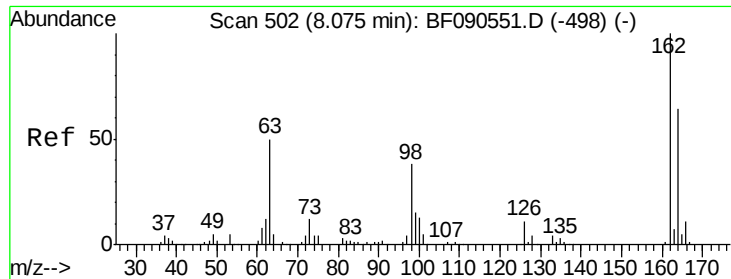
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.2

123 11.3 8.6 13.0

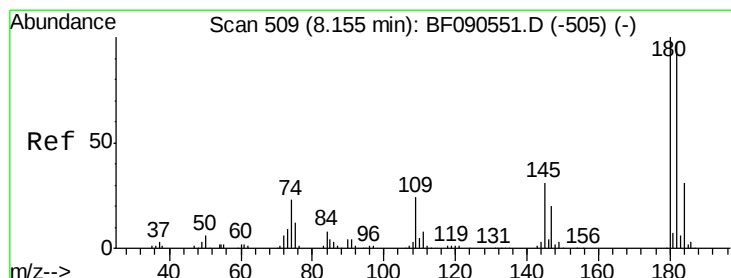
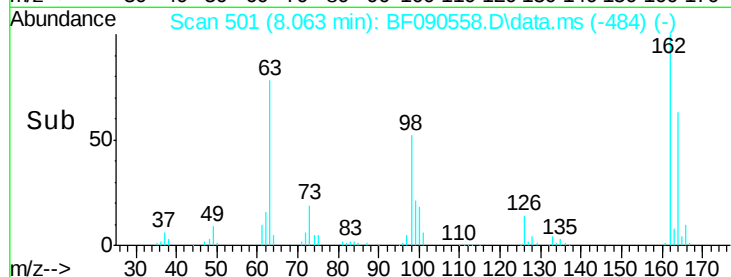
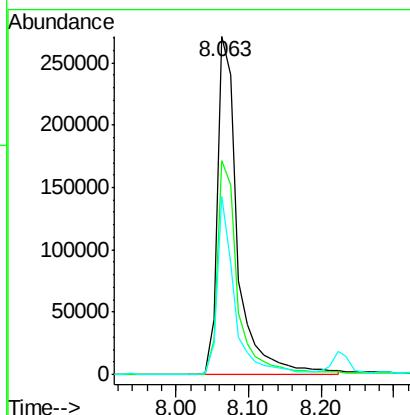
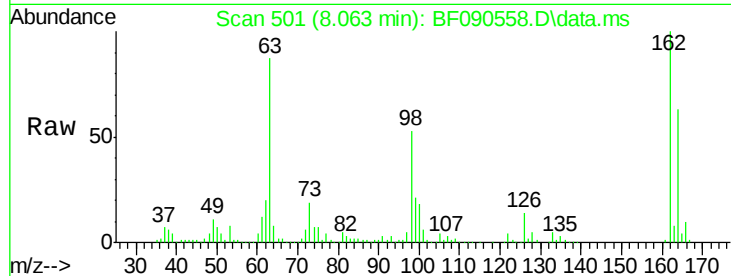




#29
2,4-Dichlorophenol
Concen: 36.73 ng
RT: 8.063 min Scan# 501
Delta R.T. -0.011 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

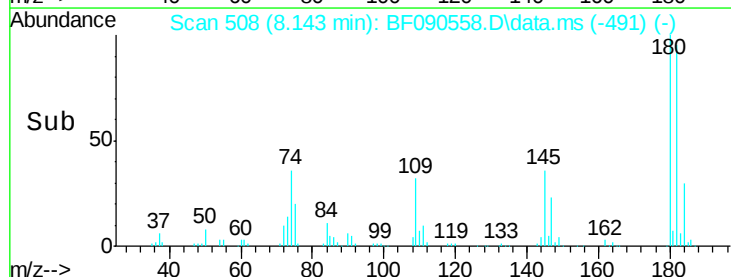
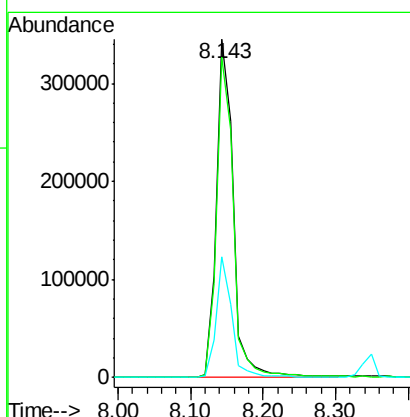
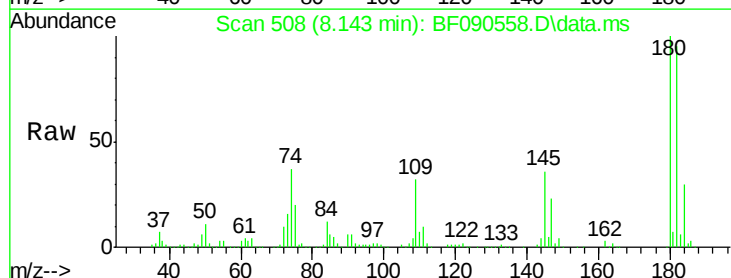
Instrument :
BNA_F
ClientSampleId :
PB94017BS

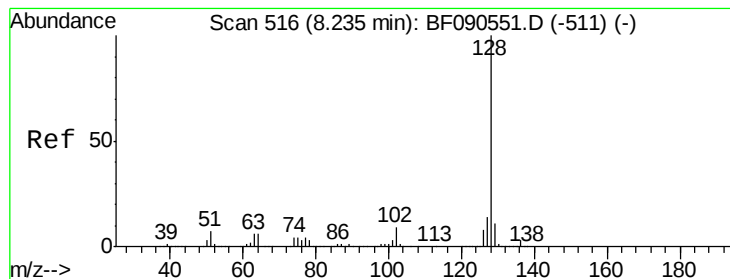
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	52.8	18.0	58.0



#30
1,2,4-Trichlorobenzene
Concen: 33.32 ng
RT: 8.143 min Scan# 508
Delta R.T. -0.011 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.2	115.8
145	35.6	24.4	36.6





#31

Naphthalene

Concen: 33.01 ng

RT: 8.223 min Scan# 51

Delta R.T. -0.011 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

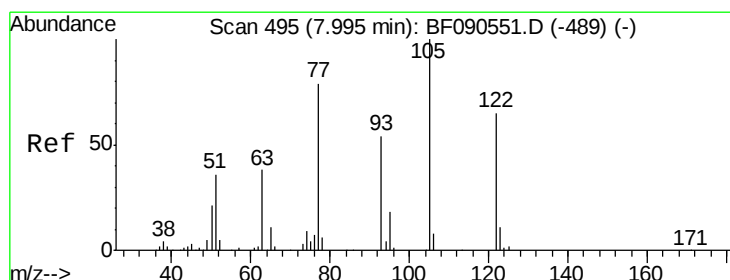
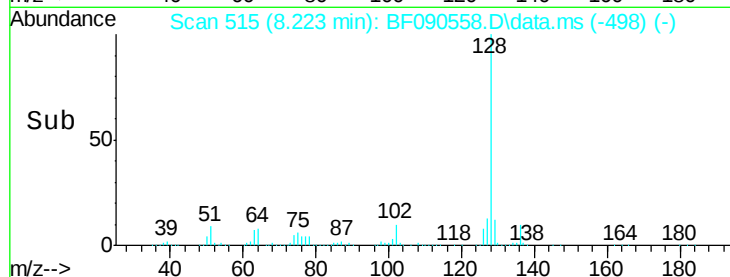
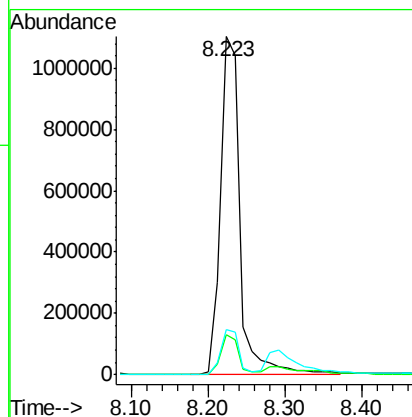
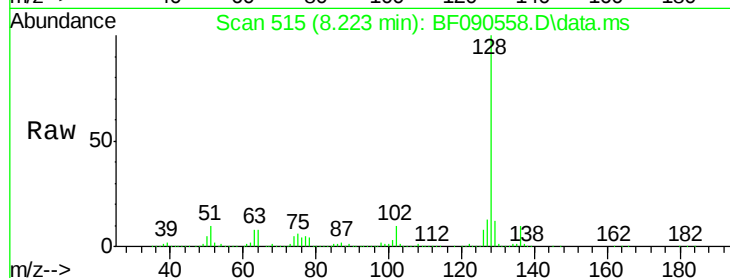
Tot Ion:128 Resp: 1967714

Ion Ratio Lower Upper

128 100

129 11.8 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 25.18 ng

RT: 7.995 min Scan# 495

Delta R.T. 0.001 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

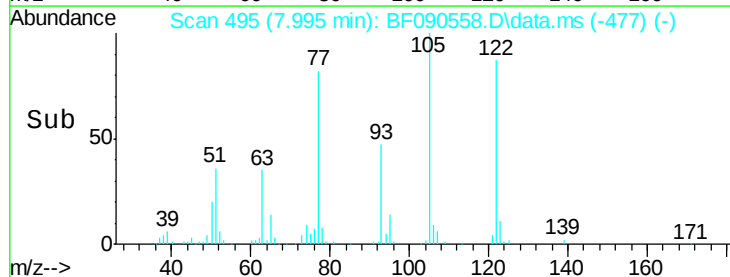
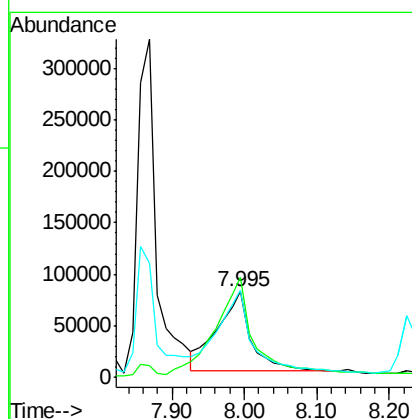
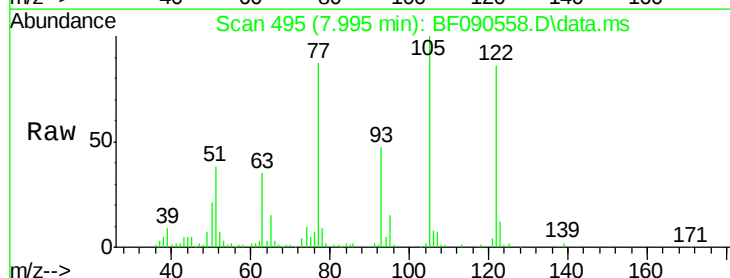
Tgt Ion:122 Resp: 251700

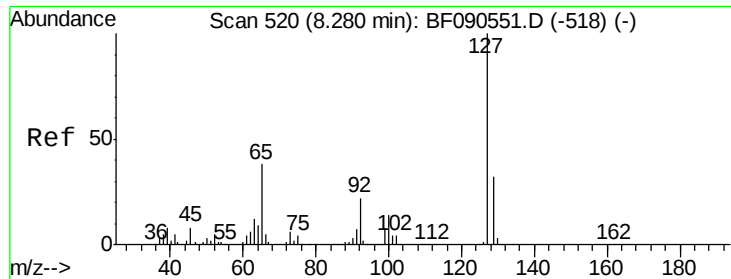
Ion Ratio Lower Upper

122 100

105 116.4 101.1 141.1

77 101.7 84.7 124.7





#33

4-Chloroaniline

Concen: 9.65 ng

RT: 8.292 min Scan# 521

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:127 Resp: 219794

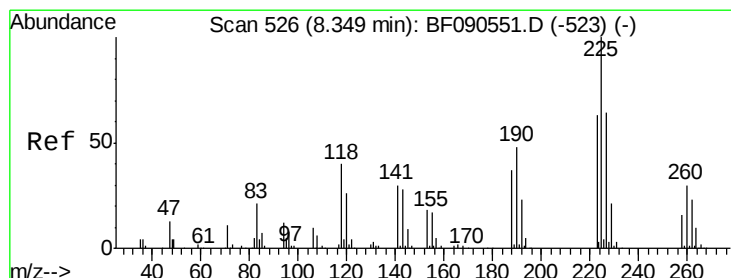
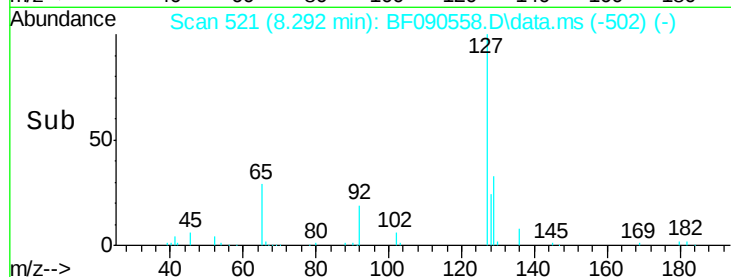
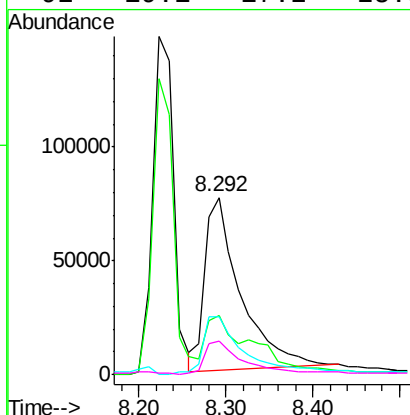
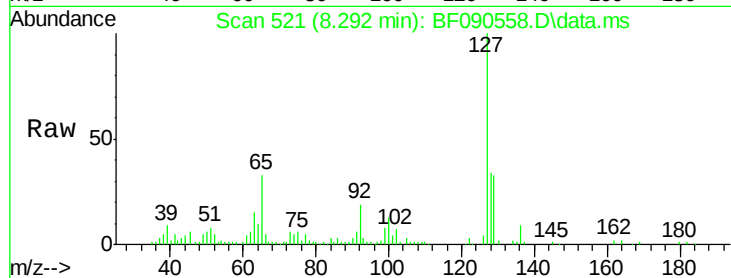
Ion Ratio Lower Upper

127 100

129 33.1 26.2 39.2

65 32.6 30.1 45.1

92 19.1 17.2 25.8



#34

Hexachlorobutadiene

Concen: 35.88 ng

RT: 8.349 min Scan# 526

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

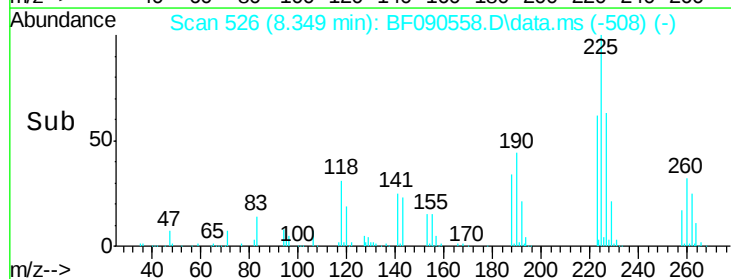
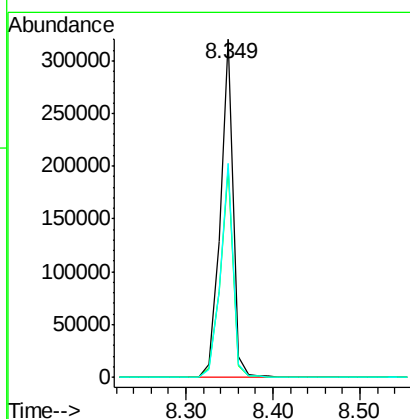
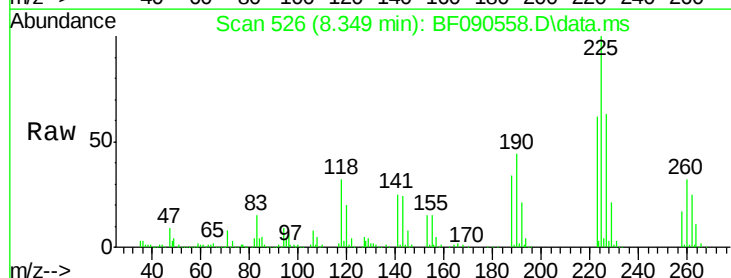
Tgt Ion:225 Resp: 334700

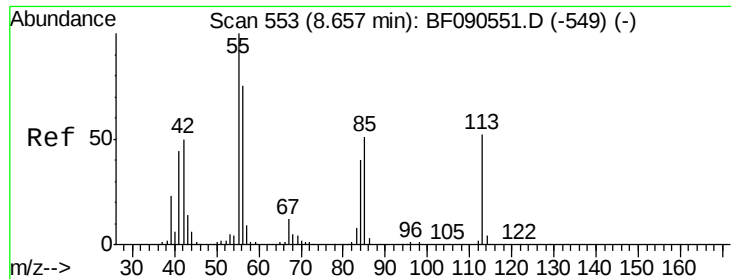
Ion Ratio Lower Upper

225 100

223 61.8 50.6 76.0

227 63.3 51.4 77.2





#35

Caprolactam

Concen: 24.10 ng

RT: 8.658 min Scan# 55

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

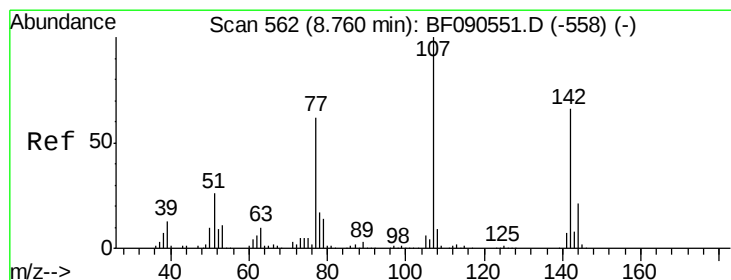
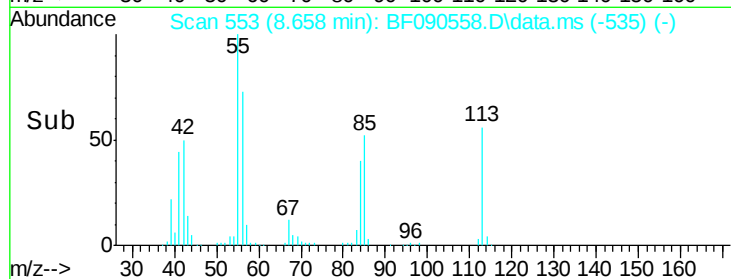
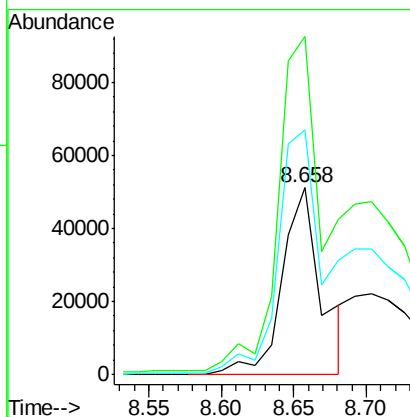
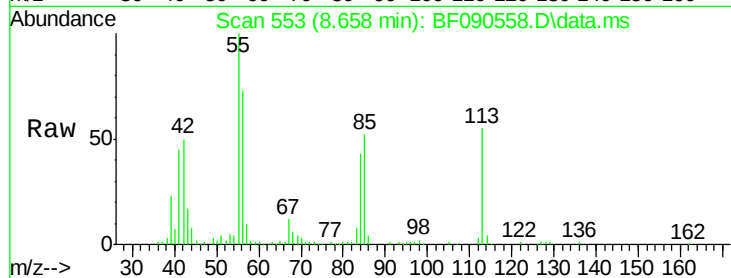
Tot Ion:113 Resp: 95881

Ion Ratio Lower Upper

113 100

55 181.3 170.8 210.8

56 131.5 122.4 162.4



#36

4-Chloro-3-methylphenol

Concen: 38.61 ng

RT: 8.772 min Scan# 563

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

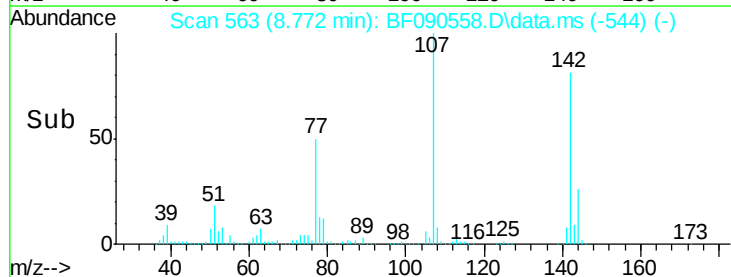
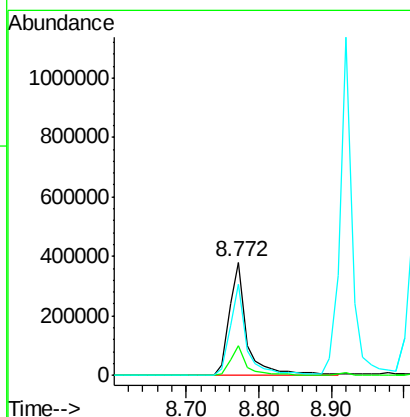
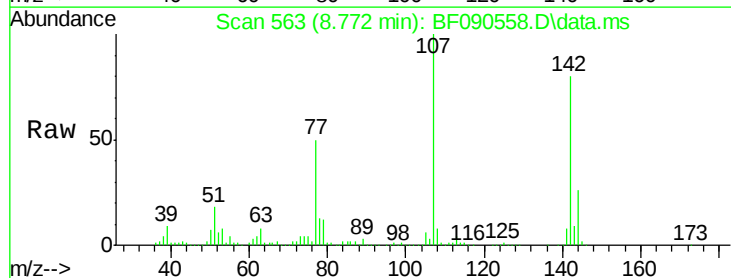
Tgt Ion:107 Resp: 635025

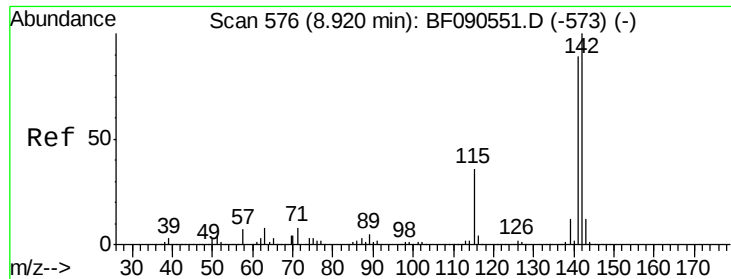
Ion Ratio Lower Upper

107 100

144 26.4 16.9 25.3#

142 80.4 52.5 78.7#

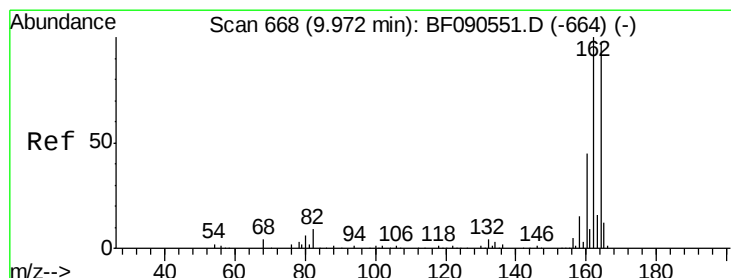
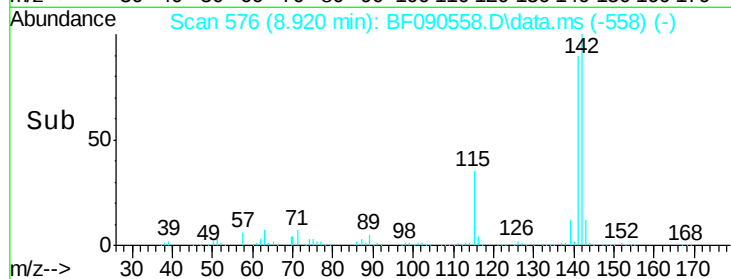
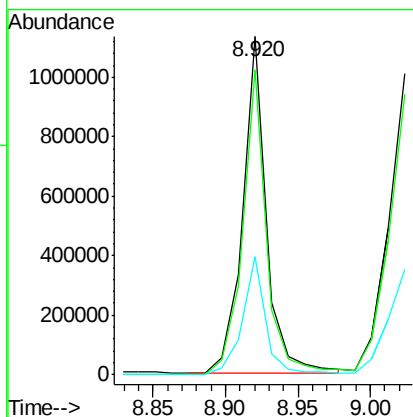
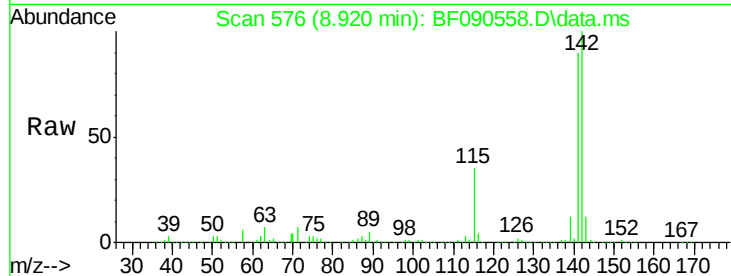




#37
2-Methylnaphthalene
Concen: 36.53 ng
RT: 8.920 min Scan# 57
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

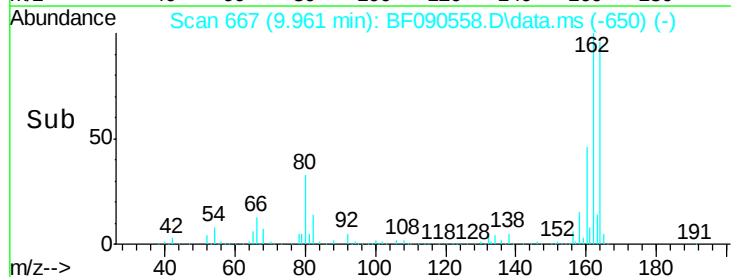
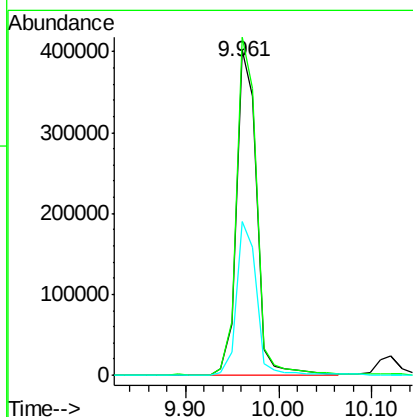
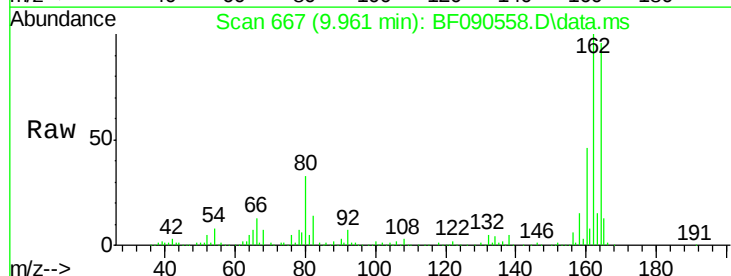
Instrument :
BNA_F
ClientSampleId :
PB94017BS

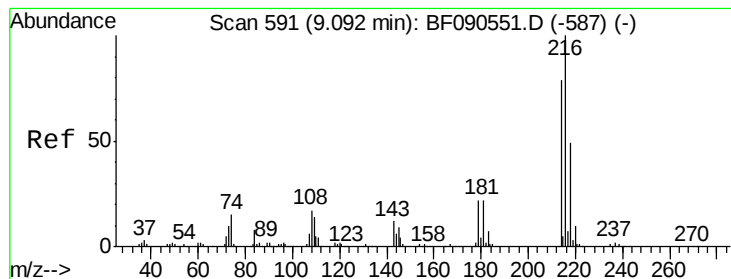
Tot Ion:142 Resp: 1278931
Ion Ratio Lower Upper
142 100
141 90.3 71.3 106.9
115 34.7 28.8 43.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.961 min Scan# 667
Delta R.T. -0.011 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion:164 Resp: 610227
Ion Ratio Lower Upper
164 100
162 103.8 82.2 123.4
160 47.4 36.6 55.0





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.88 ng

RT: 9.092 min Scan# 591

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion:216 Resp: 580479

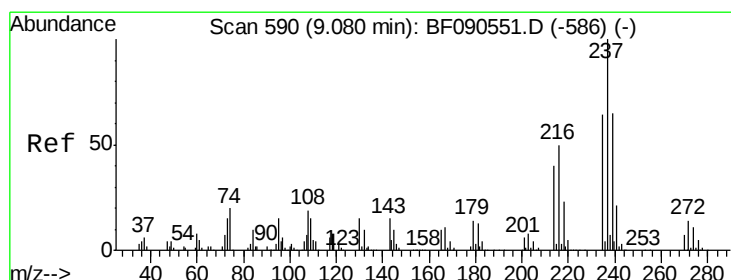
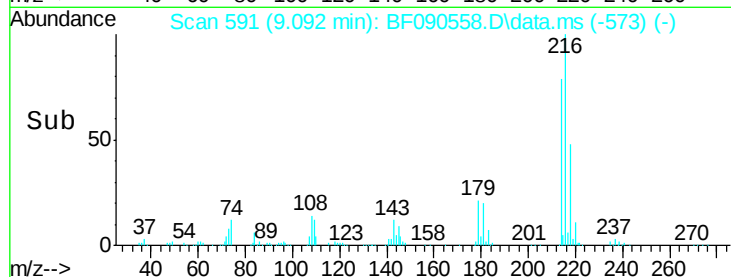
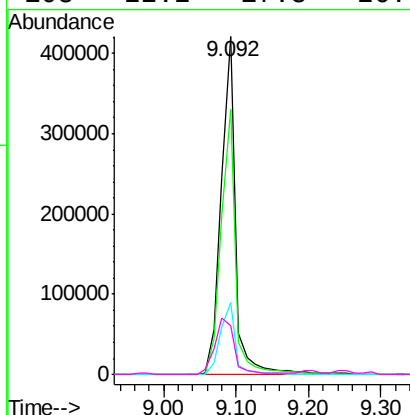
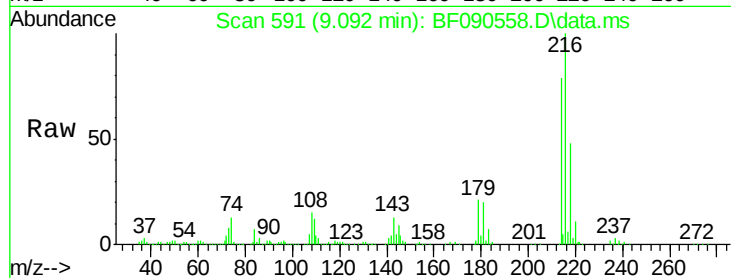
Ion Ratio Lower Upper

216 100

214 79.2 63.5 95.3

179 22.4 18.9 28.3

108 22.2 17.8 26.6



#40

Hexachlorocyclopentadiene

Concen: 82.11 ng

RT: 9.080 min Scan# 590

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

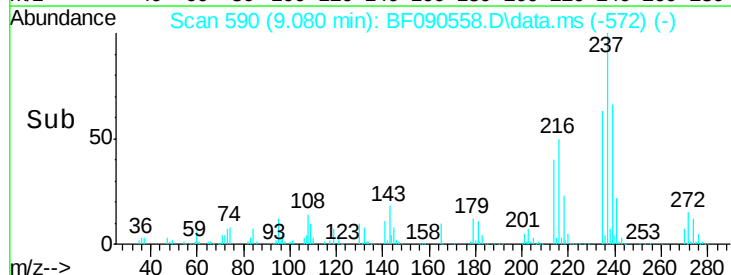
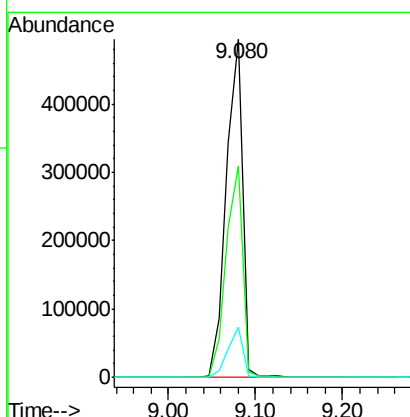
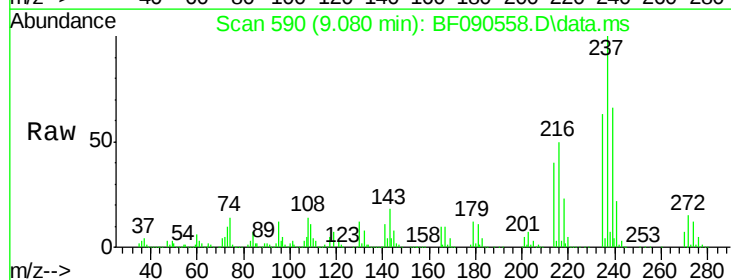
Tgt Ion:237 Resp: 648984

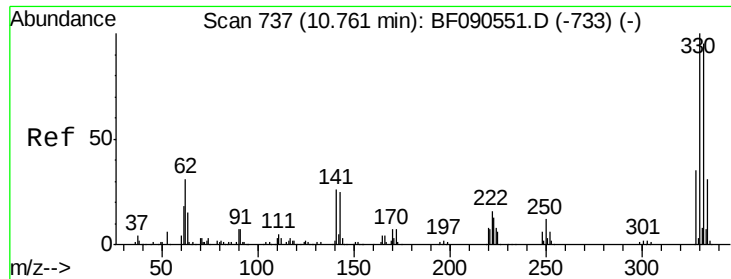
Ion Ratio Lower Upper

237 100

235 62.6 43.8 83.8

272 14.7 0.0 33.7

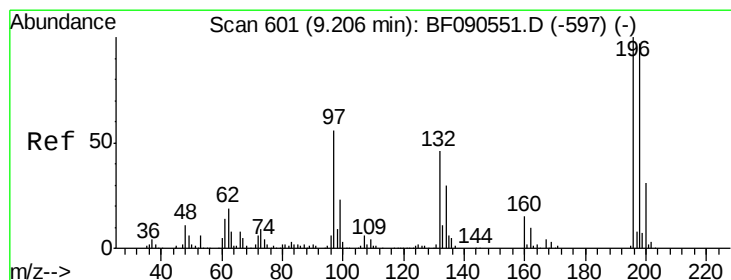
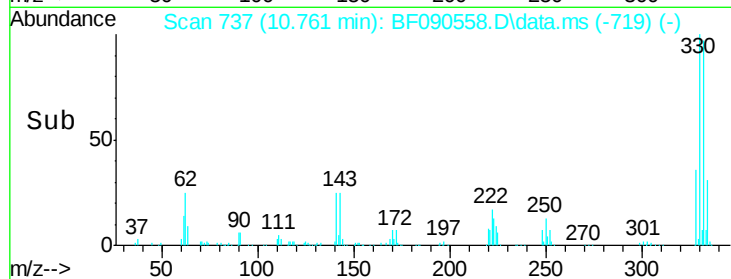
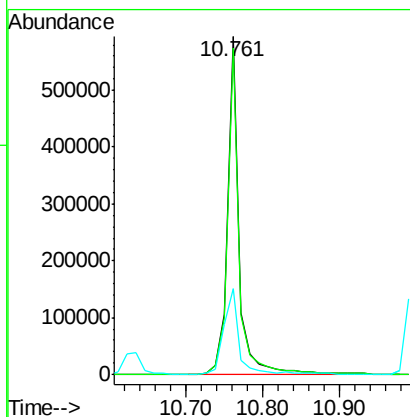
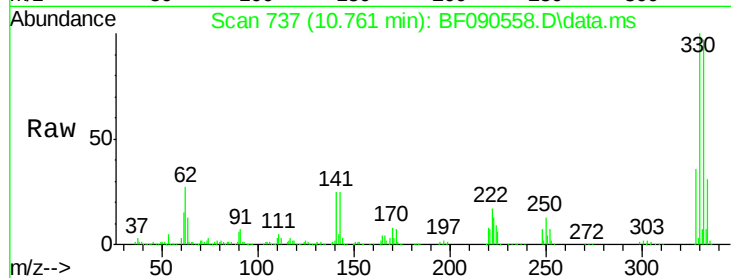




#41
 2,4,6-Tribromophenol
 Concen: 118.01 ng
 RT: 10.761 min Scan# 737
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

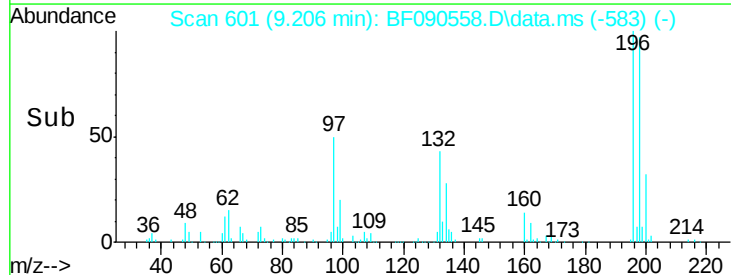
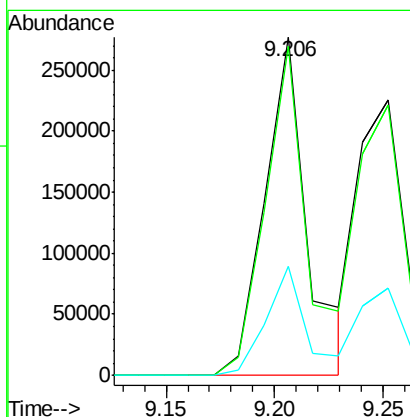
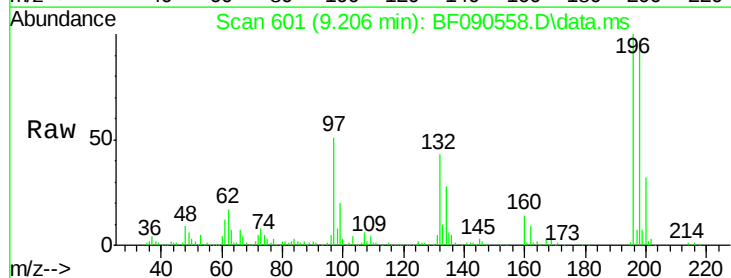
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

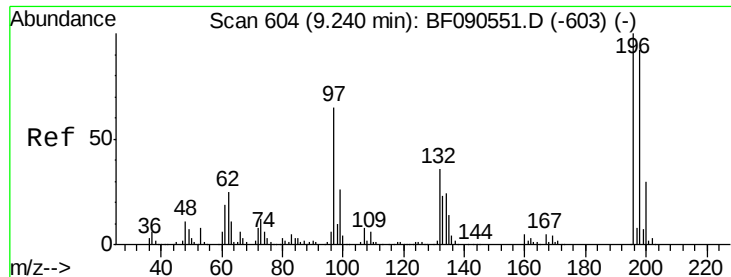
Tot Ion:330 Resp: 642018
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.2 114.2
 141 32.7 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 41.39 ng
 RT: 9.206 min Scan# 601
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:196 Resp: 377775
 Ion Ratio Lower Upper
 196 100
 198 97.4 77.9 116.9
 200 32.1 25.1 37.7

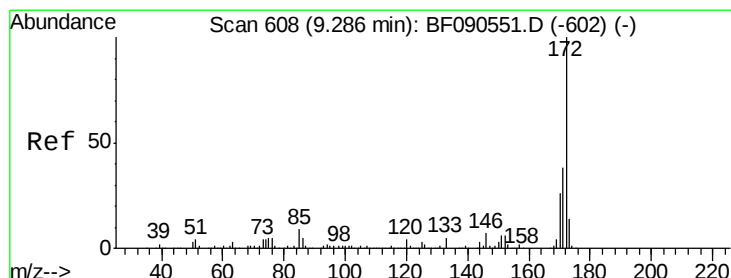
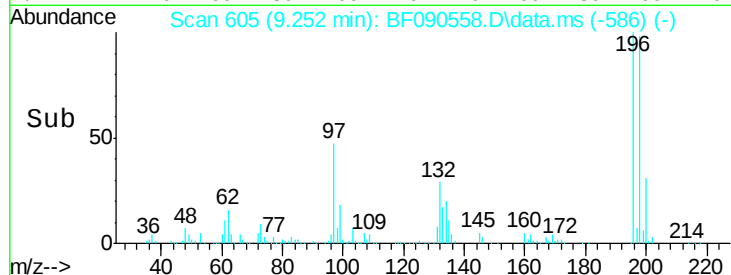
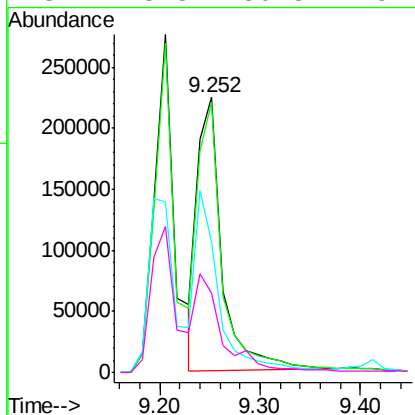
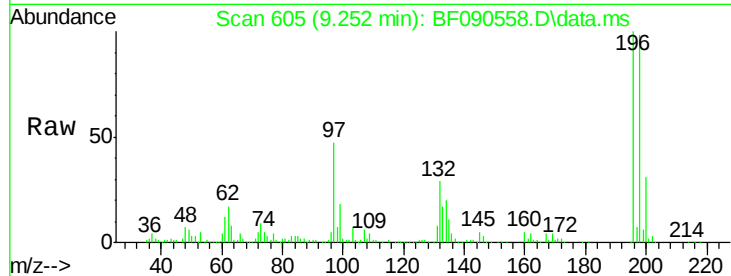




#43
 2,4,5-Trichlorophenol
 Concen: 35.20 ng
 RT: 9.252 min Scan# 60
 Delta R.T. 0.012 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

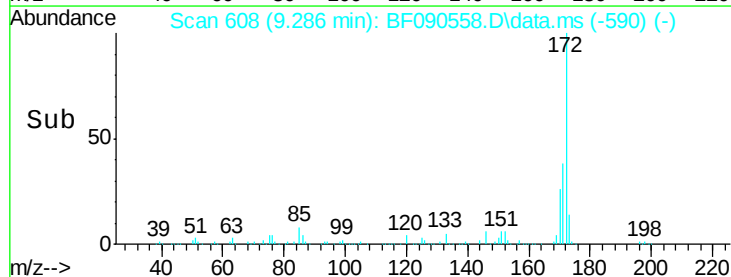
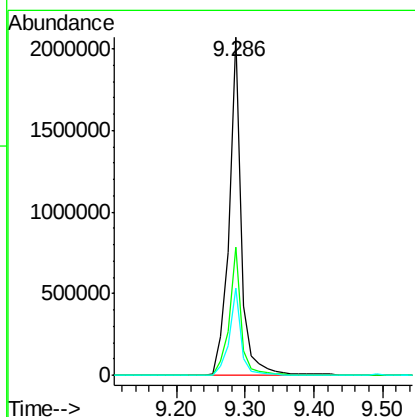
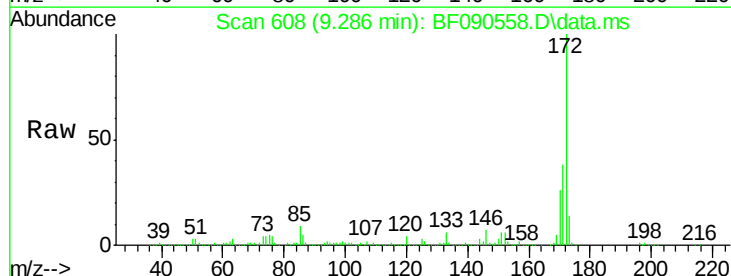
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

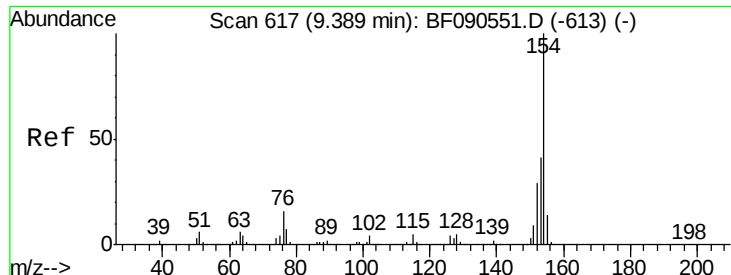
Tot Ion:196 Resp: 383261
 Ion Ratio Lower Upper
 196 100
 198 98.3 74.0 111.0
 97 47.4 54.7 82.1#
 132 28.8 30.5 45.7#



#44
 2-Fluorobiphenyl
 Concen: 70.67 ng
 RT: 9.286 min Scan# 608
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:172 Resp: 2617124
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.1 45.1
 170 25.9 20.6 30.8

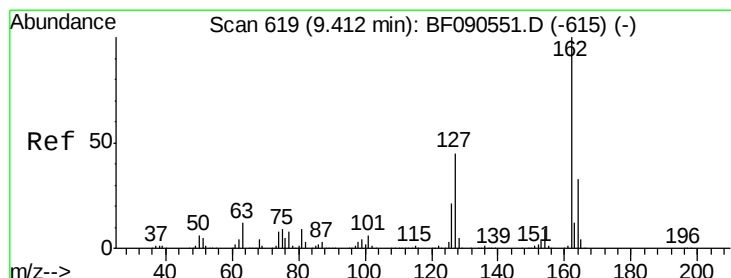
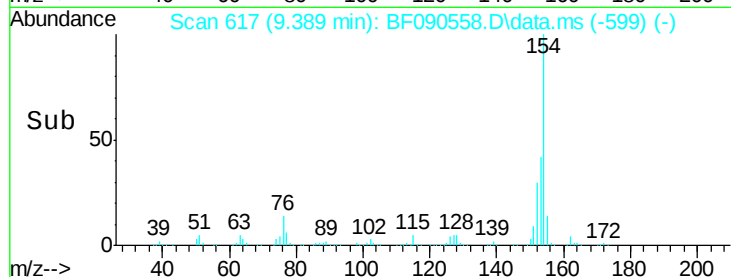
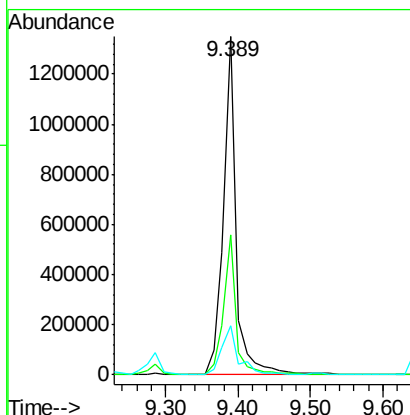
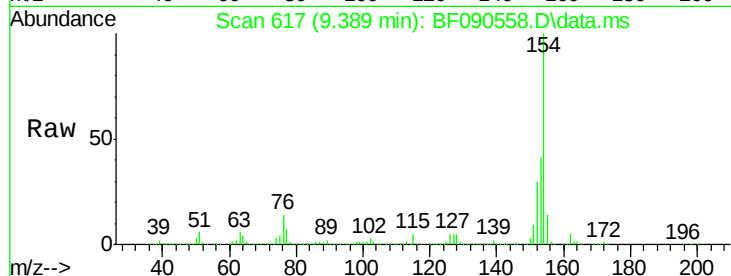




#45
 1,1'-Biphenyl
 Concen: 35.36 ng
 RT: 9.389 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

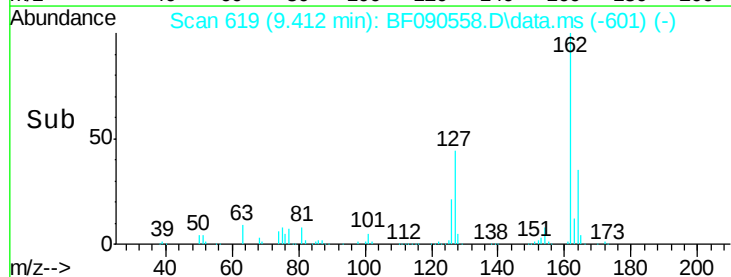
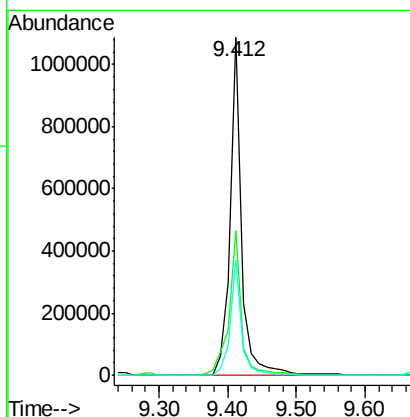
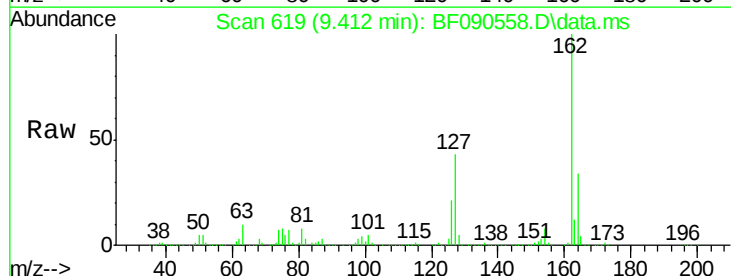
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

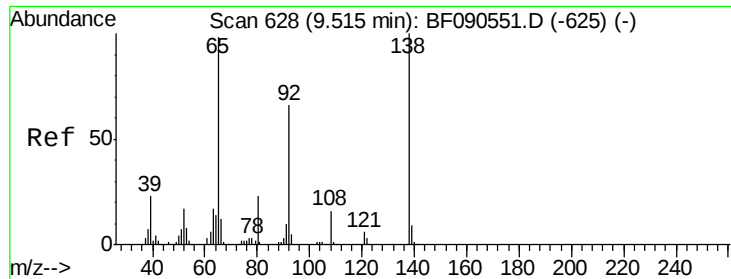
Tot Ion:154 Resp: 1641976
 Ion Ratio Lower Upper
 154 100
 153 41.5 21.5 61.5
 76 14.5 0.0 36.0



#46
 2-Chloronaphthalene
 Concen: 37.10 ng
 RT: 9.412 min Scan# 619
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:162 Resp: 1284600
 Ion Ratio Lower Upper
 162 100
 127 42.8 35.9 53.9
 164 34.1 26.7 40.1





#47

2-Nitroaniline

Concen: 36.13 ng

RT: 9.515 min Scan# 62

Delta R.T. 0.001 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

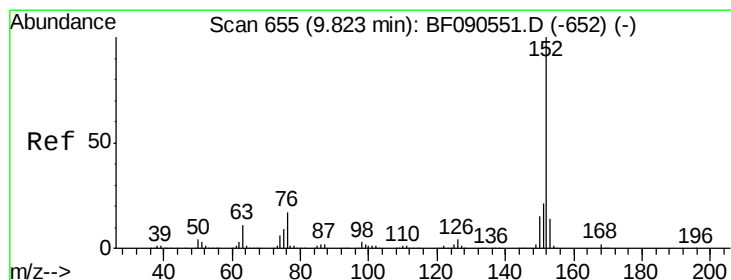
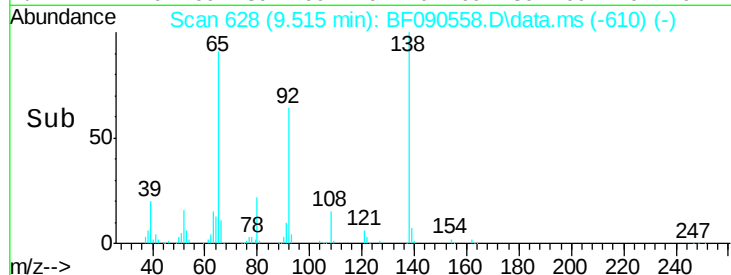
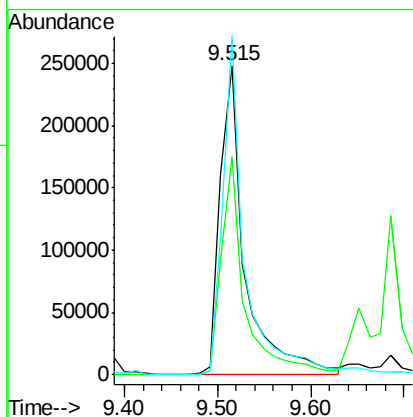
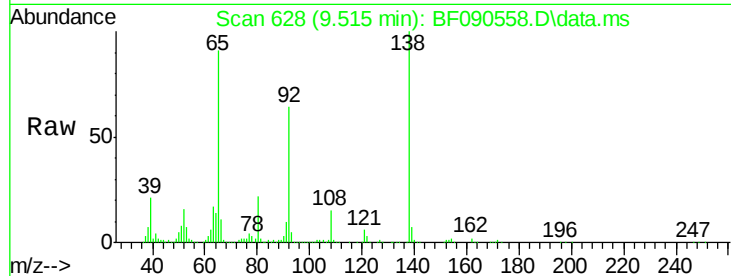
Tot Ion: 65 Resp: 453479

Ion Ratio Lower Upper

65 100

92 70.6 54.3 81.5

138 109.5 81.7 122.5



#48

Acenaphthylene

Concen: 33.43 ng

RT: 9.823 min Scan# 655

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

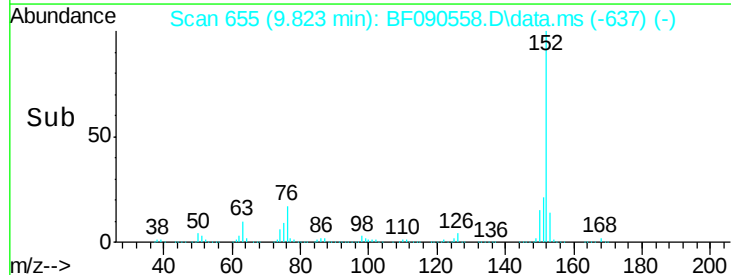
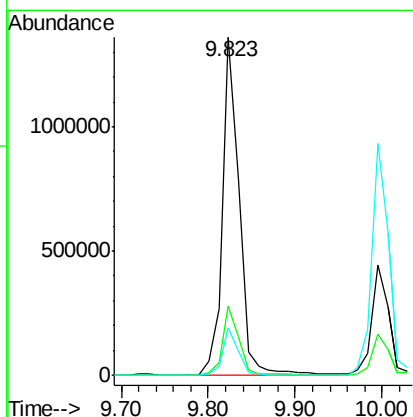
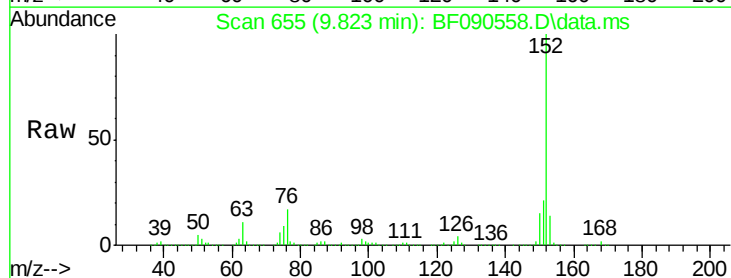
Tgt Ion: 152 Resp: 1843066

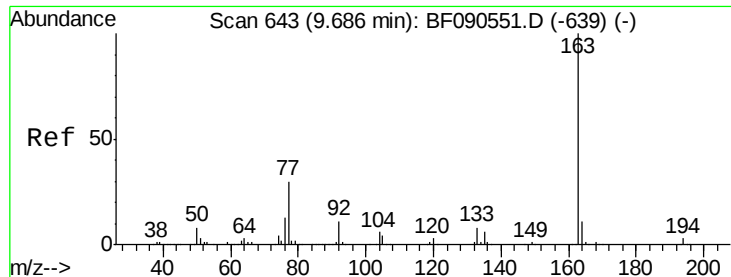
Ion Ratio Lower Upper

152 100

151 20.6 16.6 25.0

153 14.2 11.3 16.9





#49

Dimethylphthalate

Concen: 34.11 ng

RT: 9.686 min Scan# 64

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

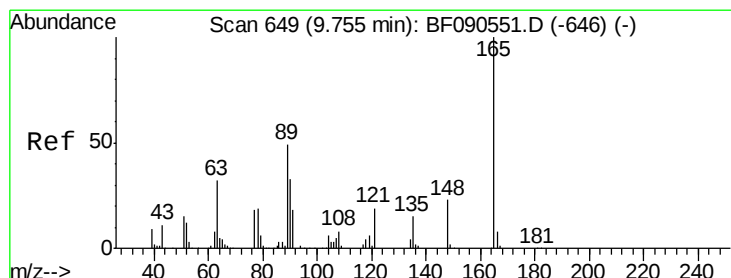
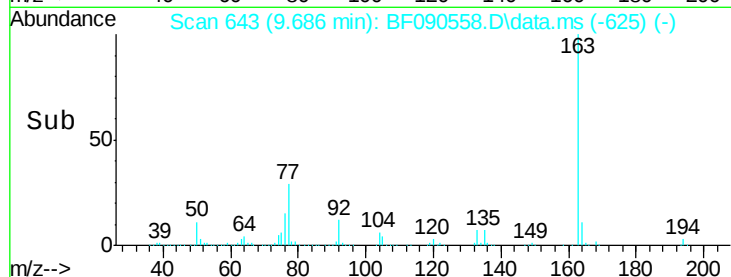
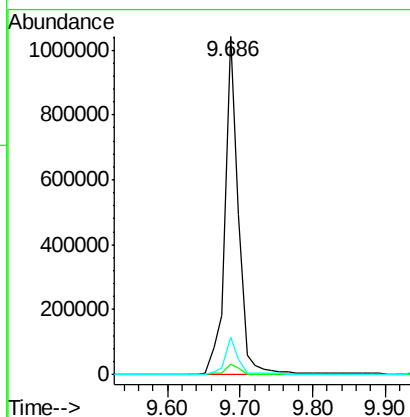
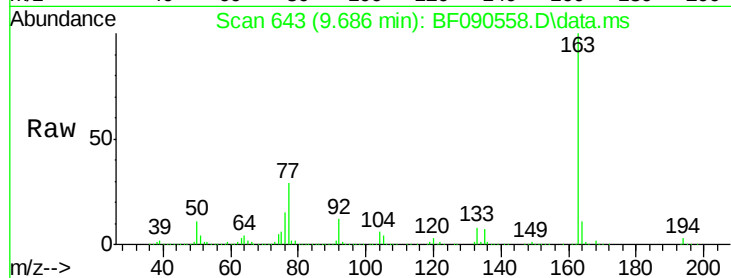
Tot Ion:163 Resp: 1350455

Ion Ratio Lower Upper

163 100

194 3.1 2.3 3.5

164 11.0 8.6 13.0



#50

2,6-Dinitrotoluene

Concen: 35.67 ng

RT: 9.755 min Scan# 649

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

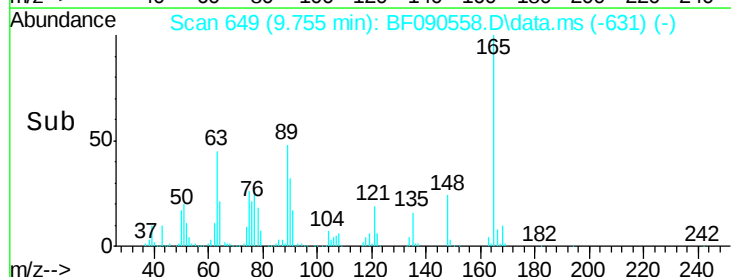
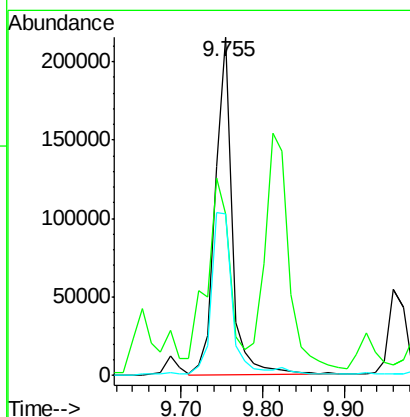
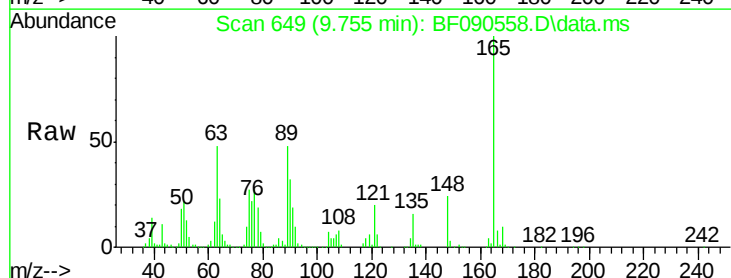
Tgt Ion:165 Resp: 308990

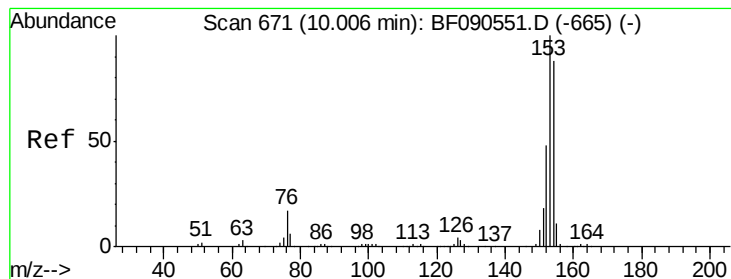
Ion Ratio Lower Upper

165 100

63 47.7 40.1 60.1

89 47.9 39.5 59.3





#51

Acenaphthene

Concen: 34.52 ng

RT: 9.995 min Scan# 671

Delta R.T. -0.011 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

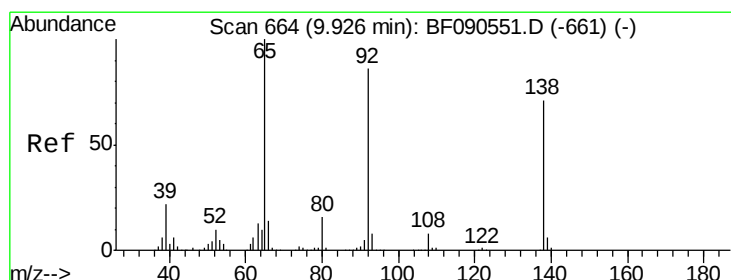
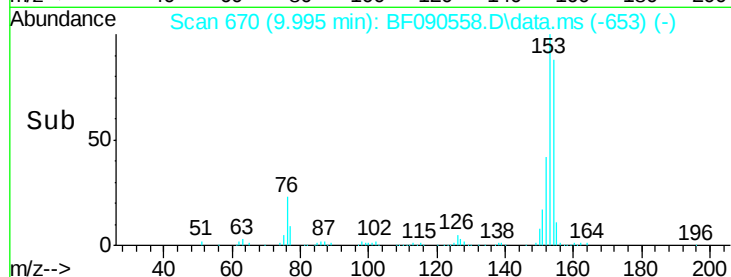
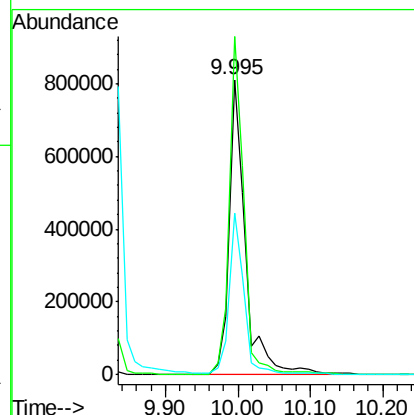
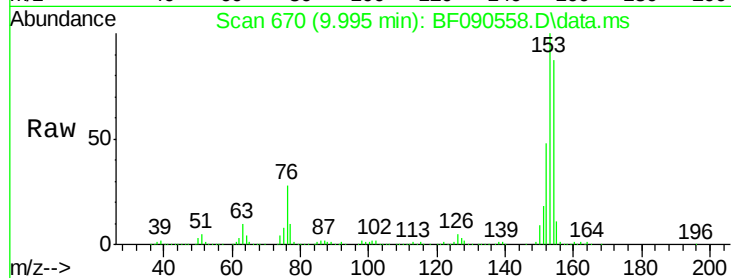
Tot Ion:154 Resp: 1264859

Ion Ratio Lower Upper

154 100

153 114.7 91.2 136.8

152 54.9 44.0 66.0



#52

3-Nitroaniline

Concen: 20.67 ng

RT: 9.926 min Scan# 664

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

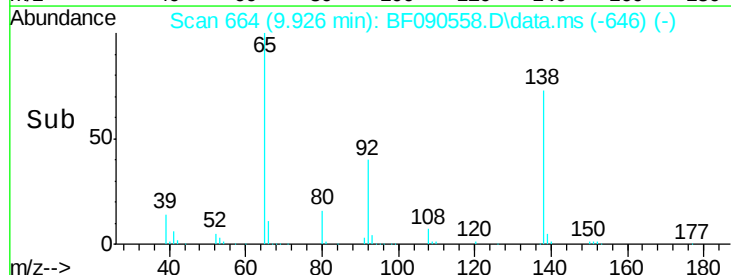
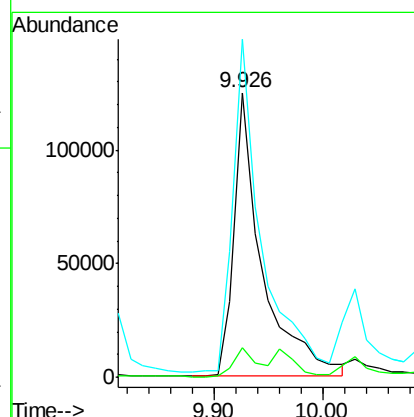
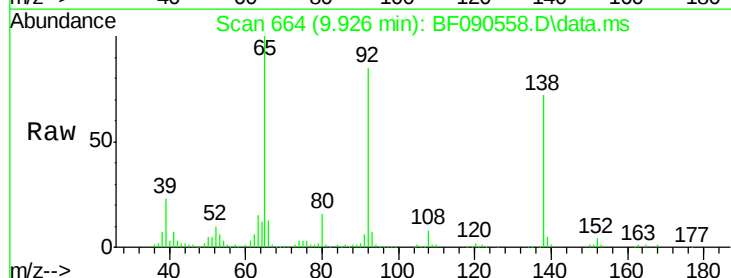
Tgt Ion:138 Resp: 224660

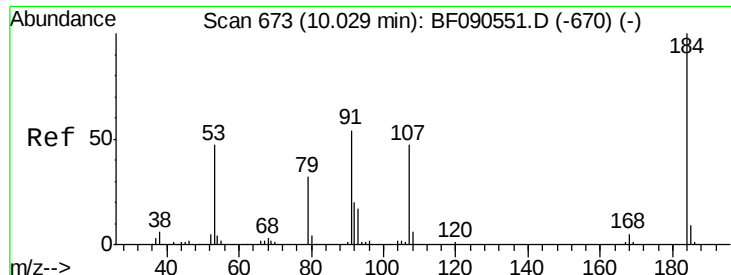
Ion Ratio Lower Upper

138 100

108 10.6 8.6 12.8

92 118.8 97.8 146.8

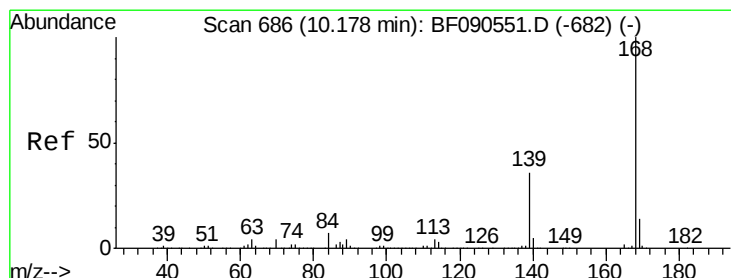
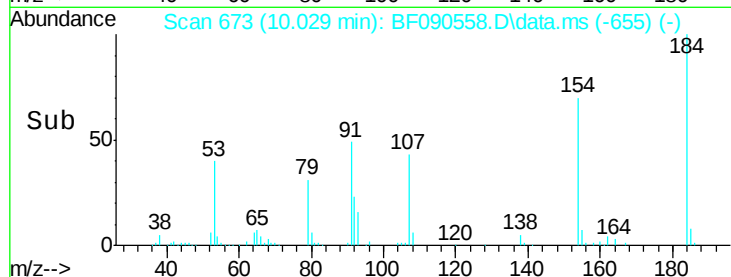
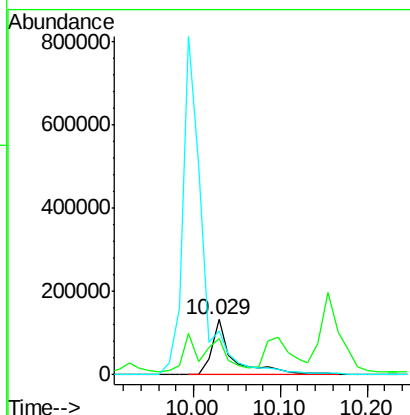
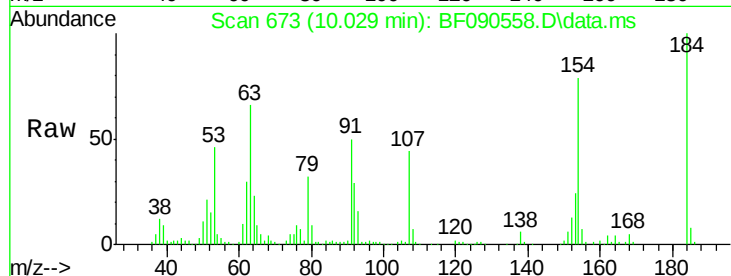




#53
 2,4-Dinitrophenol
 Concen: 49.28 ng
 RT: 10.029 min Scan# 67
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

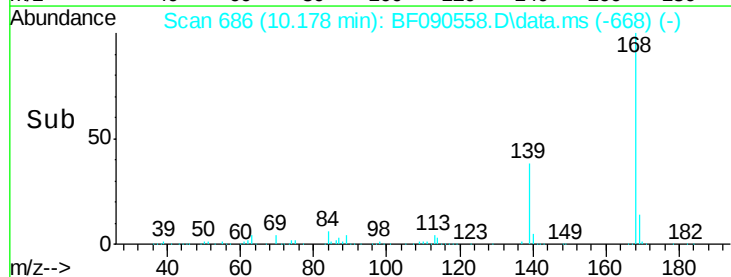
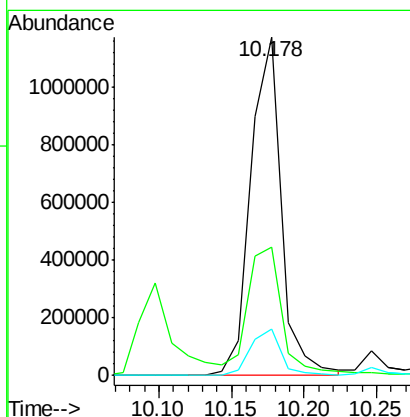
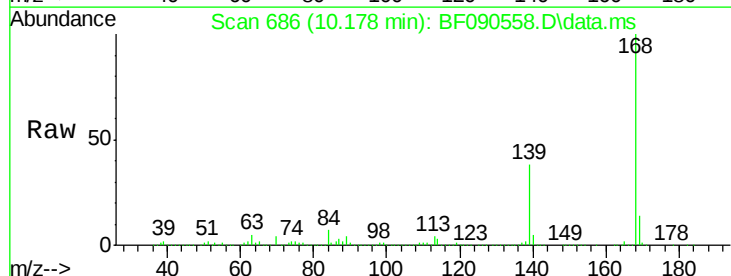
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

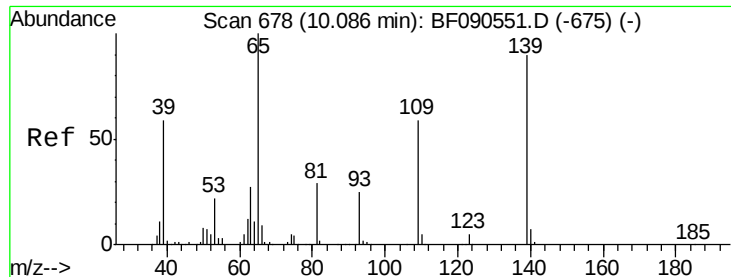
Tot Ion:184 Resp: 220756
 Ion Ratio Lower Upper
 184 100
 63 65.6 60.2 90.2
 154 79.1 86.1 129.1#



#54
 Dibenzofuran
 Concen: 35.46 ng
 RT: 10.178 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:168 Resp: 1709378
 Ion Ratio Lower Upper
 168 100
 139 37.8 30.5 45.7
 169 13.7 10.9 16.3





#55

4-Nitrophenol

Concen: 79.92 ng

RT: 10.098 min Scan# 67

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

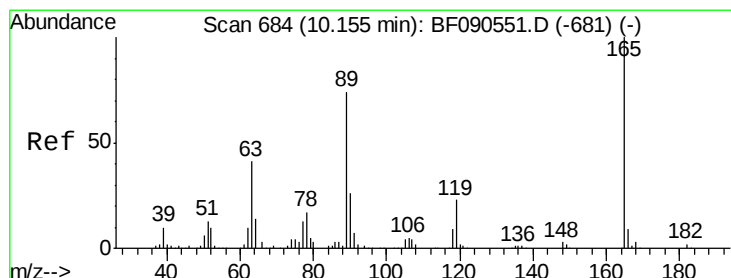
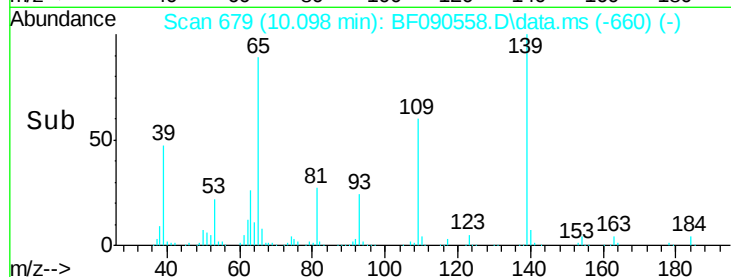
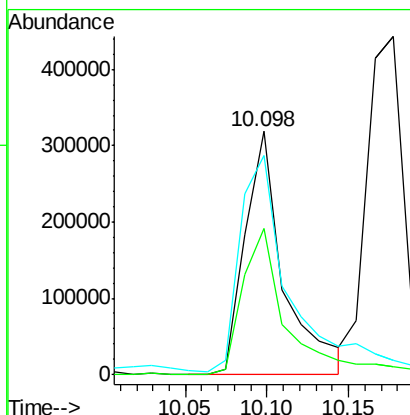
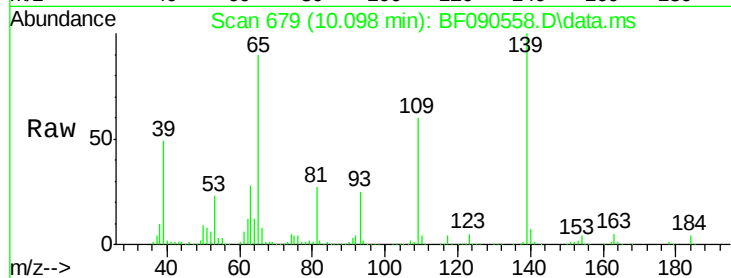
Tot Ion:139 Resp: 522859

Ion Ratio Lower Upper

139 100

109 59.9 45.9 85.9

65 90.0 95.8 135.8#



#56

2,4-Dinitrotoluene

Concen: 38.20 ng

RT: 10.155 min Scan# 684

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Tgt Ion:165 Resp: 449532

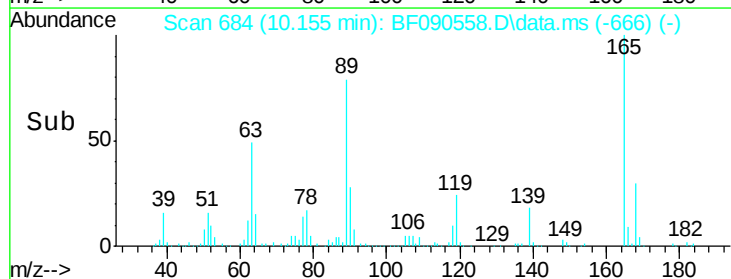
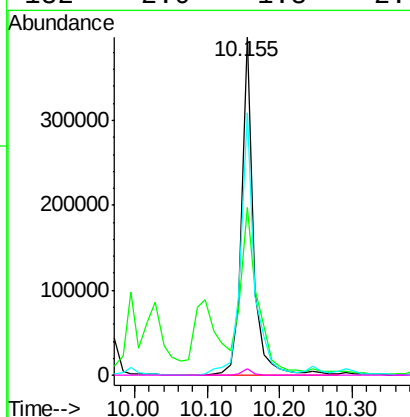
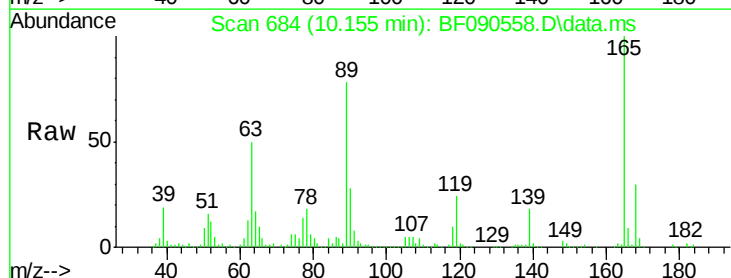
Ion Ratio Lower Upper

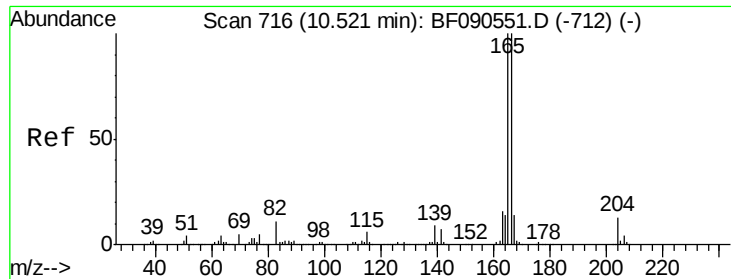
165 100

63 49.6 35.4 53.0

89 77.6 59.0 88.4

182 2.0 1.8 2.6

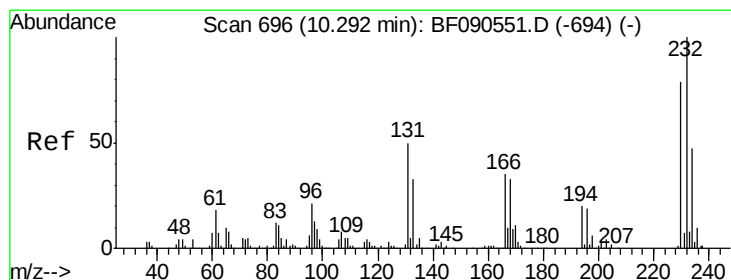
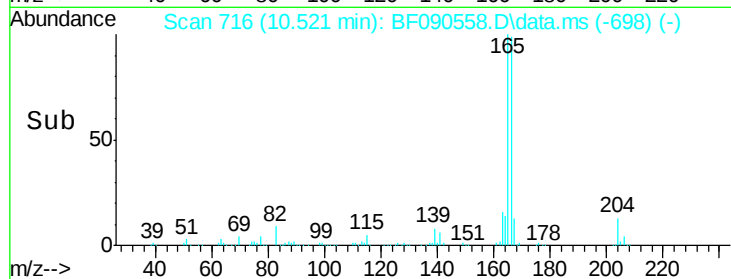
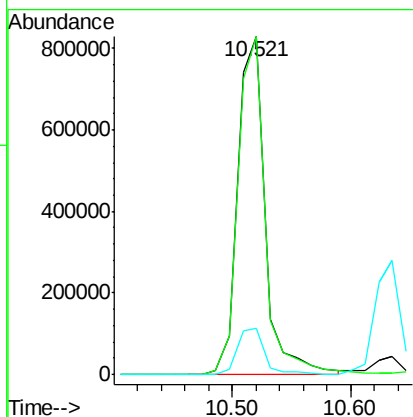
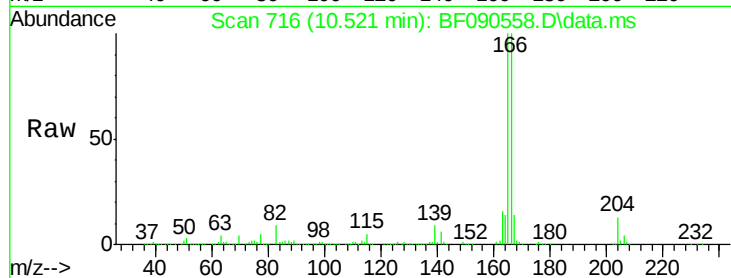




#57
 Fluorene
 Concen: 33.42 ng
 RT: 10.521 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

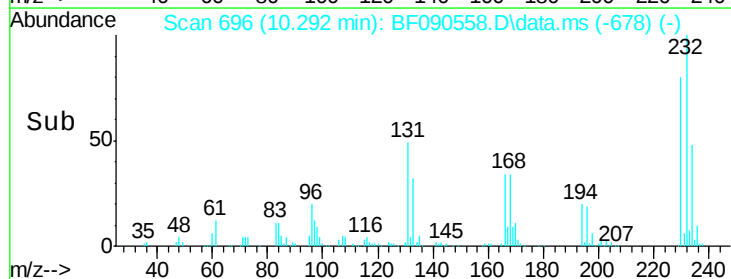
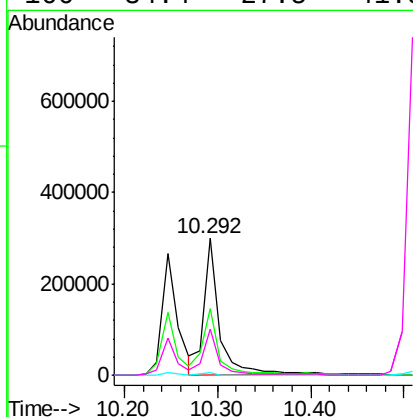
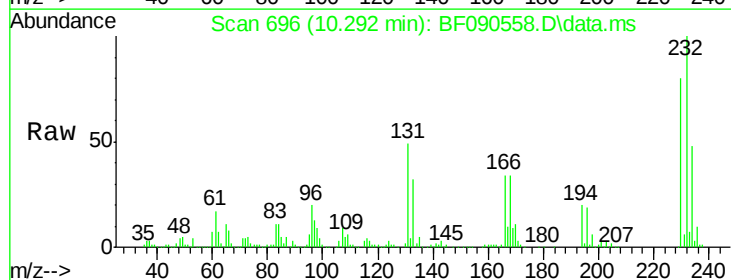
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

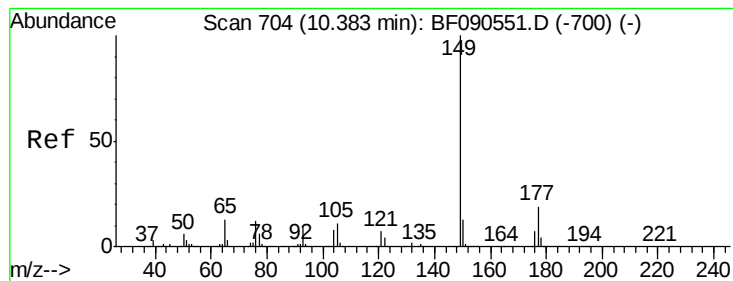
Tot Ion:166 Resp: 1329079
 Ion Ratio Lower Upper
 166 100
 165 99.9 79.9 119.9
 167 13.5 10.9 16.3



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 38.39 ng
 RT: 10.292 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:232 Resp: 348124
 Ion Ratio Lower Upper
 232 100
 131 52.3 42.6 64.0
 130 2.0 1.8 2.8
 166 34.4 27.5 41.3





#59

Diethylphthalate

Concen: 36.39 ng

RT: 10.395 min Scan# 704

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

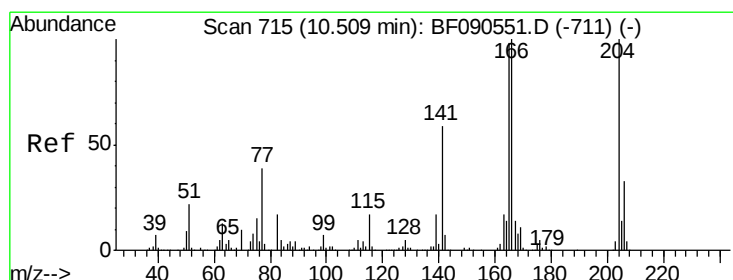
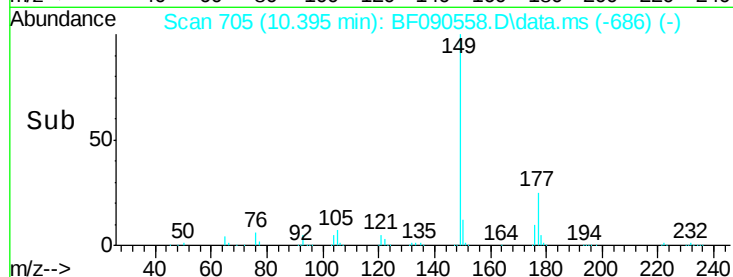
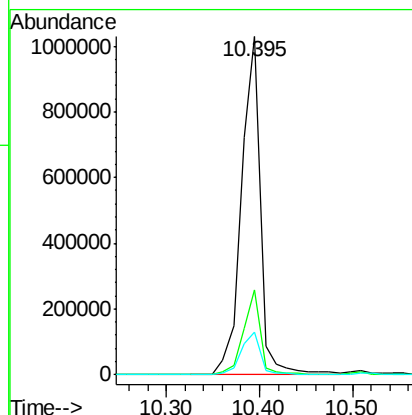
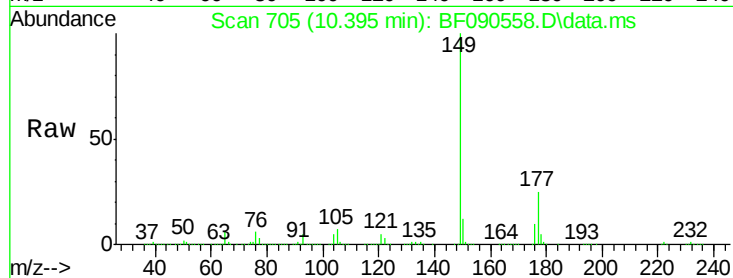
Tot Ion:149 Resp: 1461125

Ion Ratio Lower Upper

149 100

177 24.9 15.3 22.9#

150 12.5 10.3 15.5



#60

4-Chlorophenyl-phenylether

Concen: 36.09 ng

RT: 10.509 min Scan# 715

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

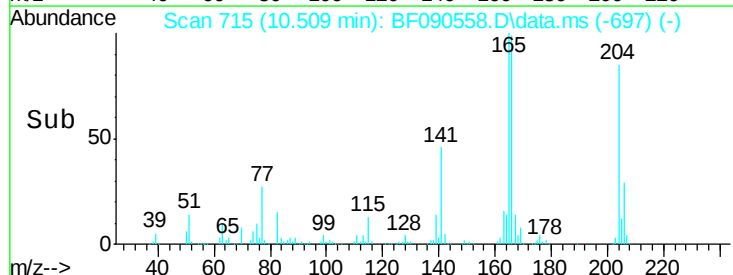
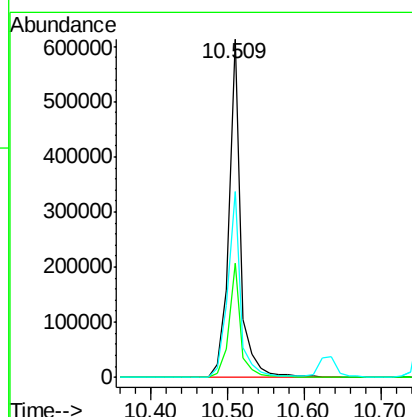
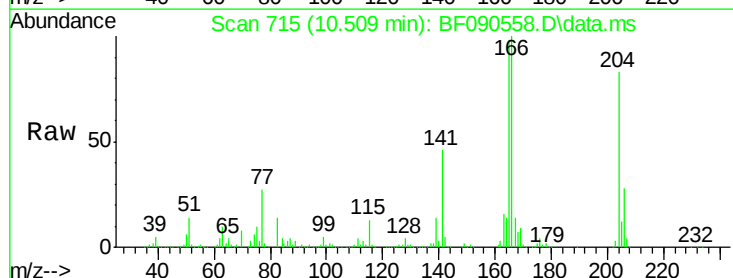
Tgt Ion:204 Resp: 676549

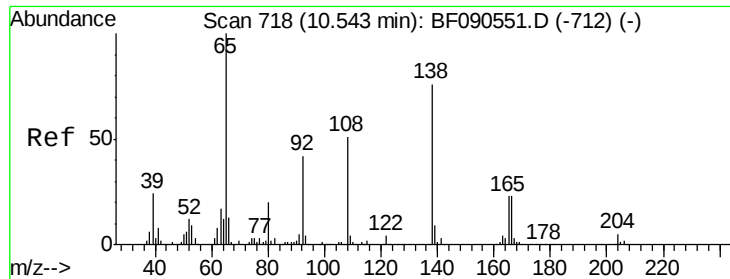
Ion Ratio Lower Upper

204 100

206 33.7 26.5 39.7

141 55.0 47.2 70.8

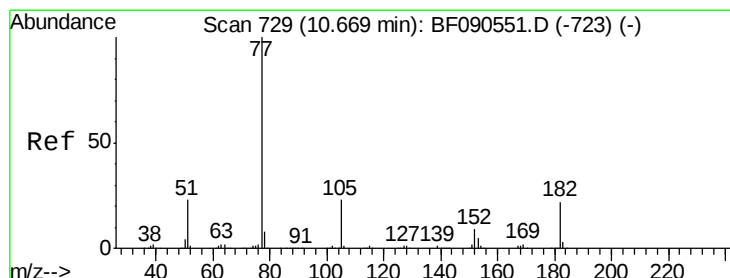
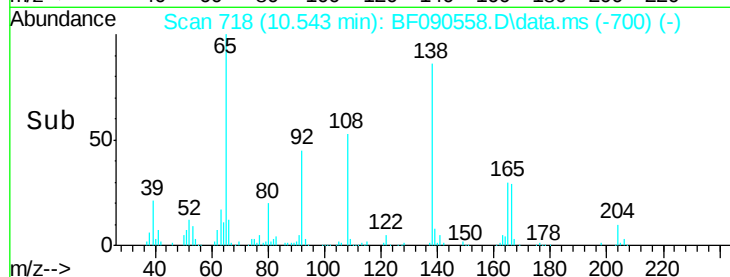
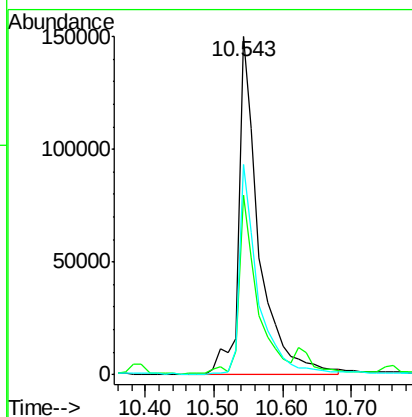
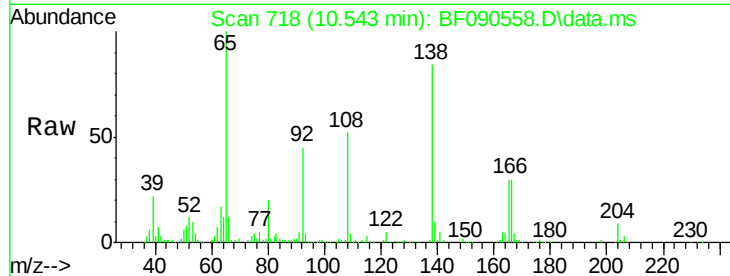




#61
4-Nitroaniline
Concen: 28.27 ng
RT: 10.543 min Scan# 718
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

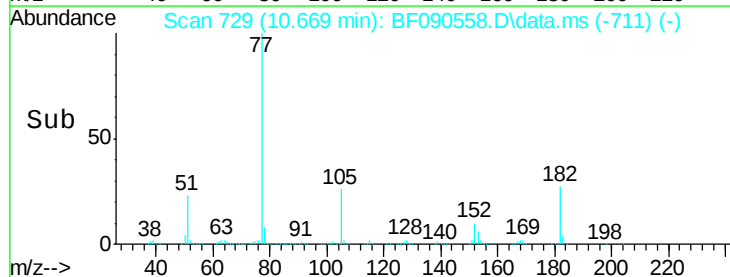
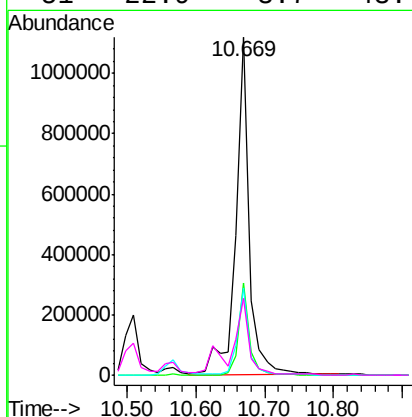
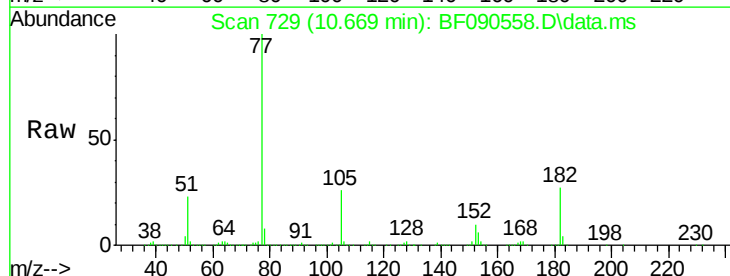
Instrument :
BNA_F
ClientSampleId :
PB94017BS

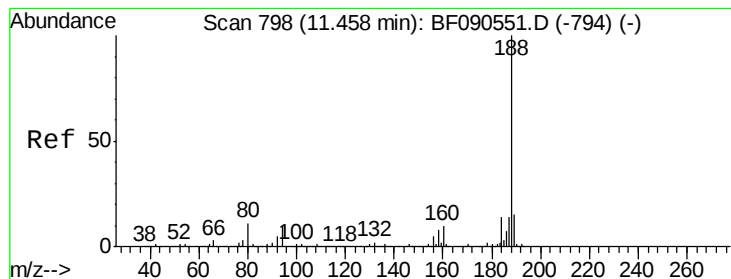
Tot Ion:138 Resp: 308169
Ion Ratio Lower Upper
138 100
92 53.1 35.7 75.7
108 62.1 46.9 86.9



#62
Azobenzene
Concen: 33.13 ng
RT: 10.669 min Scan# 729
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion: 77 Resp: 1538777
Ion Ratio Lower Upper
77 100
182 27.2 2.2 42.2
105 25.7 3.5 43.5
51 22.9 3.7 43.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.458 min Scan# 79

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

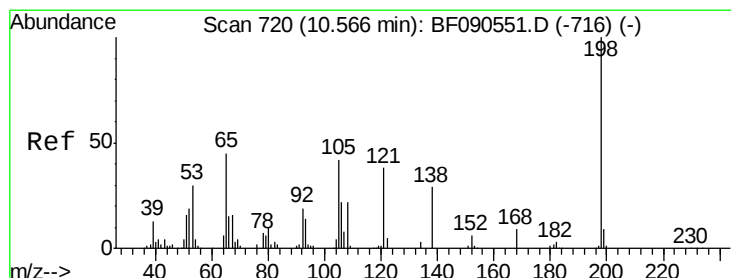
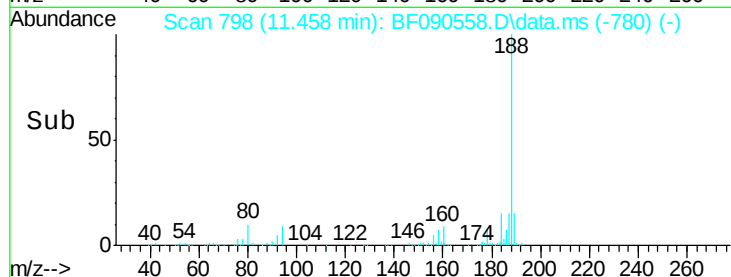
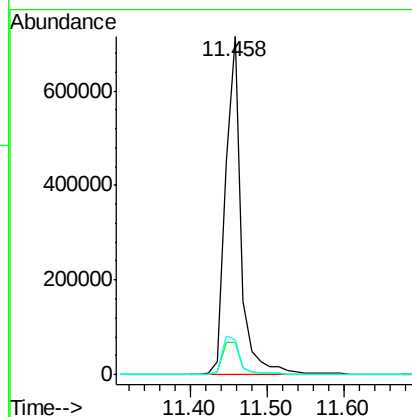
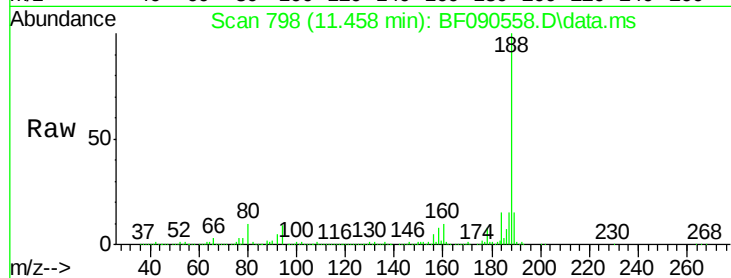
Tot Ion:188 Resp: 1020057

Ion Ratio Lower Upper

188 100

94 9.3 7.7 11.5

80 10.4 8.6 12.8



#64

4,6-Dinitro-2-methylphenol

Concen: 27.69 ng

RT: 10.566 min Scan# 720

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

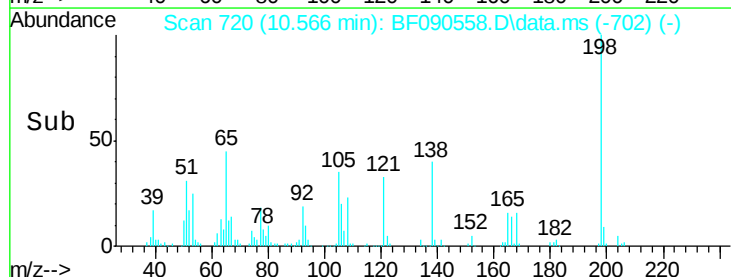
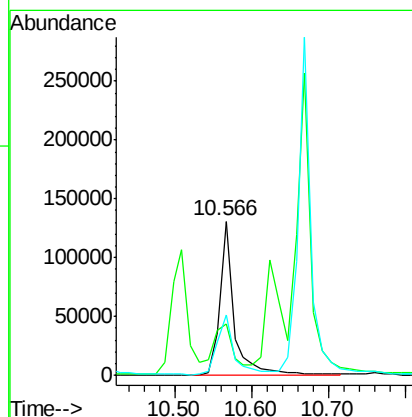
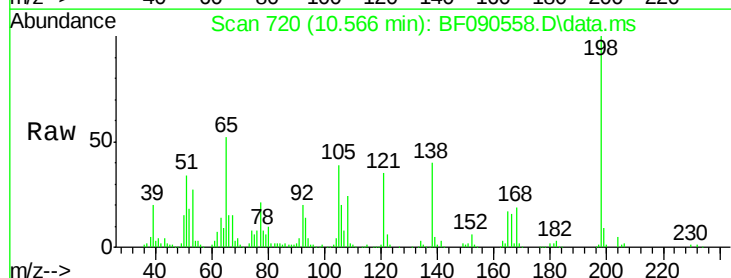
Tgt Ion:198 Resp: 170930

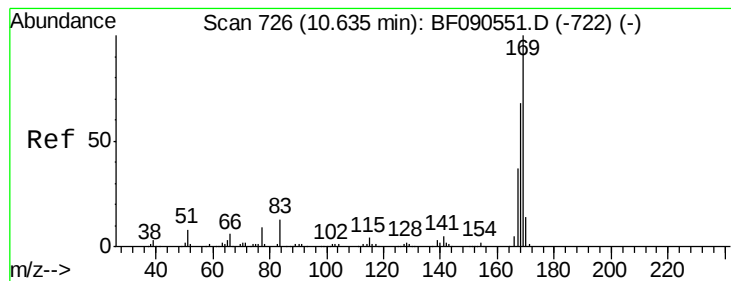
Ion Ratio Lower Upper

198 100

51 33.5 19.7 59.7

105 39.1 22.6 62.6





#65

n-Nitrosodiphenylamine

Concen: 34.11 ng

RT: 10.635 min Scan# 72

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

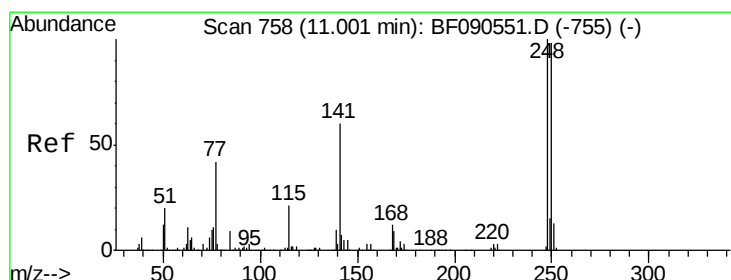
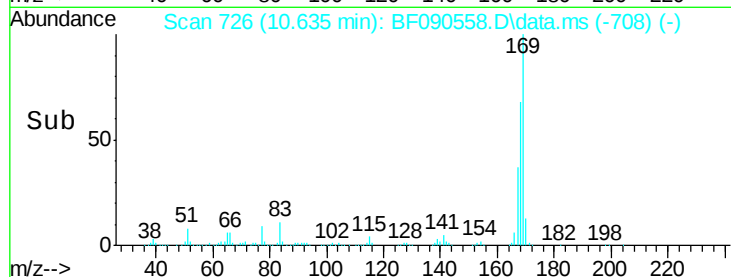
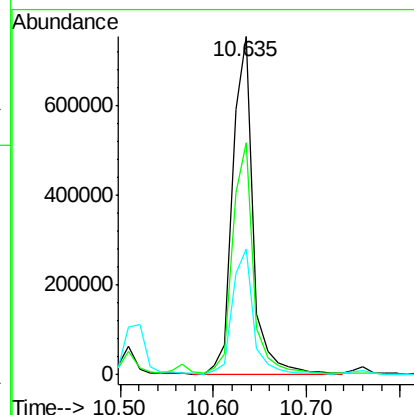
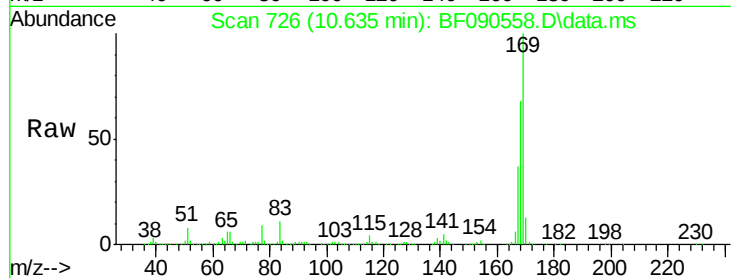
Tot Ion:169 Resp: 1149306

Ion Ratio Lower Upper

169 100

168 68.4 54.6 81.8

167 37.1 29.8 44.8



#66

4-Bromophenyl-phenylether

Concen: 37.81 ng

RT: 11.001 min Scan# 758

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

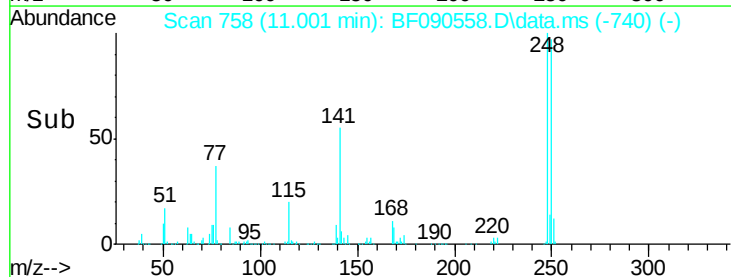
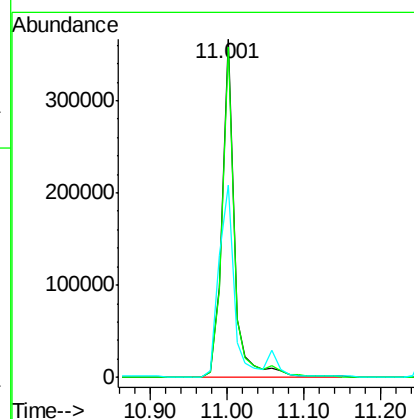
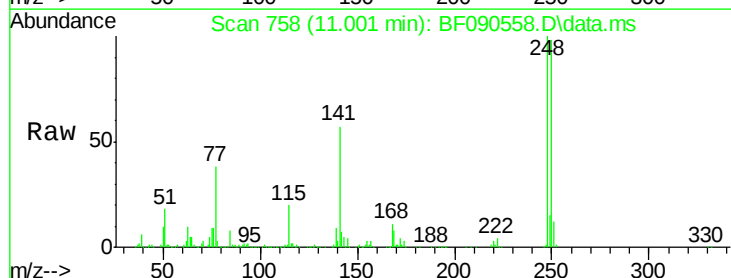
Tgt Ion:248 Resp: 413843

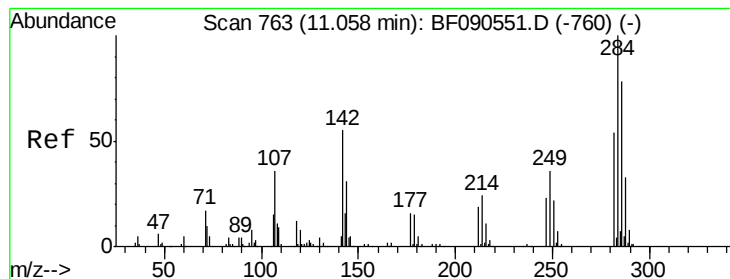
Ion Ratio Lower Upper

248 100

250 97.7 78.4 117.6

141 56.8 48.4 72.6





#67

Hexachlorobenzene

Concen: 34.32 ng

RT: 11.058 min Scan# 76

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

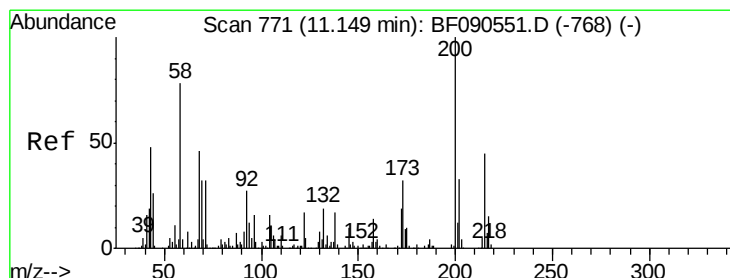
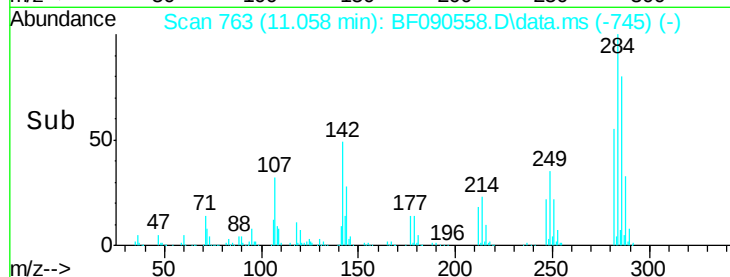
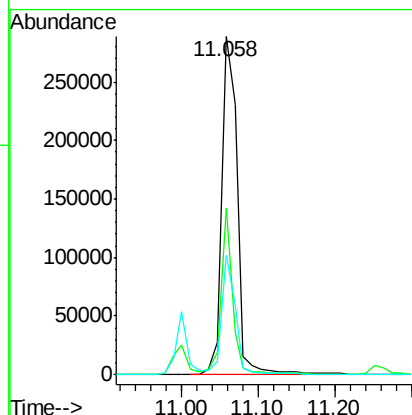
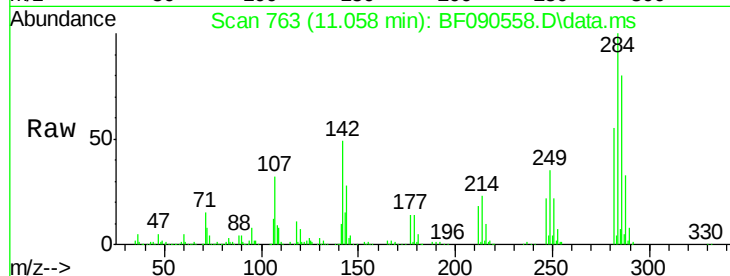
Tot Ion:284 Resp: 407891

Ion Ratio Lower Upper

284 100

142 49.4 44.5 66.7

249 35.3 29.6 44.4



#68

Atrazine

Concen: 38.51 ng

RT: 11.161 min Scan# 772

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

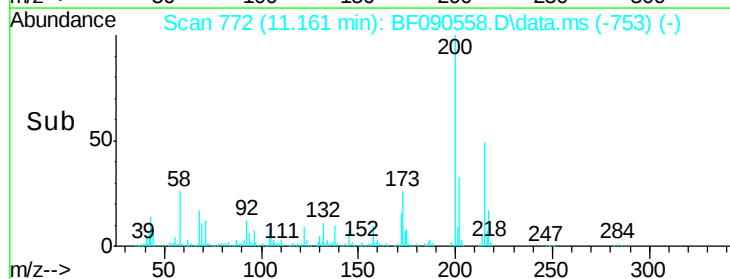
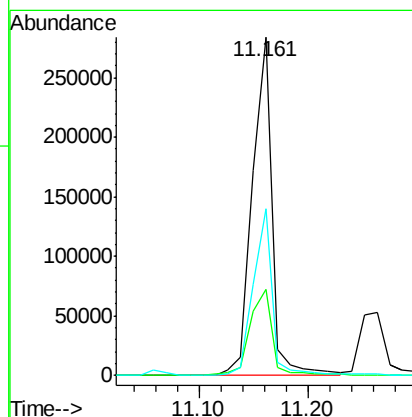
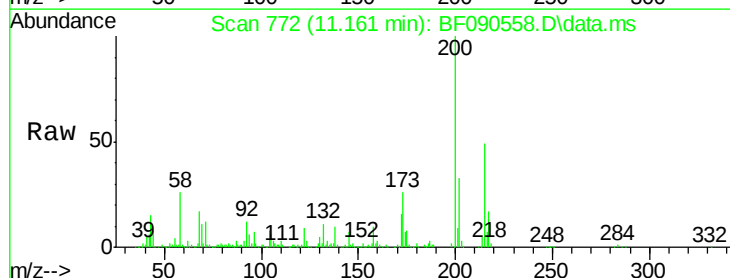
Tgt Ion:200 Resp: 358892

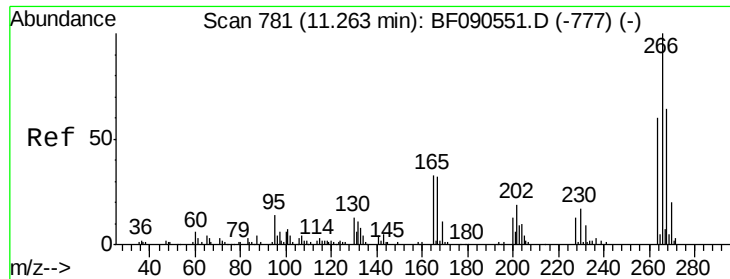
Ion Ratio Lower Upper

200 100

173 25.5 12.0 52.0

215 49.2 25.2 65.2

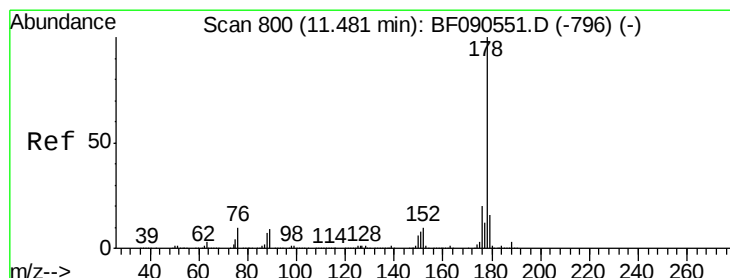
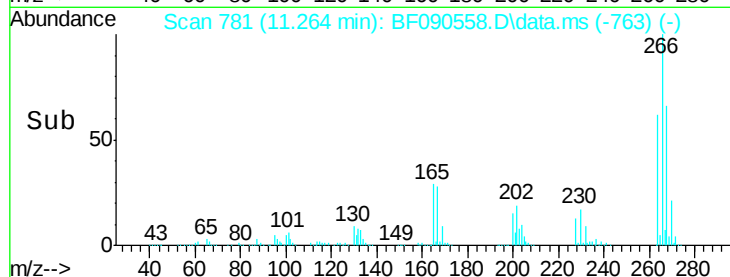
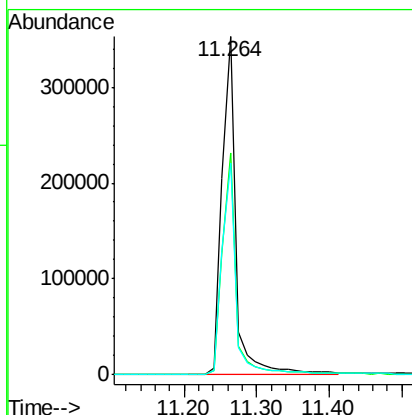
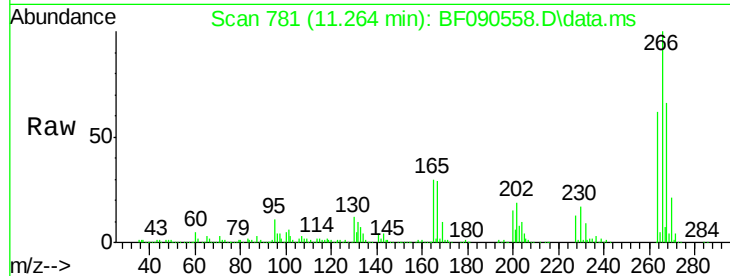




#69
 Pentachlorophenol
 Concen: 80.09 ng
 RT: 11.264 min Scan# 781
 Delta R.T. 0.001 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

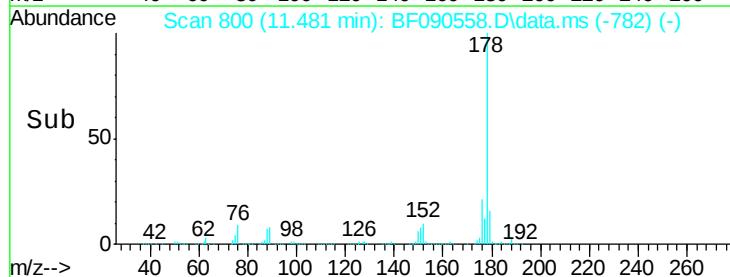
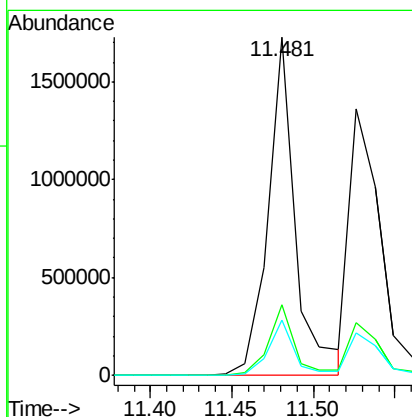
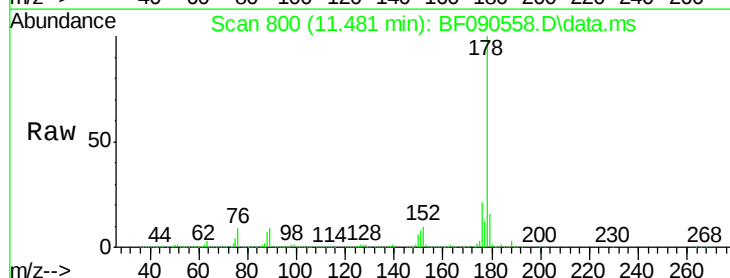
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

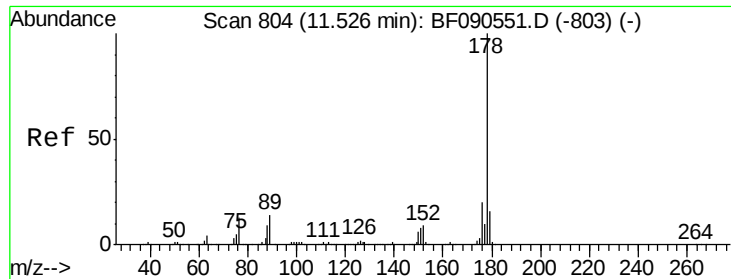
Tot Ion:266 Resp: 471729
 Ion Ratio Lower Upper
 266 100
 268 65.5 51.5 77.3
 264 62.5 47.9 71.9



#70
 Phenanthrene
 Concen: 37.16 ng
 RT: 11.481 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:178 Resp: 2023244
 Ion Ratio Lower Upper
 178 100
 176 20.7 16.1 24.1
 179 16.4 12.6 19.0

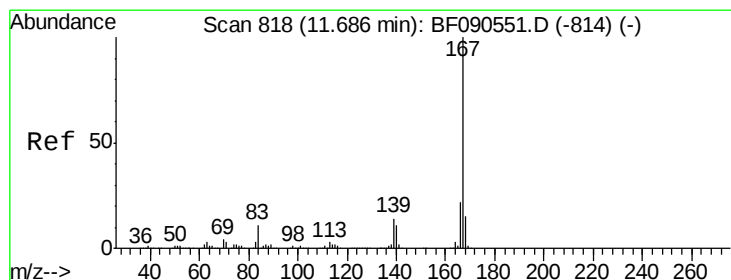
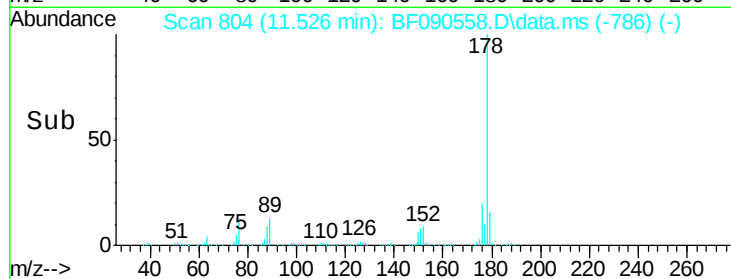
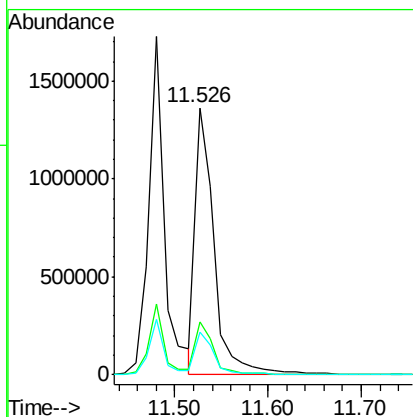
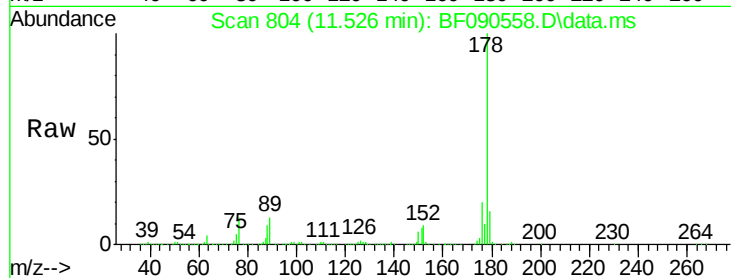




#71
 Anthracene
 Concen: 32.52 ng
 RT: 11.526 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

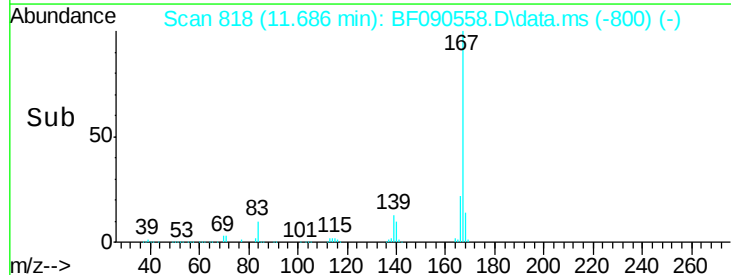
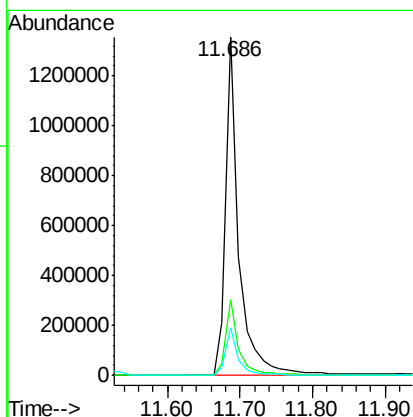
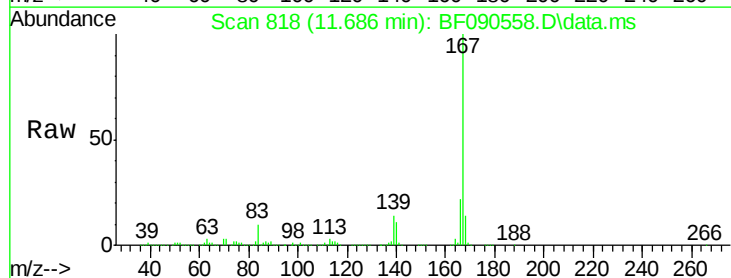
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

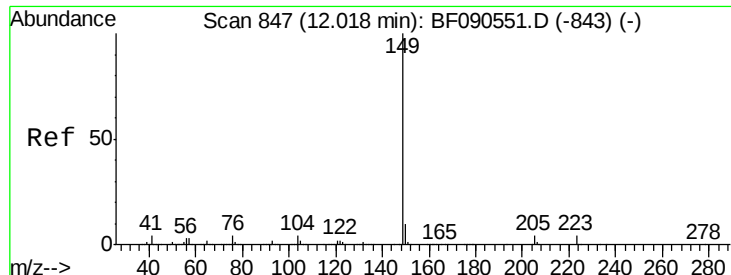
Tot Ion:178 Resp: 1905753
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.5 23.3
 179 16.1 13.0 19.4



#72
 Carbazole
 Concen: 32.86 ng
 RT: 11.686 min Scan# 818
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:167 Resp: 1723755
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.8 26.8
 139 14.0 11.3 16.9





#73

Di-n-butylphthalate

Concen: 35.89 ng

RT: 12.018 min Scan# 84

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

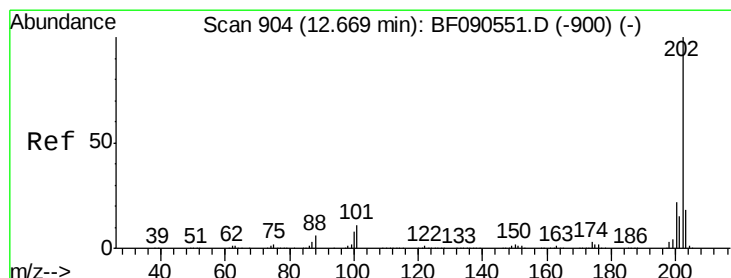
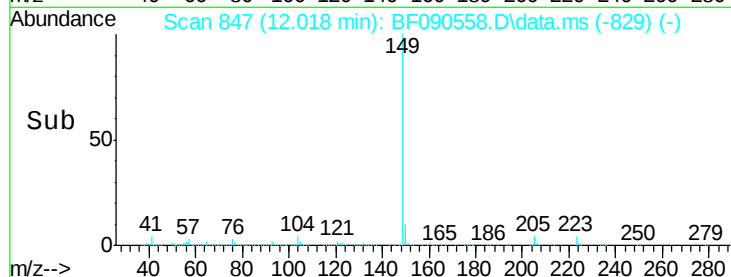
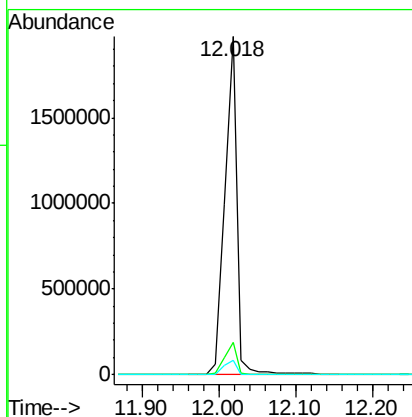
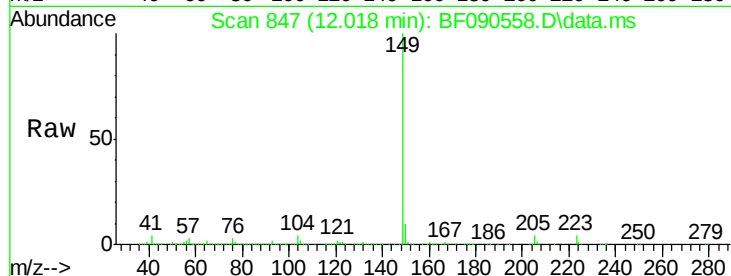
Tot Ion:149 Resp: 2205656

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

104 4.1 3.3 4.9



#74

Fluoranthene

Concen: 36.41 ng

RT: 12.669 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

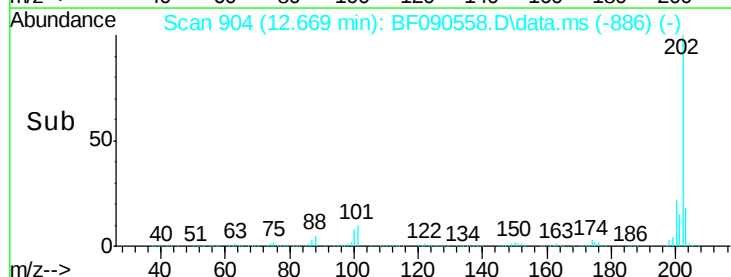
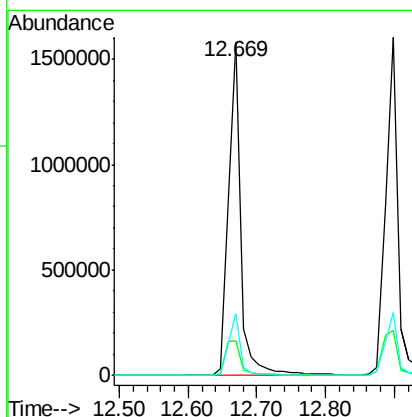
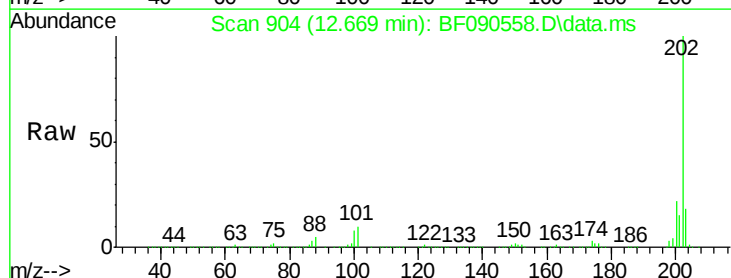
Tgt Ion:202 Resp: 1993898

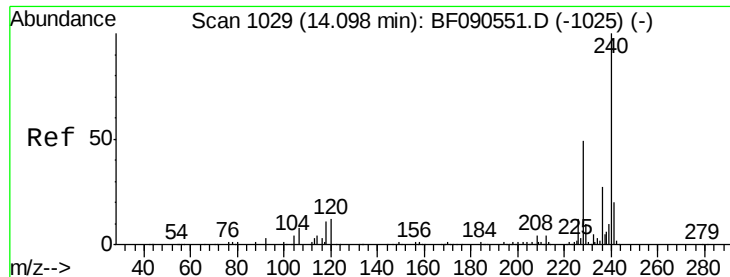
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.1

203 18.3 0.0 38.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.098 min Scan# 10

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

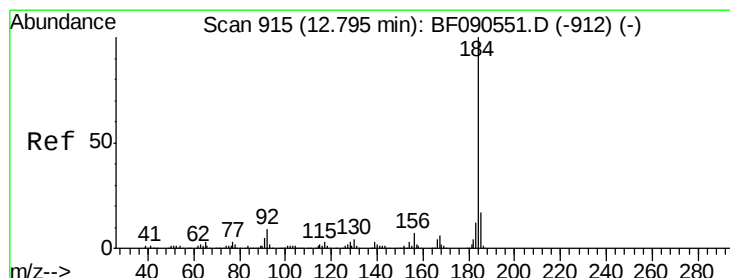
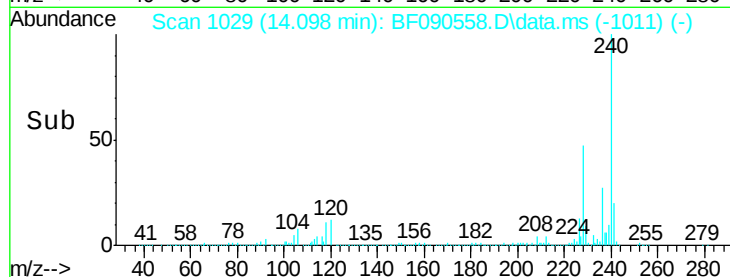
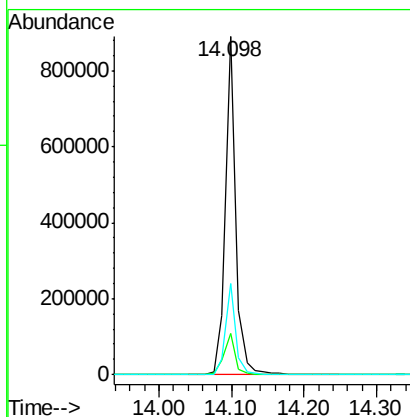
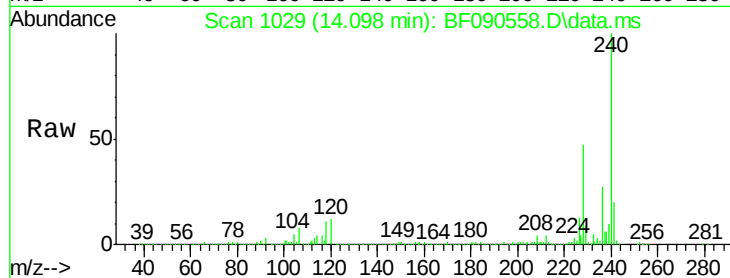
Tot Ion:240 Resp: 882468

Ion Ratio Lower Upper

240 100

120 12.2 9.8 14.8

236 27.1 21.7 32.5



#76

Benzidine

Concen: 6.02 ng

RT: 12.795 min Scan# 915

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

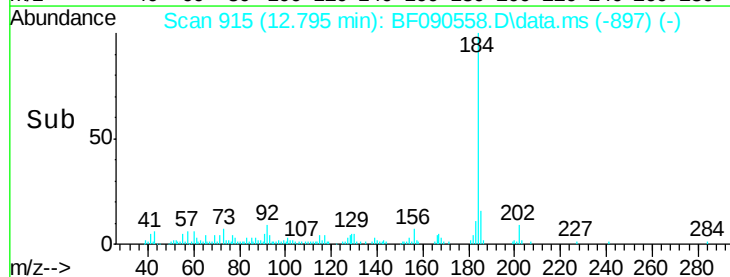
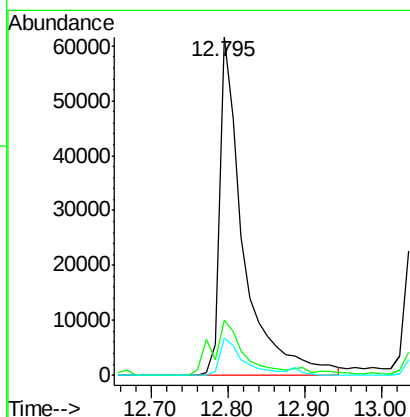
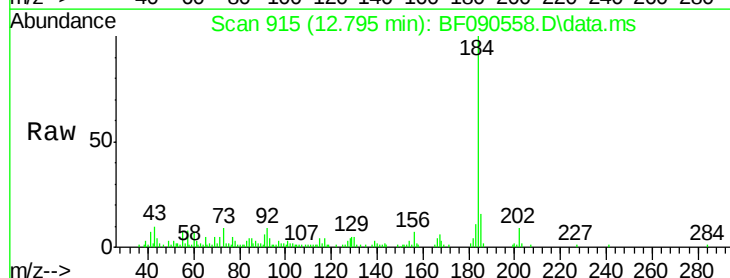
Tgt Ion:184 Resp: 132216

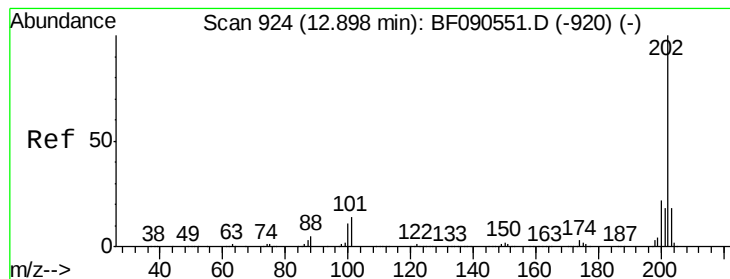
Ion Ratio Lower Upper

184 100

185 16.2 13.4 20.0

183 11.2 9.4 14.0





#77

Pvrene

Concen: 33.54 ng

RT: 12.898 min Scan# 92

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

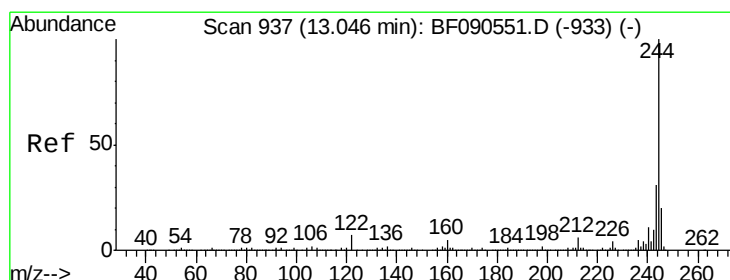
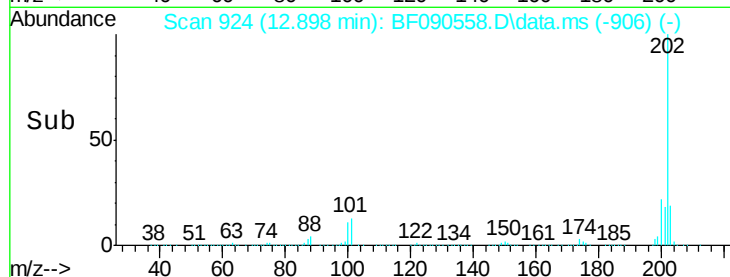
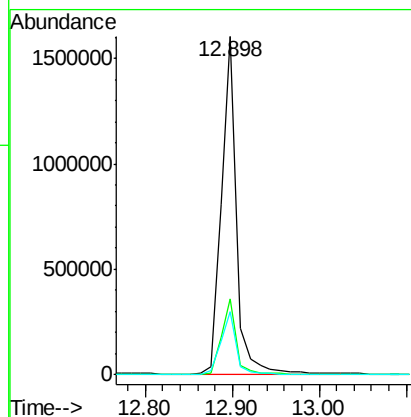
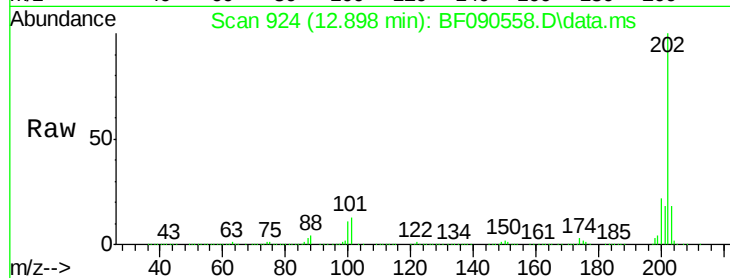
Tot Ion:202 Resp: 1960263

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.6

203 18.4 14.6 21.8



#78

Terphenyl-d14

Concen: 71.35 ng

RT: 13.047 min Scan# 937

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

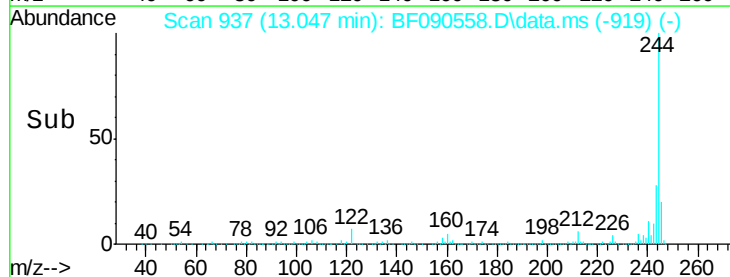
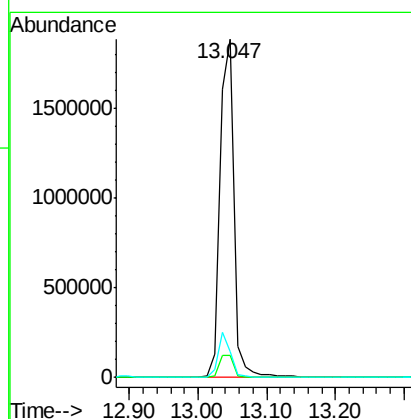
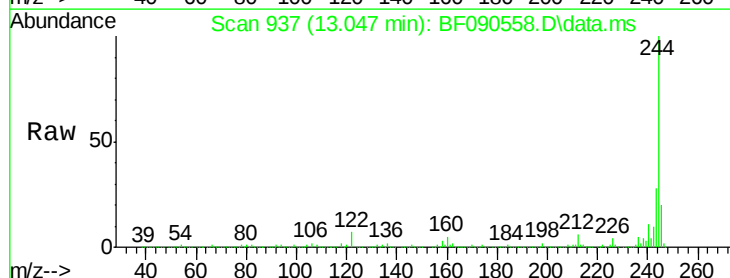
Tgt Ion:244 Resp: 2704285

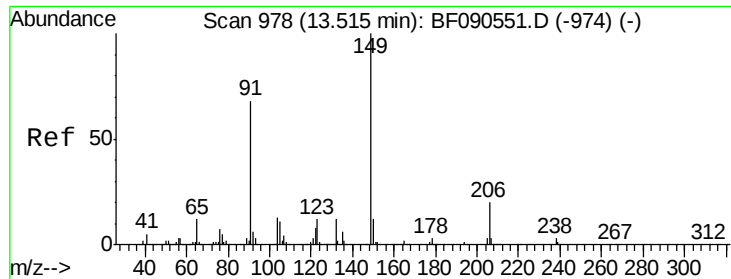
Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

122 7.5 5.6 8.4

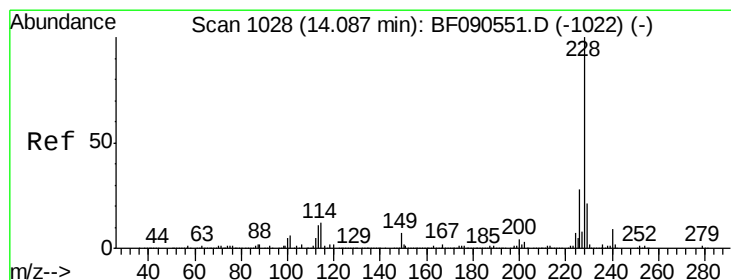
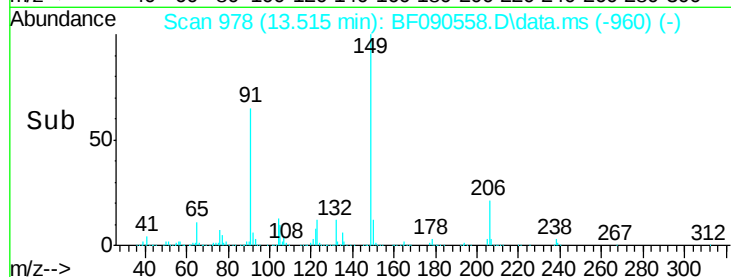
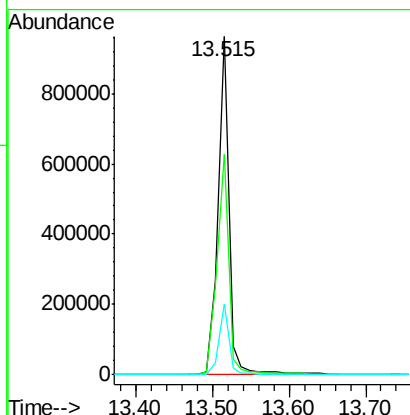
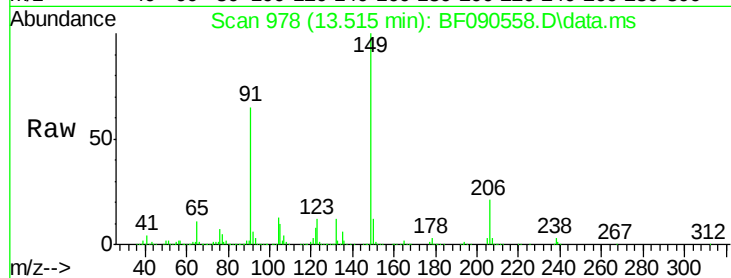




#79
Butylbenzylphthalate
Concen: 36.89 ng
RT: 13.515 min Scan# 97
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

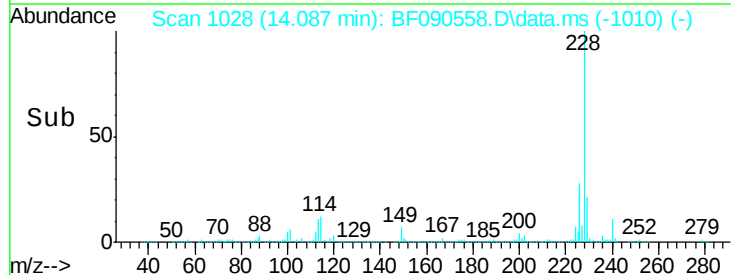
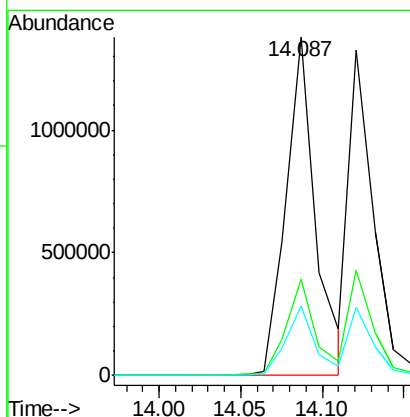
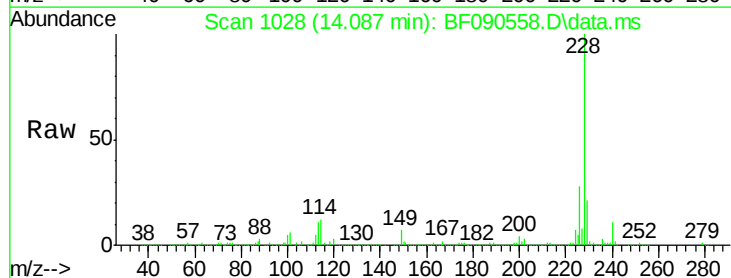
Instrument :
BNA_F
ClientSampleId :
PB94017BS

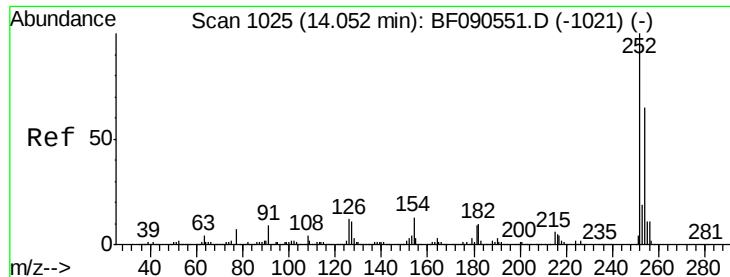
Tot Ion	Ratio	Lower	Upper
149	100		
91	65.4	54.3	81.5
206	20.7	15.8	23.6



#80
Benzo(a)anthracene
Concen: 34.81 ng
RT: 14.087 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.8	34.2
229	20.6	16.6	25.0

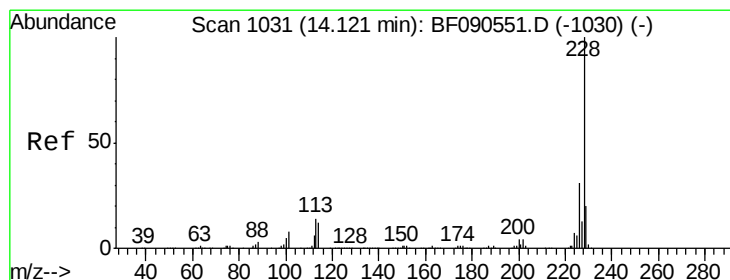
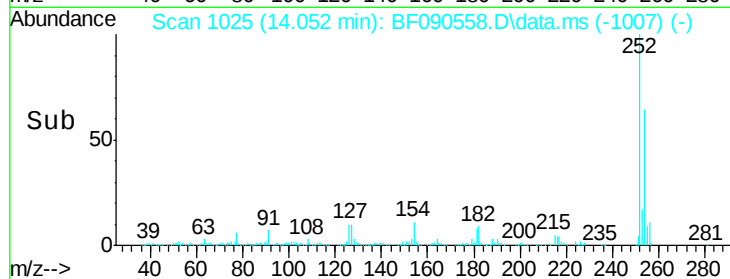
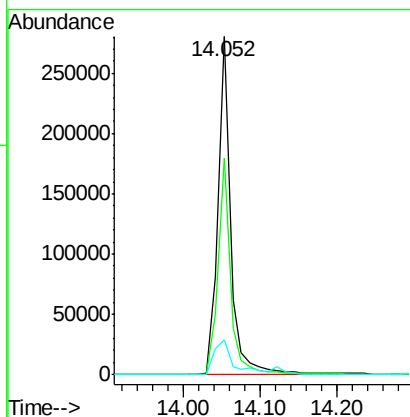
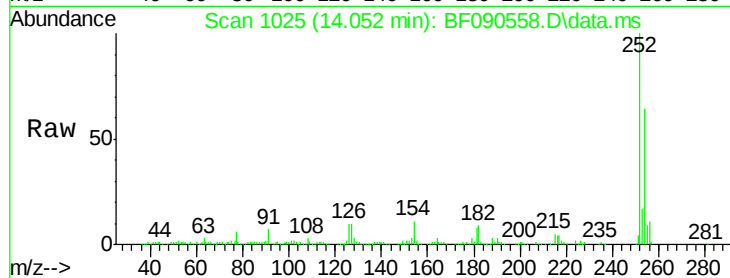




#81
 3,3'-Dichlorobenzidine
 Concen: 18.97 ng
 RT: 14.052 min Scan# 1025
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

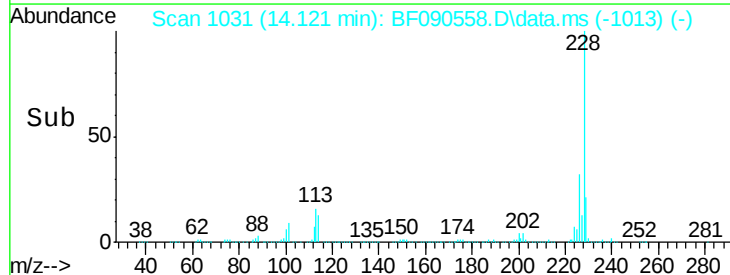
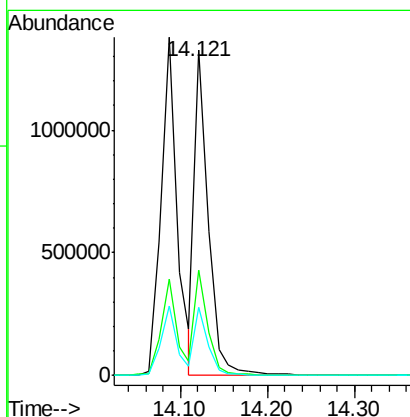
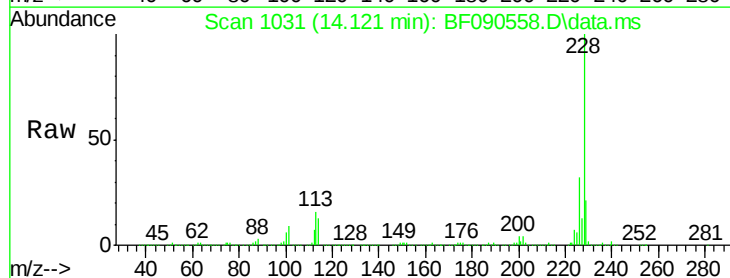
Instrument :
 BNA_F
 ClientSampleId :
 PB94017BS

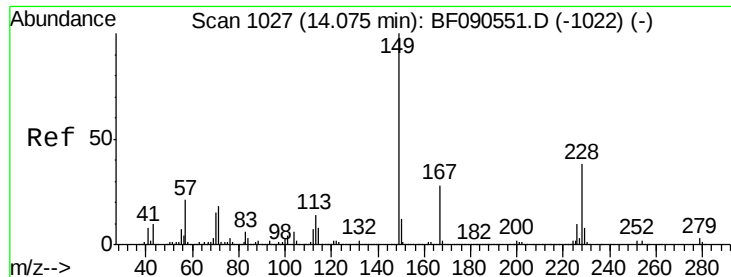
Tot Ion:252 Resp: 325513
 Ion Ratio Lower Upper
 252 100
 254 64.0 52.1 78.1
 126 10.3 9.3 13.9



#82
 Chrysene
 Concen: 30.07 ng
 RT: 14.121 min Scan# 1031
 Delta R.T. 0.000 min
 Lab File: BF090558.D
 Acq: 14 Oct 2016 9:13

Tgt Ion:228 Resp: 1455536
 Ion Ratio Lower Upper
 228 100
 226 32.1 24.8 37.2
 229 20.8 16.2 24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 37.24 ng

RT: 14.075 min Scan# 1027

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

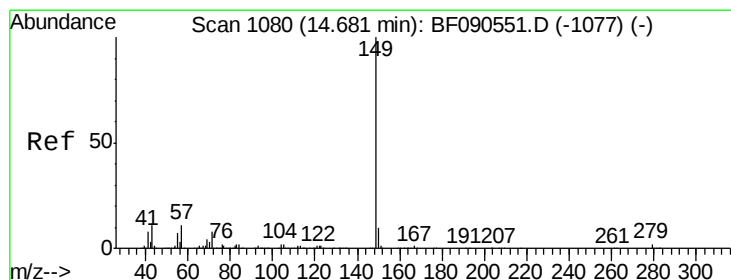
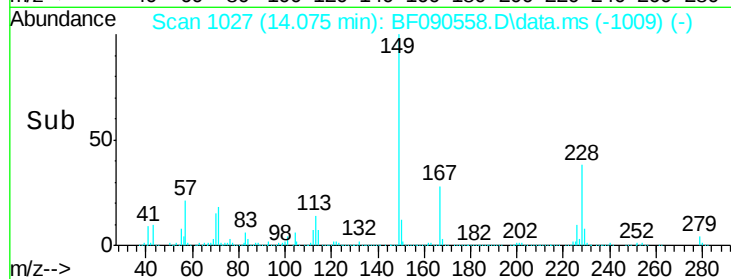
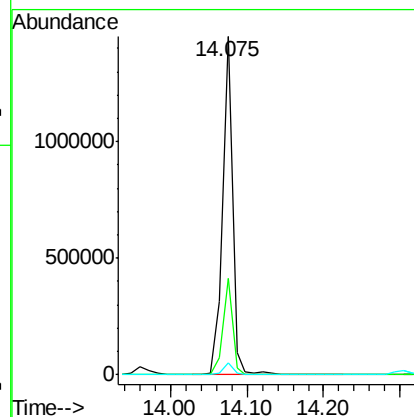
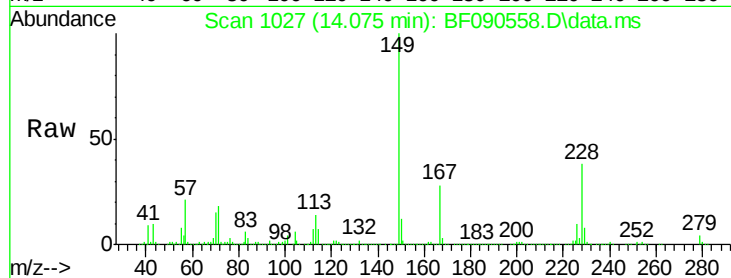
Tot Ion:149 Resp: 1300977

Ion Ratio Lower Upper

149 100

167 28.5 22.1 33.1

279 3.6 2.6 4.0



#84

Di-n-octyl phthalate

Concen: 43.48 ng

RT: 14.692 min Scan# 1081

Delta R.T. 0.012 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

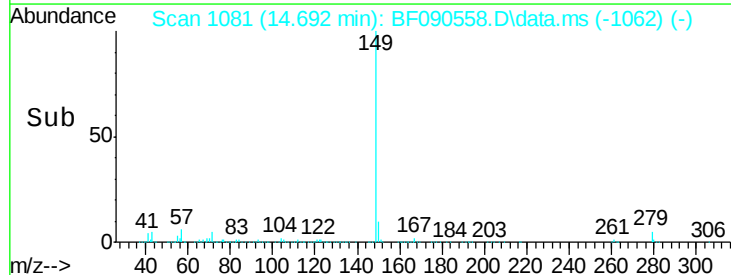
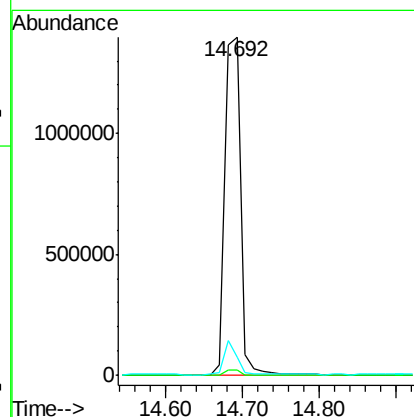
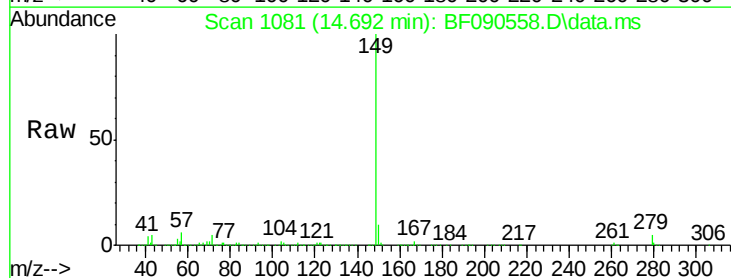
Tgt Ion:149 Resp: 2036768

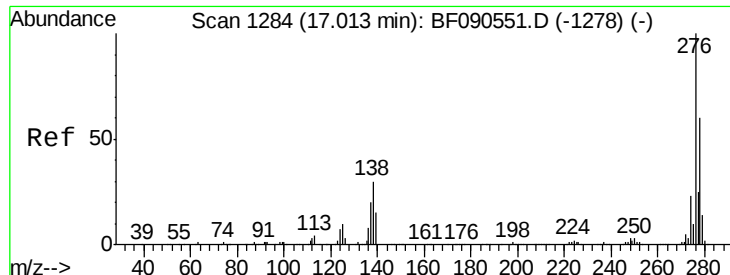
Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 7.9 6.7 10.1

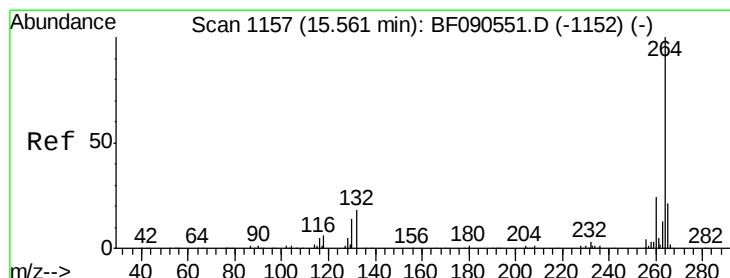
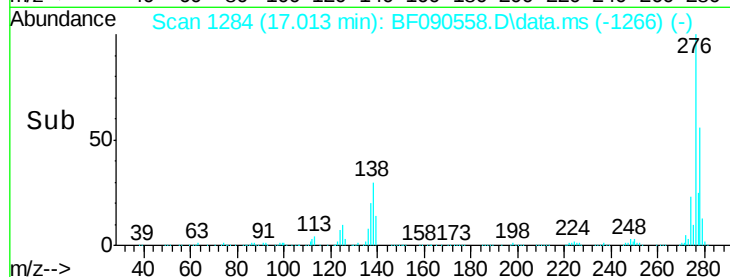
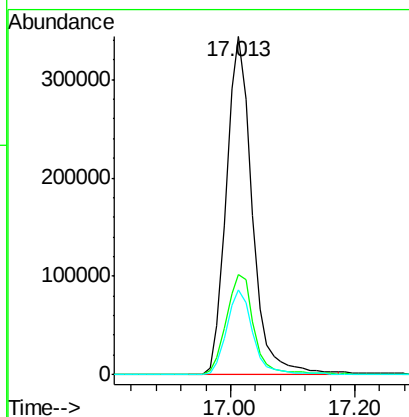
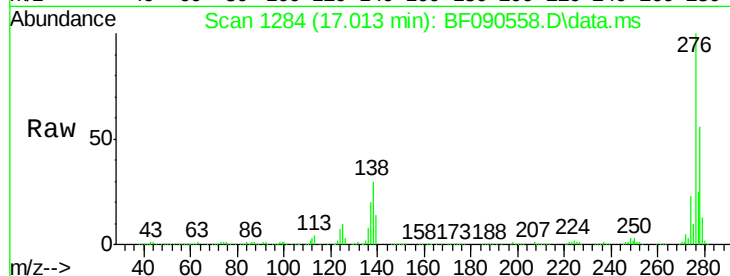




#85
Indeno(1,2,3-cd)pyrene
Concen: 35.61 ng
RT: 17.013 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

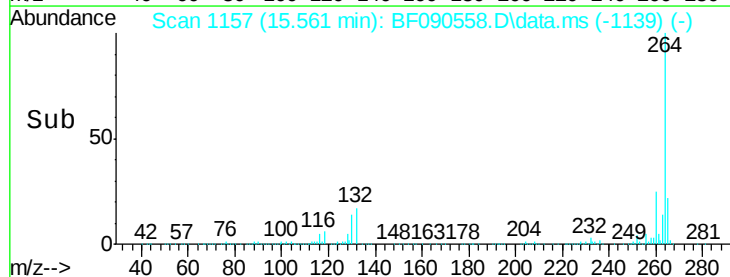
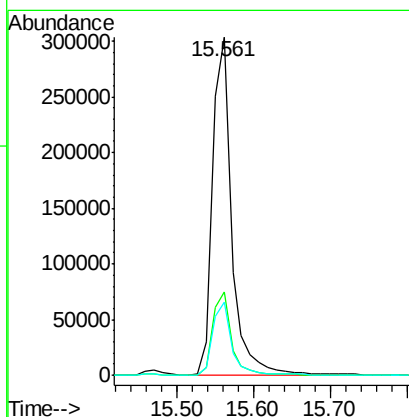
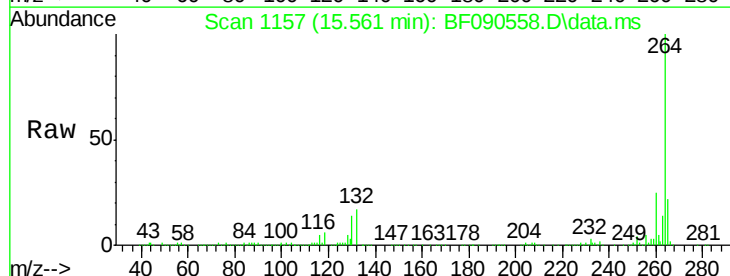
Instrument :
BNA_F
ClientSampleId :
PB94017BS

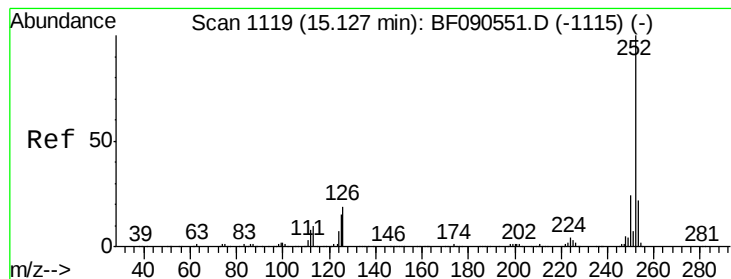
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.8	38.6
277	25.1	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.561 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF090558.D
Acq: 14 Oct 2016 9:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	21.6	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 40.36 ng

RT: 15.127 min Scan# 1119

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

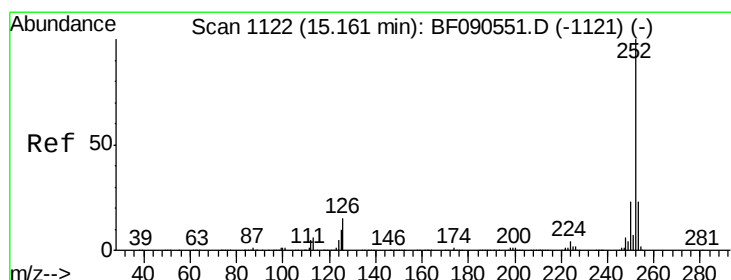
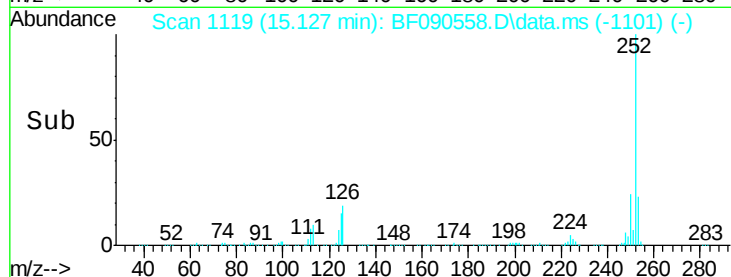
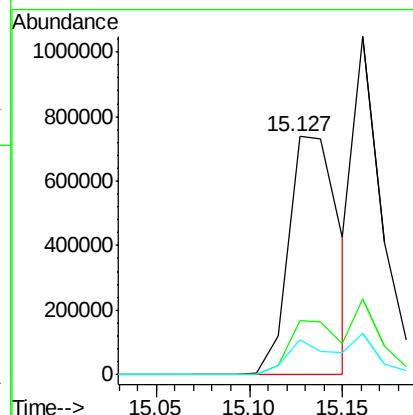
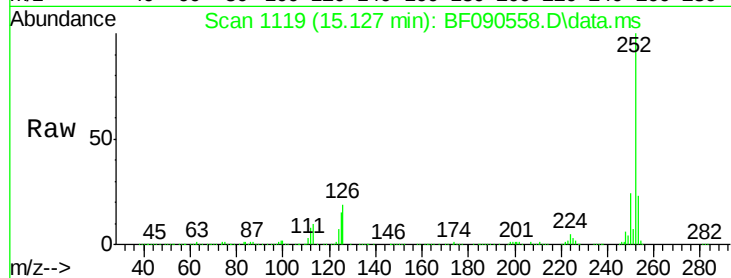
Tot Ion:252 Resp: 1384233

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 14.6 12.0 18.0



#88

Benzo(k)fluoranthene

Concen: 37.51 ng

RT: 15.127 min Scan# 1119

Delta R.T. -0.034 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

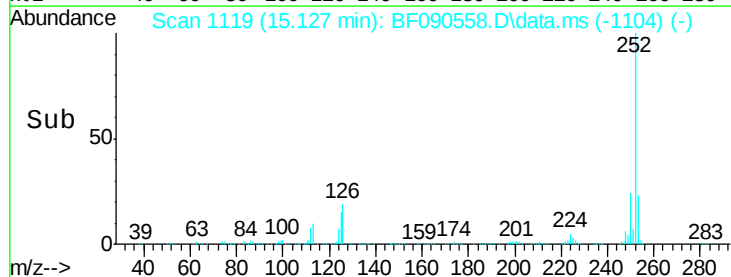
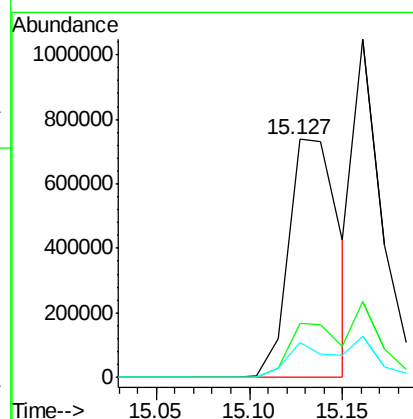
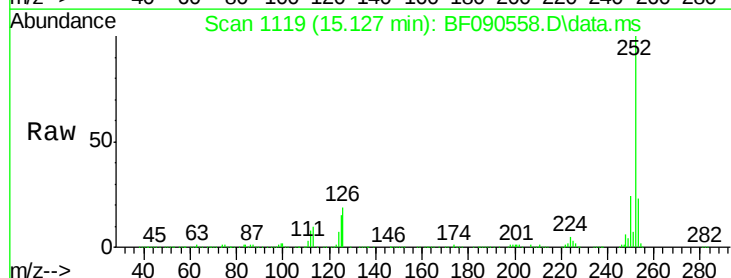
Tgt Ion:252 Resp: 1384233

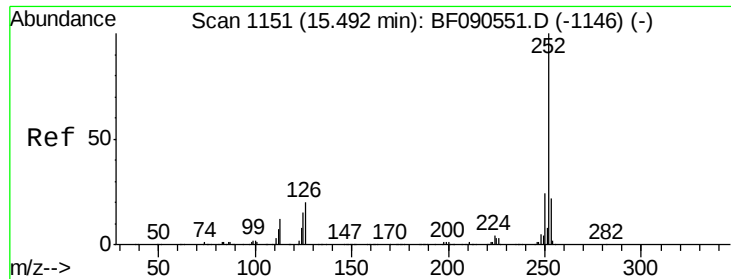
Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 14.6 10.0 15.0





#89

Benzo(a)pyrene

Concen: 35.31 ng

RT: 15.493 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

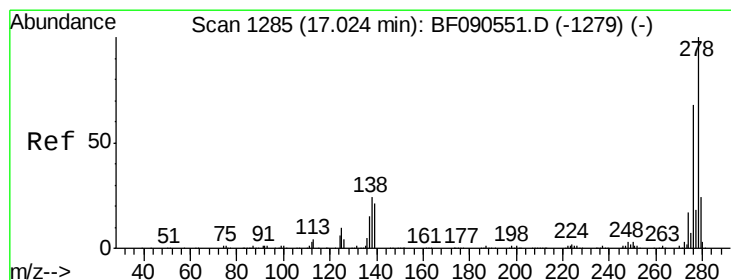
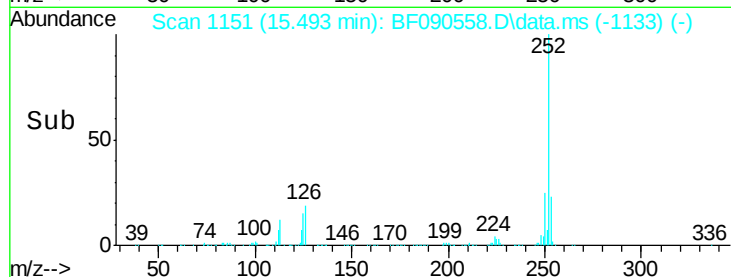
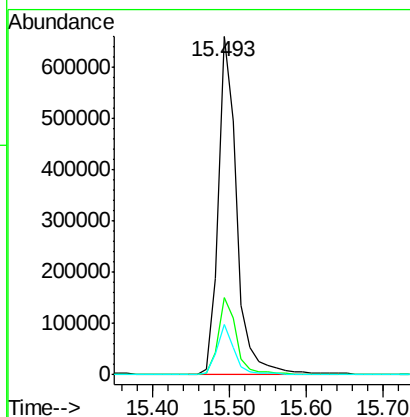
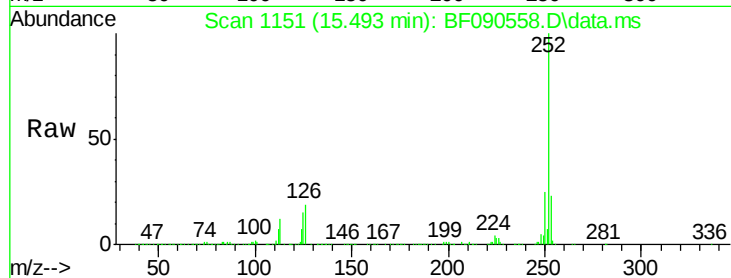
Tot Ion:252 Resp: 1108544

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 14.9 12.3 18.5



#90

Dibenzo(a,h)anthracene

Concen: 35.52 ng

RT: 17.024 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

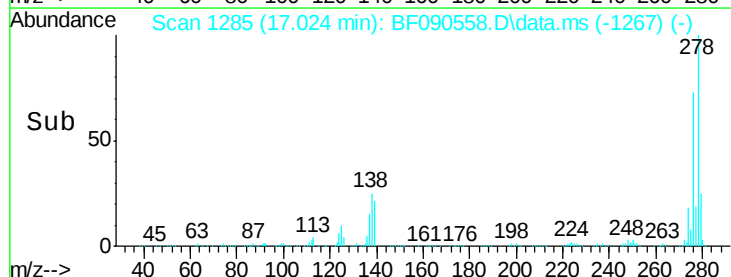
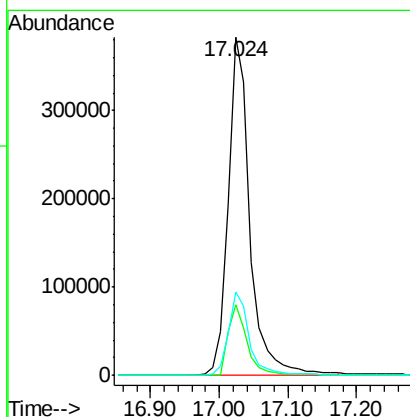
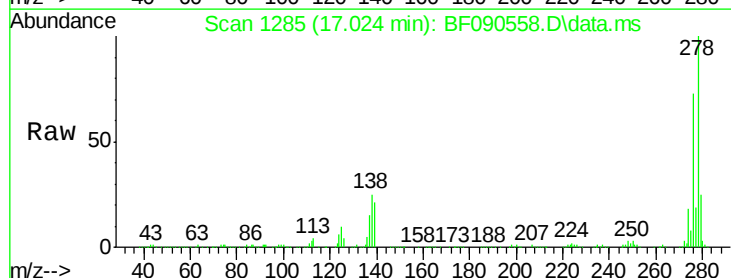
Tgt Ion:278 Resp: 850424

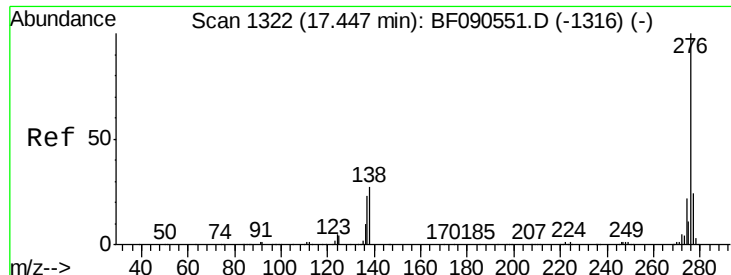
Ion Ratio Lower Upper

278 100

139 20.9 16.6 25.0

279 24.6 19.1 28.7





#91

Benzo(a,h,i)perylene

Concen: 35.14 ng

RT: 17.447 min Scan# 13

Delta R.T. 0.000 min

Lab File: BF090558.D

Acq: 14 Oct 2016 9:13

Instrument :

BNA_F

ClientSampleId :

PB94017BS

Tot Ion: 276 Resp: 802173

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 26.9 21.8 32.8

