

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093016\
 Data File : BF090319.D
 Acq On : 30 Sep 2016 18:33
 Operator : UM/SJ
 Sample : H5024-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Quant Time: Sep 30 22:57:30 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	419426	20.00	ng	0.13
21) Naphthalene-d8	0.00	136	0	0.00	ng	-7.77
38) Acenaphthene-d10	9.48	164	239122	20.00	ng	-0.02
63) Phenanthrene-d10	10.96	188	325715	20.00	ng	-0.02
75) Chrysene-d12	13.58	240	227827	20.00	ng	-0.02
86) Perylene-d12	14.89	264	220381	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	1027087	39.92	ng	-0.01
7) Phenol-d6	6.12	99	1343901	42.29	ng	-0.01
23) Nitrobenzene-d5	7.03	82	807172	0.00	ng	-0.03
41) 2,4,6-Tribromophenol	10.27	330	230841	112.52	ng	-0.02
44) 2-Fluorobiphenyl	8.82	172	1109086	91.06	ng	-0.03
78) Terphenyl-d14	12.54	244	713315	79.49	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	1.86	88	151610	10.86	ng	# 93
3) Pyridine	2.43	79	427358	14.12	ng	97
4) n-Nitrosodimethylamine	2.40	42	152710	16.90	ng	91
6) Aniline	6.20	93	441861	11.15	ng	# 40
8) 2-Chlorophenol	6.24	128	398400	13.46	ng	95
9) Benzaldehyde	5.99	77	199445	14.40	ng	96
11) bis(2-Chloroethyl)ether	6.20	93	441861	15.08	ng	96
12) 1,3-Dichlorobenzene	6.63	146	385189	12.45	ng	98
13) 1,4-Dichlorobenzene	6.63	146	388838	12.31	ng	99
14) 1,2-Dichlorobenzene	6.63	146	388547	13.81	ng	95
15) Benzyl Alcohol	6.62	79	299416	15.80	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.75	45	425503	12.15	ng	# 21
17) 2-Methylphenol	6.91	107	469647	20.14	ng	# 79
18) Hexachloroethane	6.96	117	136596	12.13	ng	95
19) n-Nitroso-di-n-propylamine	6.90	70	308427	16.52	ng	99
20) 3+4-Methylphenols	6.91	107	460146	16.43	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.63	216	293684	53.51	ng	97
40) Hexachlorocyclopentadiene	8.62	237	90633	33.46	ng	99
42) 2,4,6-Trichlorophenol	8.74	196	190316	48.66	ng	99
43) 2,4,5-Trichlorophenol	8.79	196	203272	50.19	ng	# 89
45) 1,1'-Biphenyl	8.92	154	859480	50.24	ng	97
46) 2-Chloronaphthalene	8.94	162	599943	47.54	ng	97
47) 2-Nitroaniline	9.05	65	226104	59.42	ng	95
48) Acenaphthylene	9.35	152	884959	43.18	ng	99
49) Dimethylphthalate	9.24	163	1372215	90.10	ng	100
50) 2,6-Dinitrotoluene	9.30	165	169346	49.89	ng	# 53
51) Acenaphthene	9.52	154	526509	43.28	ng	99
52) 3-Nitroaniline	9.46	138	121712	30.58	ng	83
53) 2,4-Dinitrophenol	9.56	184	39786	23.28	ng	# 84
54) Dibenzofuran	9.69	168	761330	47.55	ng	94
55) 4-Nitrophenol	9.64	139	209251	76.75	ng	# 76
56) 2,4-Dinitrotoluene	9.69	165	179642	44.76	ng	# 82
57) Fluorene	10.03	166	617517	51.18	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	147511	48.65	ng	98

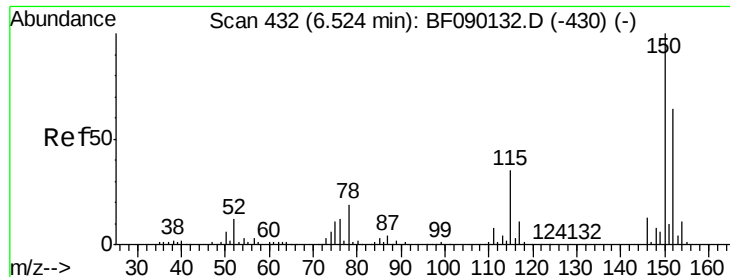
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093016\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) Diethylphthalate	9.93	149	671878	45.68	ng	100
60) 4-Chlorophenyl-phenylether	10.03	204	255321	46.40	ng	89
61) 4-Nitroaniline	10.07	138	170538	42.04	ng	88
62) Azobenzene	10.19	77	776384	50.71	ng	90
64) 4,6-Dinitro-2-methylphenol	10.10	198	48510	23.78	ng	95
65) n-Nitrosodiphenylamine	10.16	169	587401	54.84	ng	100
66) 4-Bromophenyl-phenylether	10.51	248	156470	48.82	ng	# 83
67) Hexachlorobenzene	10.57	284	177475	47.51	ng	# 81
68) Atrazine	10.70	200	164466	56.04	ng	99
69) Pentachlorophenol	10.78	266	200897	94.75	ng	99
70) Phenanthrene	10.98	178	870948	57.18	ng	99
71) Anthracene	11.03	178	754769	47.24	ng	100
72) Carbazole	11.19	167	741178	43.88	ng	98
73) Di-n-butylphthalate	11.54	149	961144	48.94	ng	99
74) Fluoranthene	12.15	202	764879	46.78	ng	99
77) Pyrene	12.38	202	735466	47.18	ng	99
79) Butylbenzylphthalate	13.03	149	376543	49.38	ng	99
80) Benzo(a)anthracene	13.57	228	669001	54.58	ng	100
81) 3,3'-Dichlorobenzidine	13.54	252	69766	13.80	ng	# 98
82) Chrysene	13.60	228	426493	35.72	ng	99
83) Bis(2-ethylhexyl)phthalate	13.60	149	457996	46.93	ng	# 97
84) Di-n-octyl phthalate	14.21	149	852046	50.68	ng	99
85) Indeno(1,2,3-cd)pyrene	16.03	276	533528	55.27	ng	95
87) Benzo(b)fluoranthene	14.58	252	1175048	96.29	ng	# 94
88) Benzo(k)fluoranthene	14.58	252	1175883	102.67	ng	100
89) Benzo(a)pyrene	14.85	252	541895	47.21	ng	98
90) Dibenzo(a,h)anthracene	16.05	278	443129	49.47	ng	98
91) Benzo(g,h,i)perylene	16.37	276	436684	49.81	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.13 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

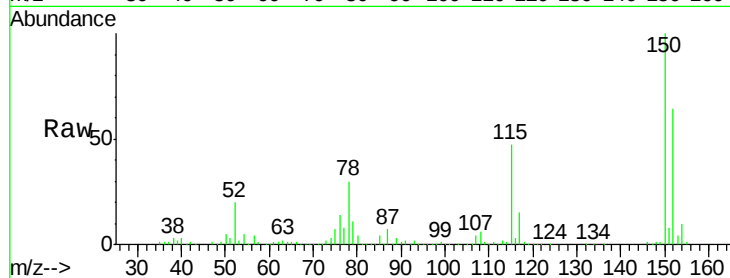
Tgt Ion:152 Resp: 419426

Ion Ratio Lower Upper

152 100

150 156.5 128.9 193.3

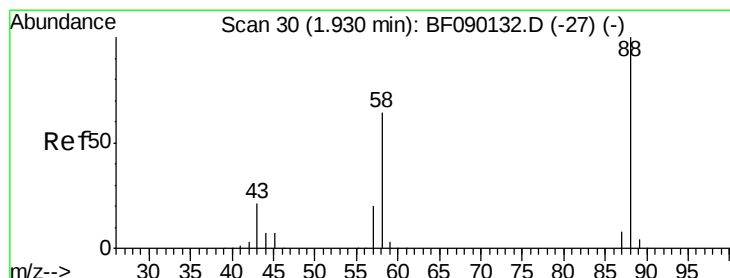
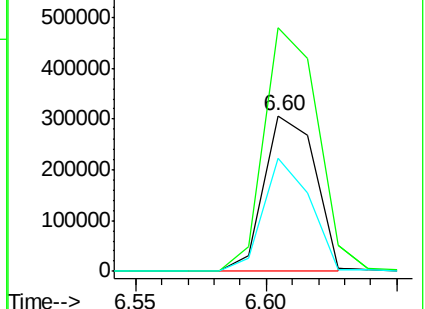
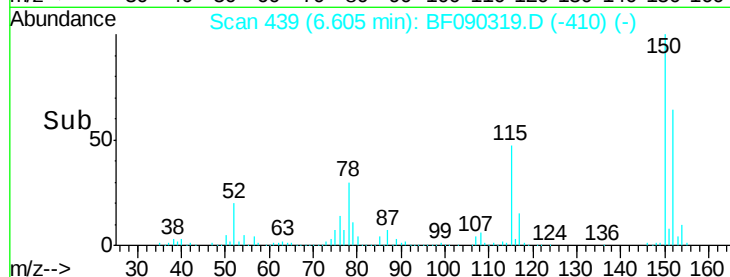
115 72.9 55.5 83.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 10.86 ng

RT: 1.86 min Scan# 24

Delta R.T. 0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

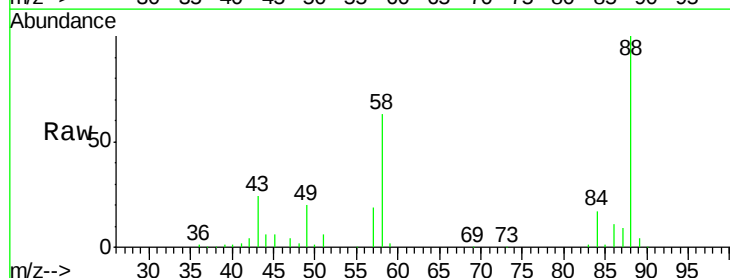
Tgt Ion: 88 Resp: 151610

Ion Ratio Lower Upper

88 100

58 66.6 53.4 80.0

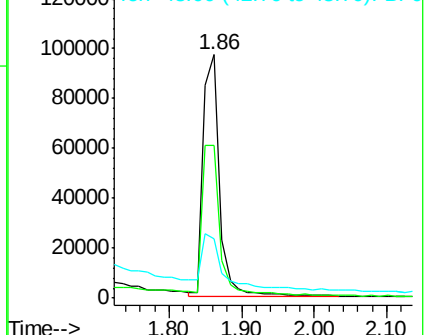
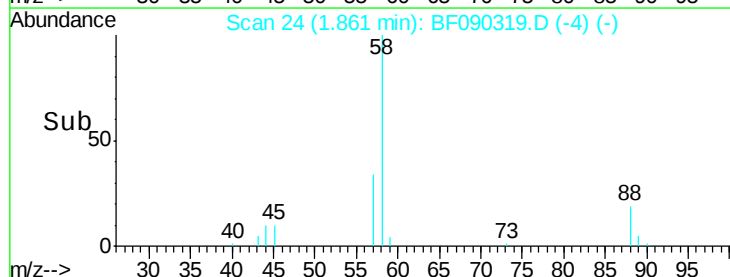
43 33.7 16.5 24.7#

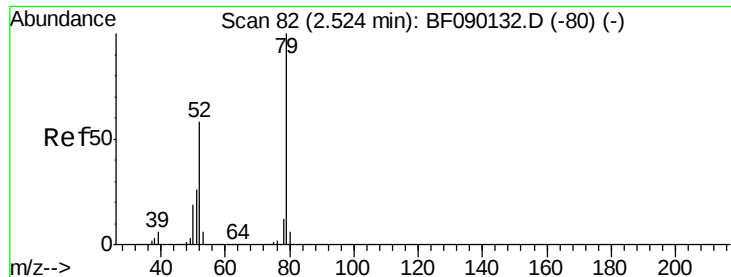


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 14.12 ng

RT: 2.43 min Scan# 74

Delta R.T. 0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

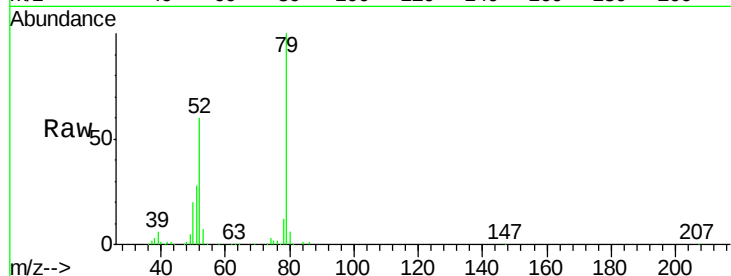
Tgt Ion: 79 Resp: 427358

Ion Ratio Lower Upper

79 100

52 60.2 45.9 68.9

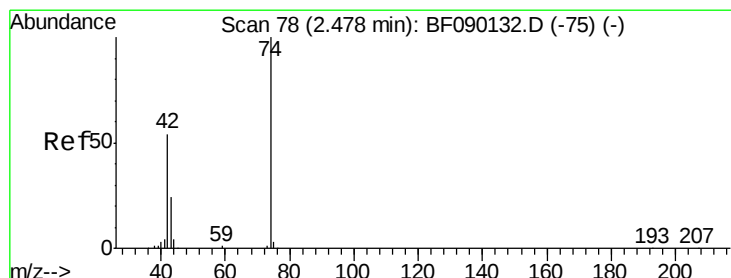
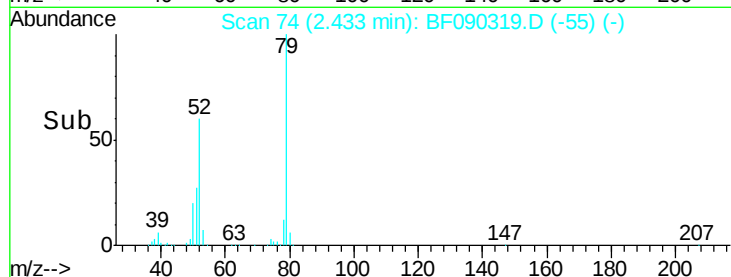
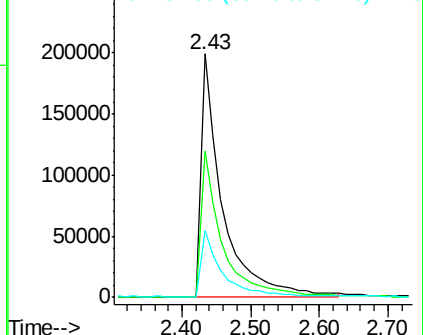
51 27.6 21.3 31.9



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 16.90 ng

RT: 2.40 min Scan# 71

Delta R.T. 0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

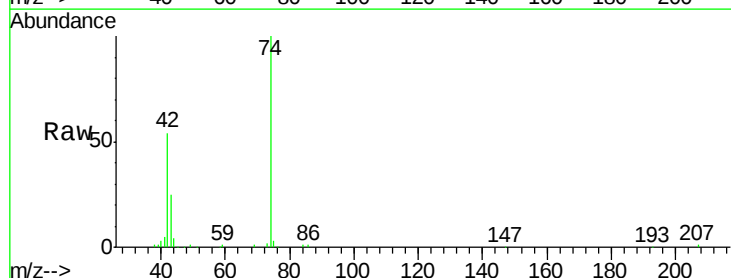
Tgt Ion: 42 Resp: 152710

Ion Ratio Lower Upper

42 100

74 184.7 158.7 238.1

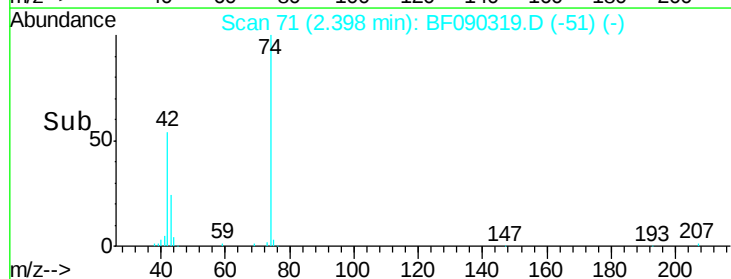
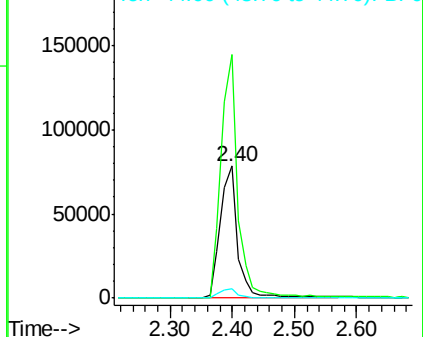
44 7.3 6.4 9.6

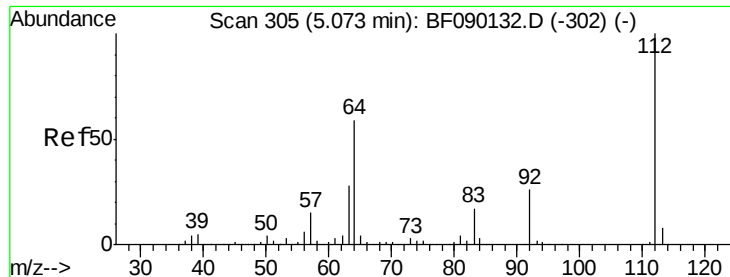


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 39.92 ng

RT: 5.02 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampled :

PA-4MSD

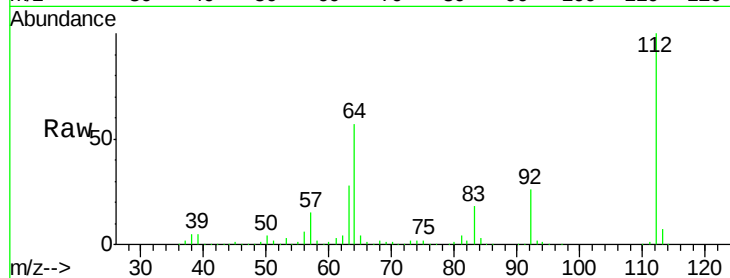
Tgt Ion:112 Resp: 1027087

Ion Ratio Lower Upper

112 100

64 56.8 39.8 59.6

63 28.0 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

800000

600000

400000

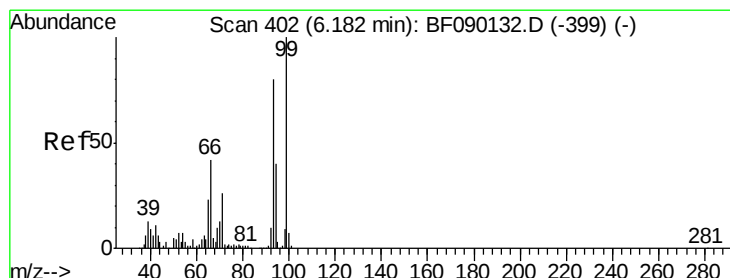
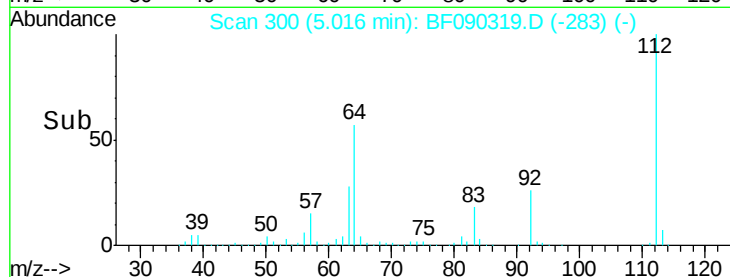
200000

0

5.02

5.20

Time-->



#6

Aniline

Concen: 11.15 ng

RT: 6.20 min Scan# 404

Delta R.T. 0.07 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

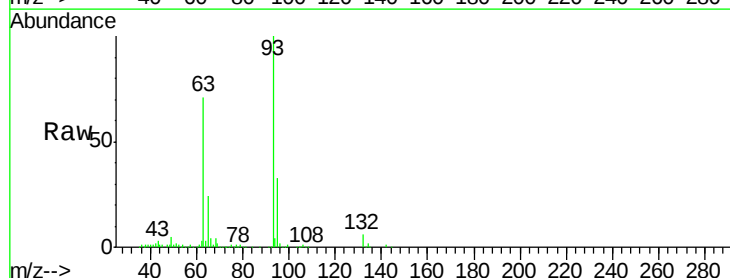
Tgt Ion: 93 Resp: 441861

Ion Ratio Lower Upper

93 100

66 4.0 54.2 81.2#

65 23.6 33.8 50.6#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

600000

500000

400000

300000

200000

100000

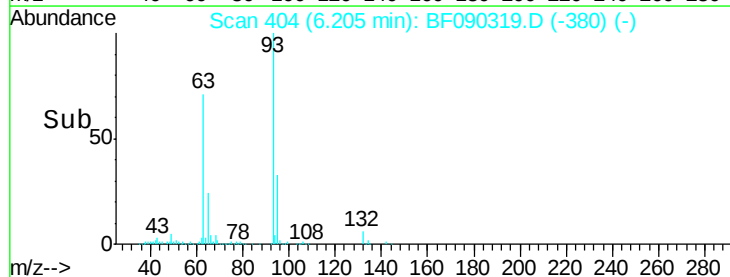
0

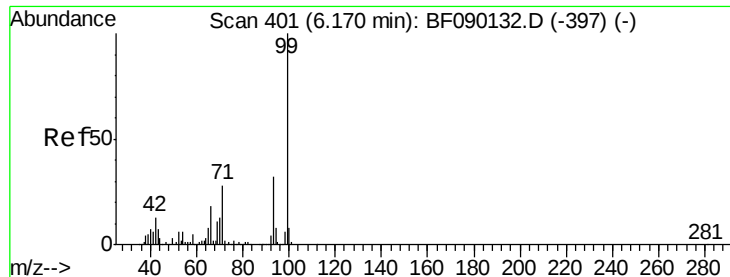
6.20

6.30

6.40

Time-->





#7

Phenol-d6

Concen: 42.29 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampled :

PA-4MSD

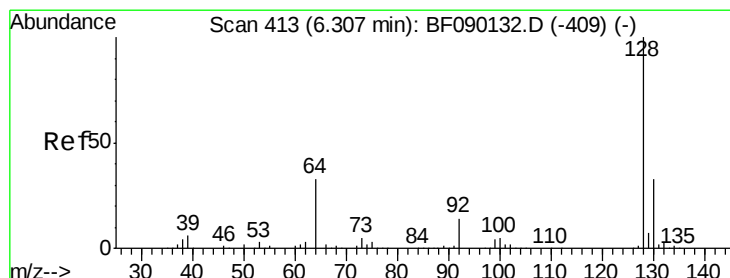
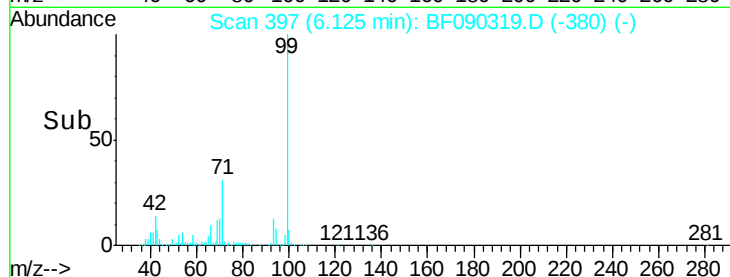
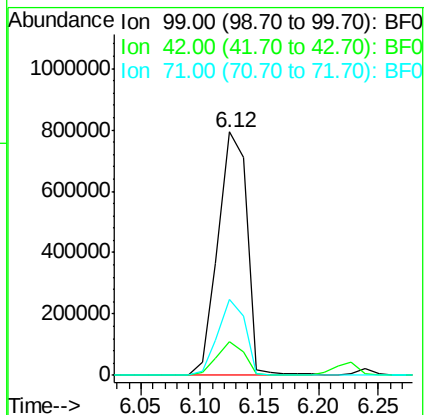
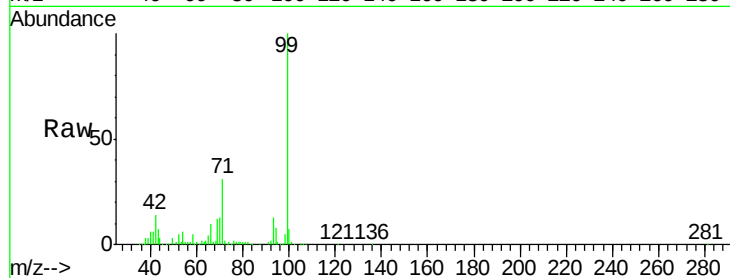
Tgt Ion: 99 Resp: 1343901

Ion Ratio Lower Upper

99 100

42 14.0 10.6 15.8

71 31.1 23.0 34.6



#8

2-Chlorophenol

Concen: 13.46 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

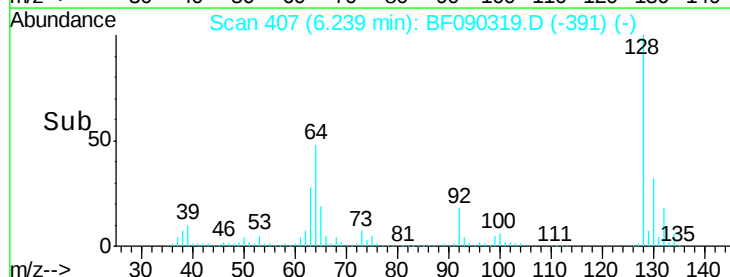
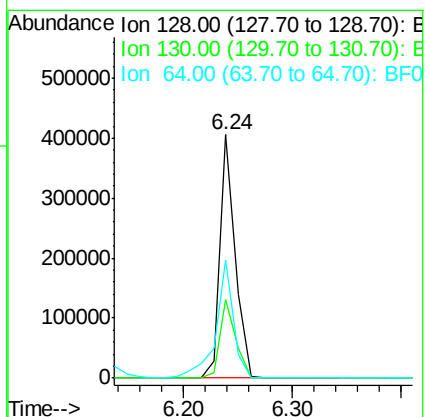
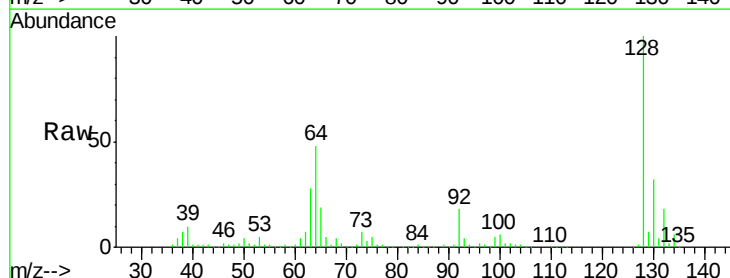
Tgt Ion: 128 Resp: 398400

Ion Ratio Lower Upper

128 100

130 32.5 12.0 52.0

64 48.3 33.6 73.6





#9

Benzaldehyde

Concen: 14.40 ng

RT: 5.99 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampled :

PA-4MSD

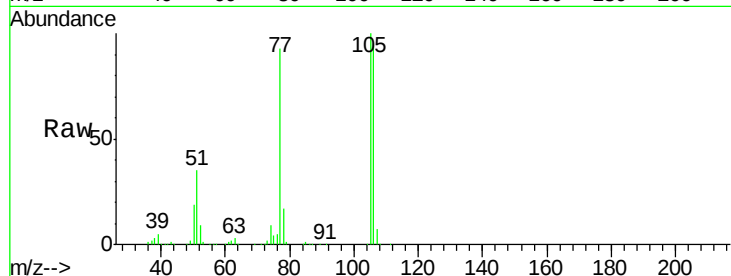
Tgt Ion: 77 Resp: 199445

Ion Ratio Lower Upper

77 100

105 107.1 83.0 123.0

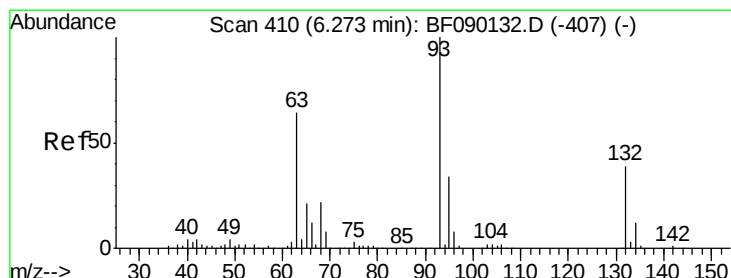
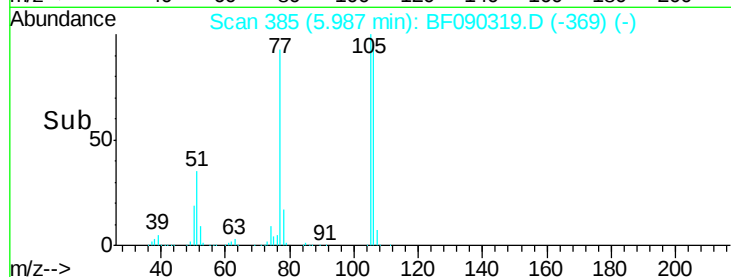
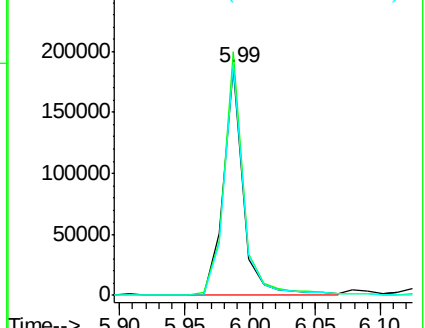
106 101.7 78.5 118.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 15.08 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

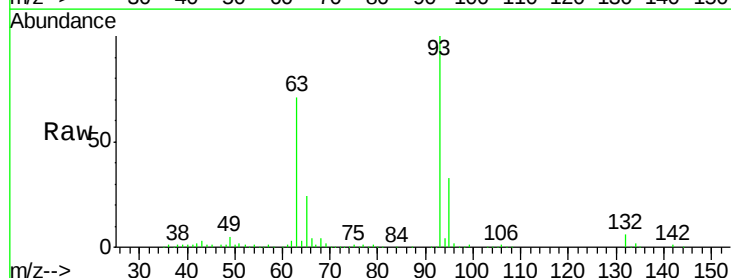
Tgt Ion: 93 Resp: 441861

Ion Ratio Lower Upper

93 100

63 70.8 55.6 95.6

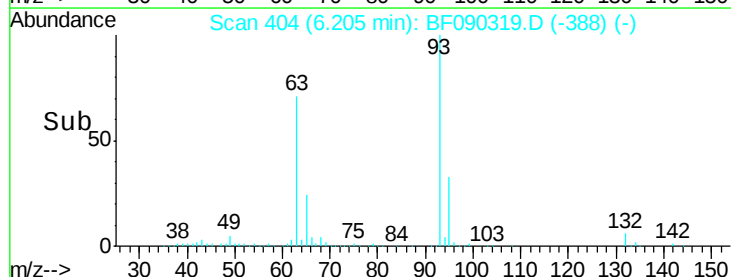
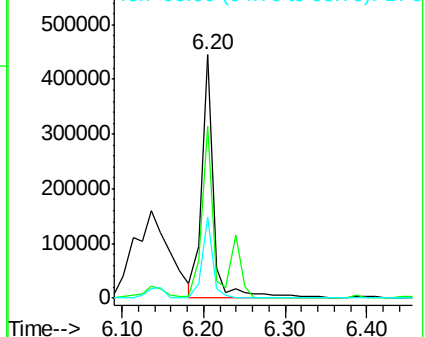
95 33.3 12.6 52.6

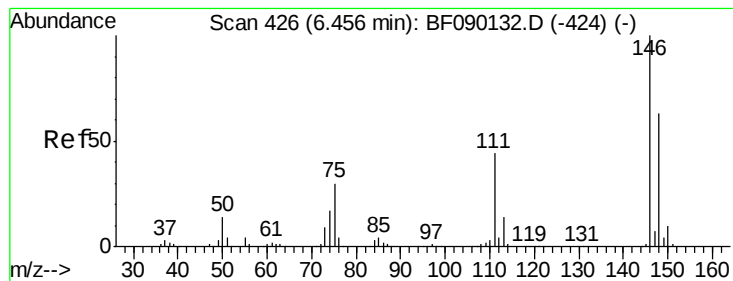


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#12

1,3-Dichlorobenzene

Concen: 12.45 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.21 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

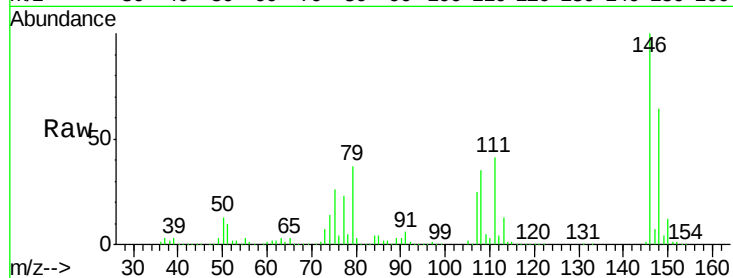
Tgt Ion:146 Resp: 385189

Ion Ratio Lower Upper

146 100

148 64.3 51.9 77.9

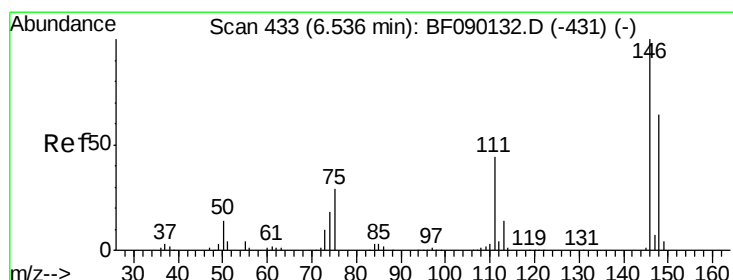
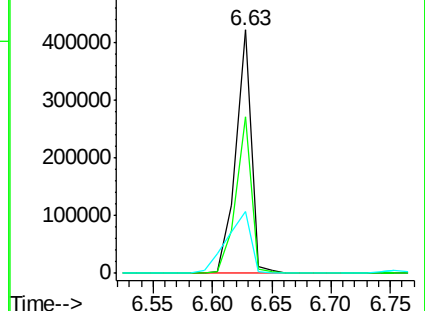
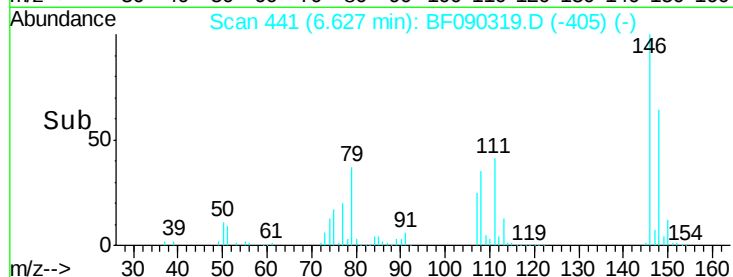
75 25.6 22.8 34.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 12.31 ng

RT: 6.63 min Scan# 441

Delta R.T. 0.13 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

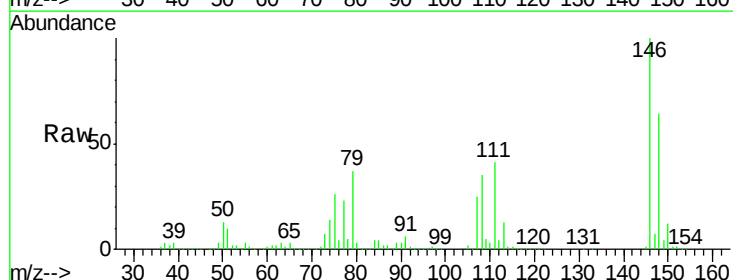
Tgt Ion:146 Resp: 388838

Ion Ratio Lower Upper

146 100

148 64.3 52.0 78.0

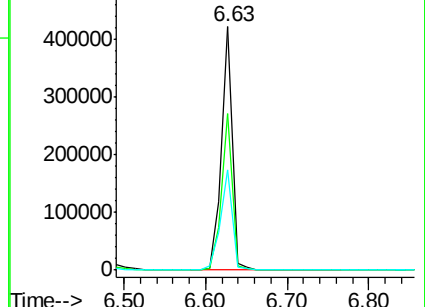
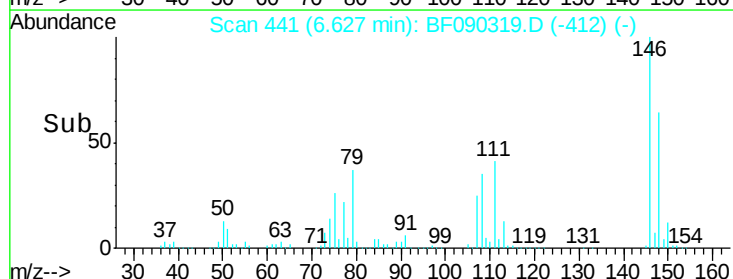
111 41.1 33.8 50.6

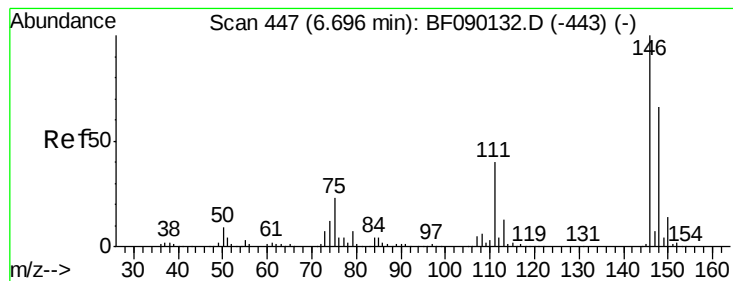


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 13.81 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

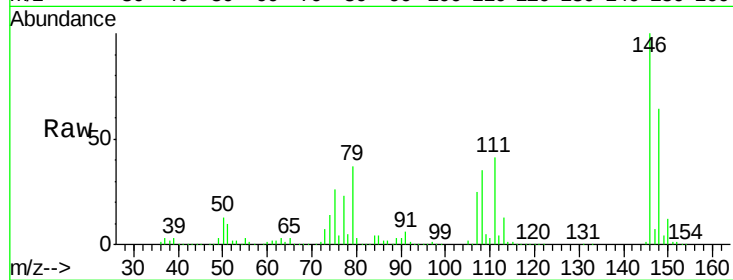
Tgt Ion: 146 Resp: 388547

Ion Ratio Lower Upper

146 100

148 64.3 52.6 79.0

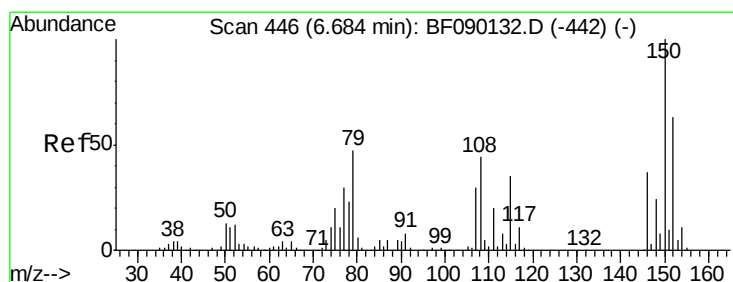
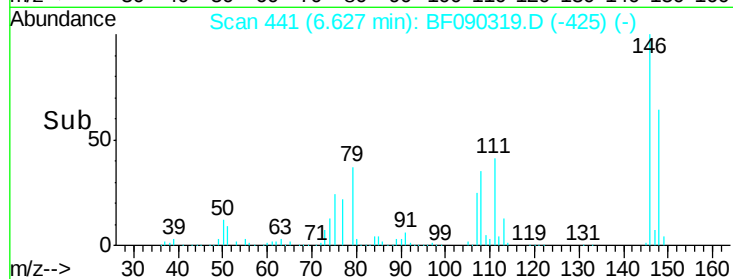
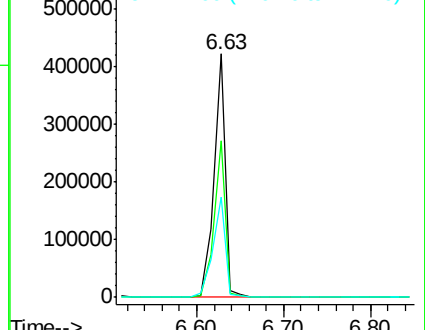
111 41.1 28.2 42.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#15

Benzyl Alcohol

Concen: 15.80 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

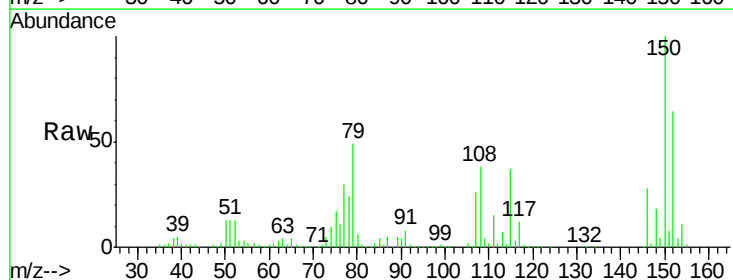
Tgt Ion: 79 Resp: 299416

Ion Ratio Lower Upper

79 100

108 77.3 62.2 93.4

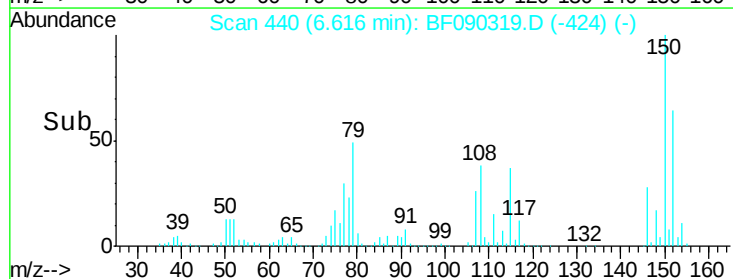
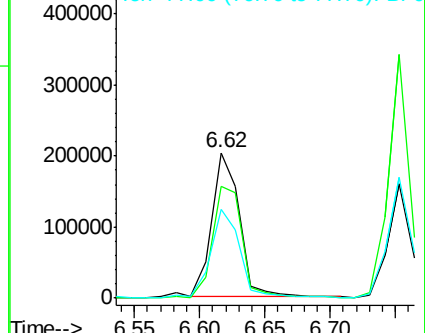
77 61.2 51.4 77.0

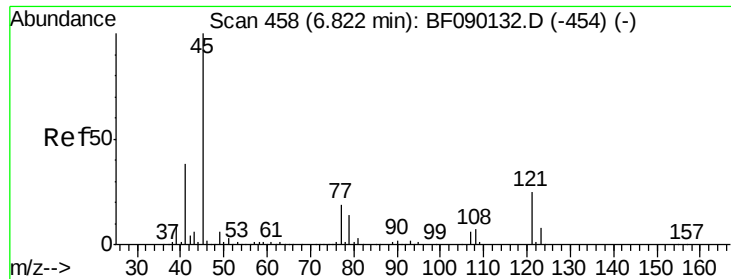


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

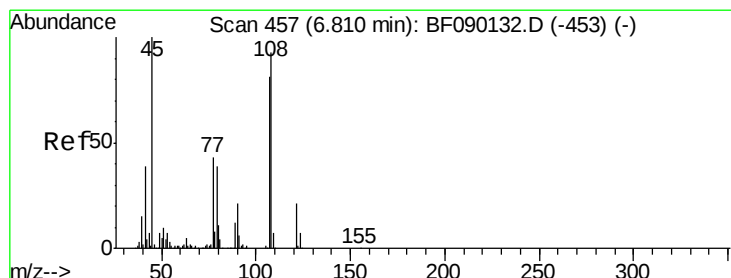
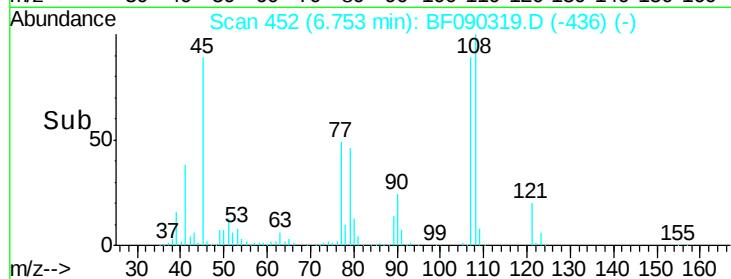
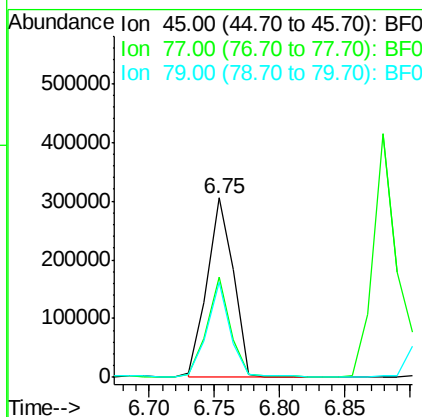
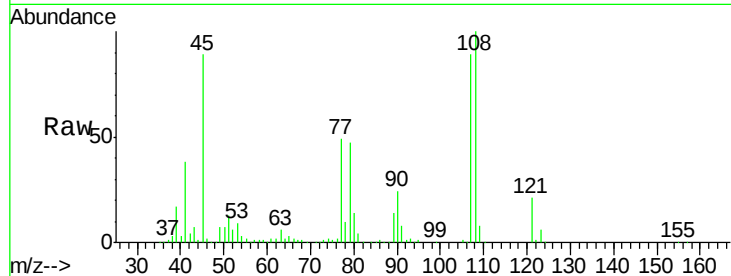




#16
2,2'-oxybis(1-Chloropropane)
Concen: 12.15 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

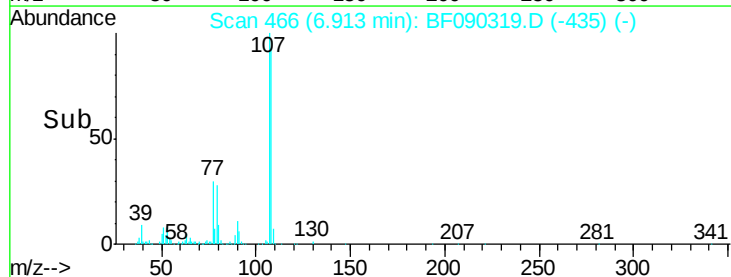
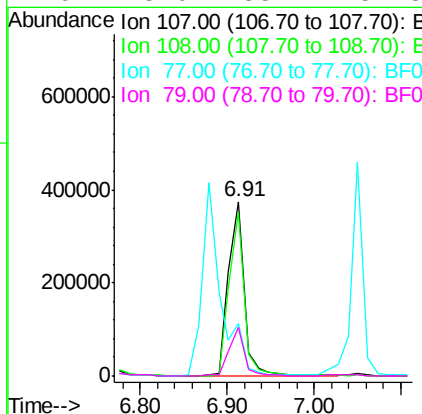
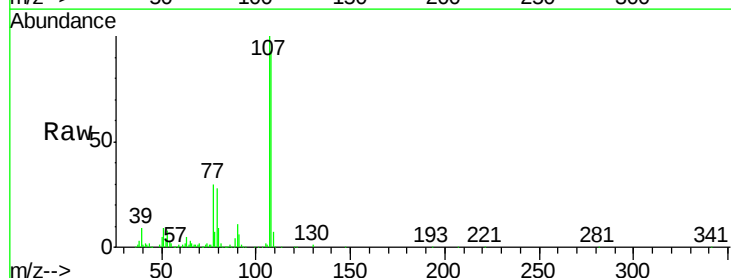
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

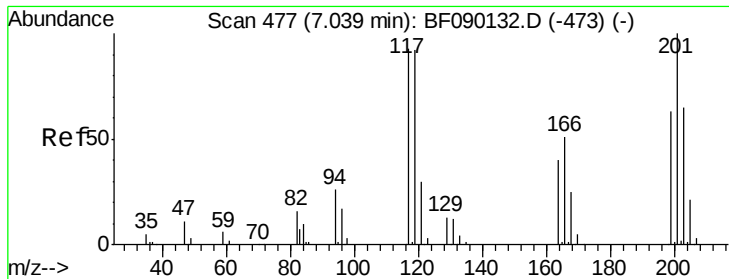
Tgt Ion: 45 Resp: 425503
Ion Ratio Lower Upper
45 100
77 55.6 0.5 40.5#
79 52.8 0.0 37.0#



#17
2-Methylphenol
Concen: 20.14 ng
RT: 6.91 min Scan# 466
Delta R.T. 0.15 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion: 107 Resp: 469647
Ion Ratio Lower Upper
107 100
108 93.5 92.0 138.0
77 30.3 35.6 53.4#
79 28.0 35.2 52.8#

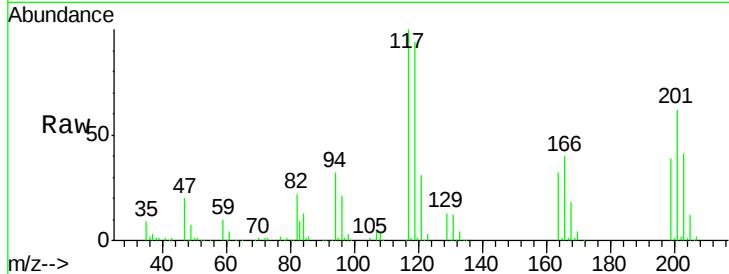




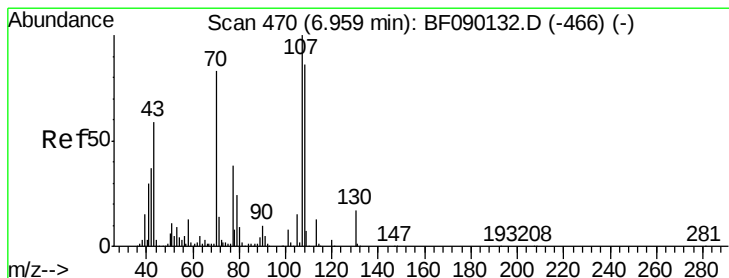
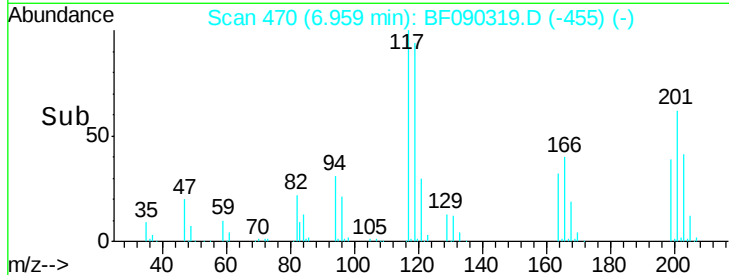
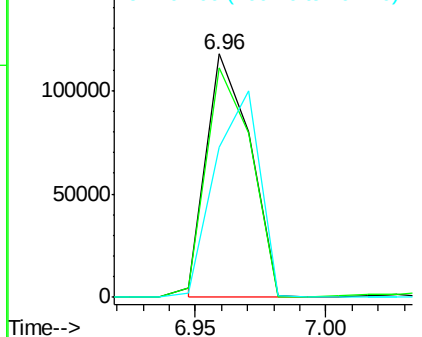
#18
Hexachloroethane
Concen: 12.13 ng
RT: 6.96 min Scan# 470
Delta R.T. -0.03 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Instrument :
BNA_F
ClientSampleId :
PA-4MSD

Tgt Ion: 117 Resp: 136596
Ion Ratio Lower Upper
117 100
119 94.2 76.6 115.0
201 61.9 55.5 83.3

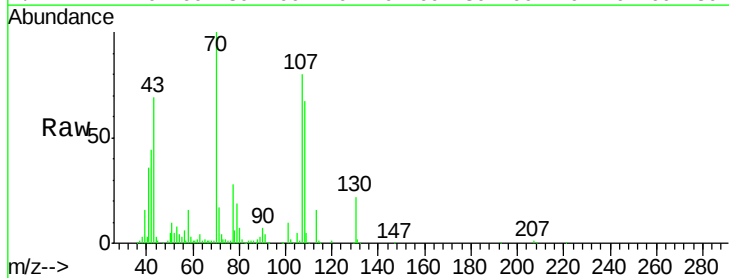


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

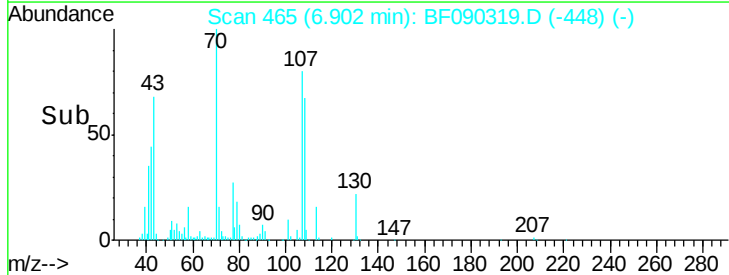
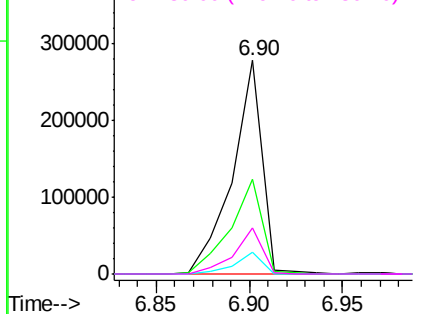


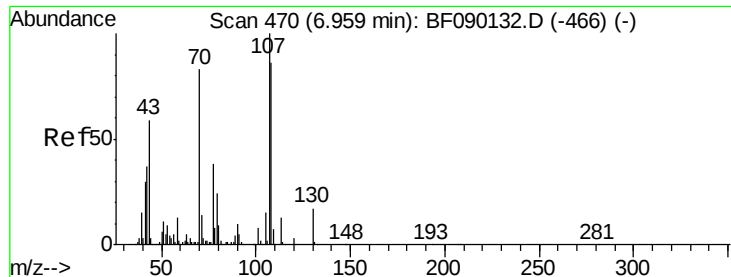
#19
n-Nitroso-di-n-propylamine
Concen: 16.52 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion: 70 Resp: 308427
Ion Ratio Lower Upper
70 100
42 44.1 35.1 52.7
101 10.0 7.5 11.3
130 21.8 16.6 25.0



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 16.43 ng

RT: 6.91 min Scan# 466

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

Tgt Ion:107 Resp: 460146

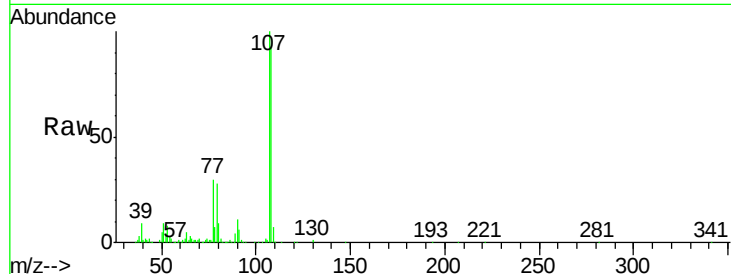
Ion Ratio Lower Upper

107 100

108 93.5 73.3 113.3

77 30.3 14.1 54.1

79 28.0 7.5 47.5

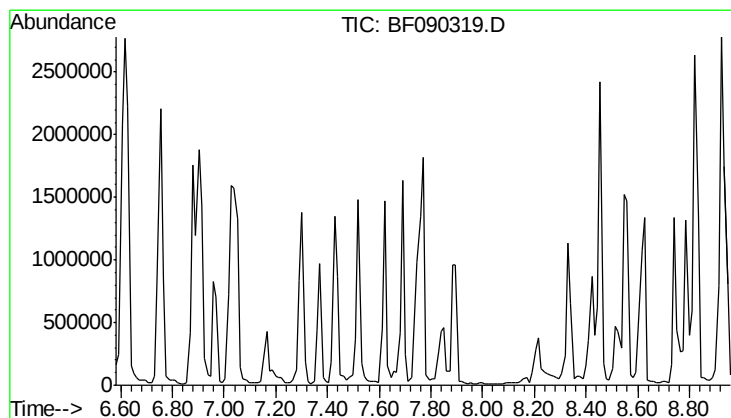
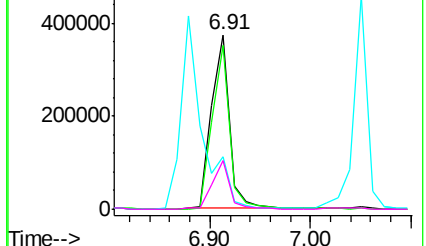
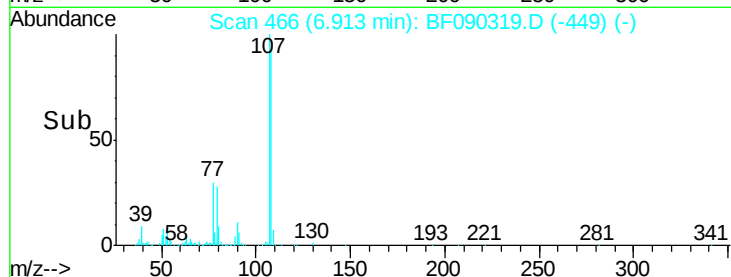


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 0.00 ng

Expected RT: 7.77 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Tgt Ion: 136

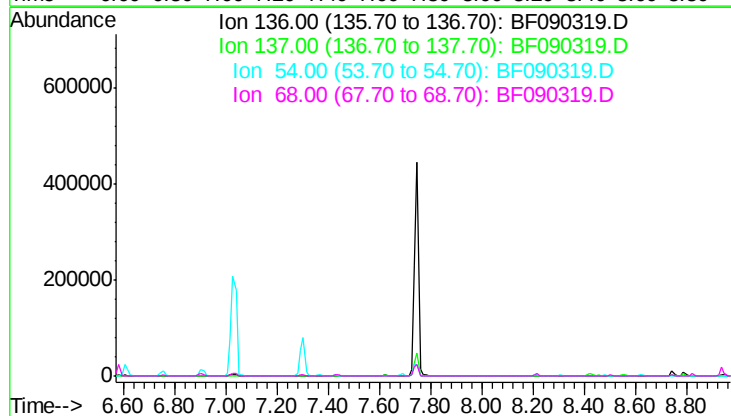
Sig Exp Ratio

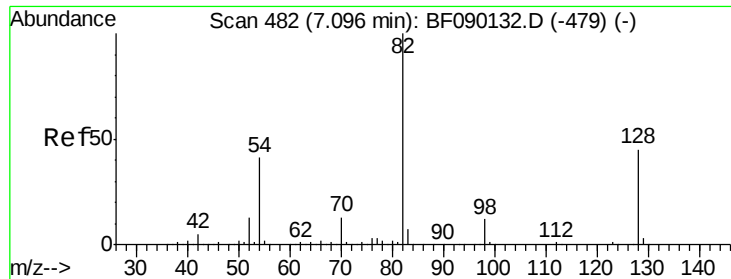
136 100

137 11.2

54 8.0

68 7.9

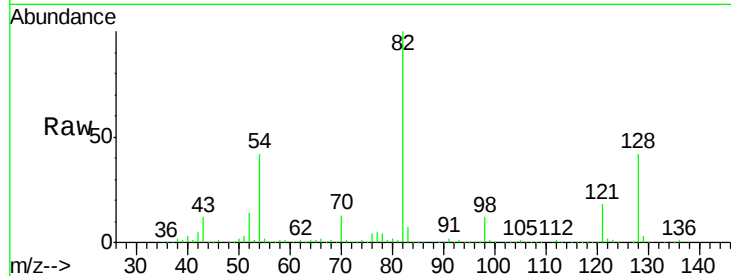




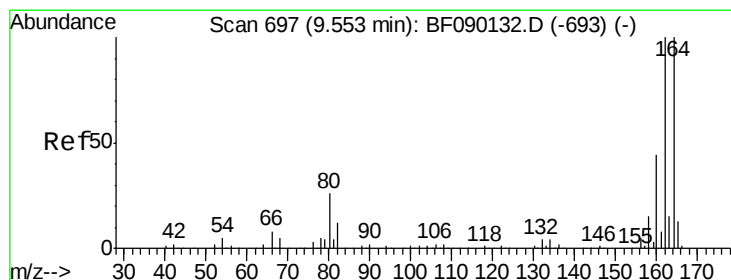
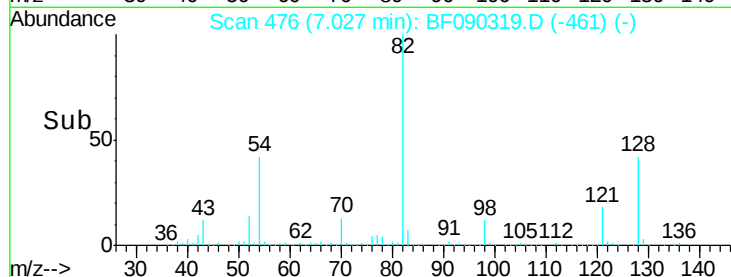
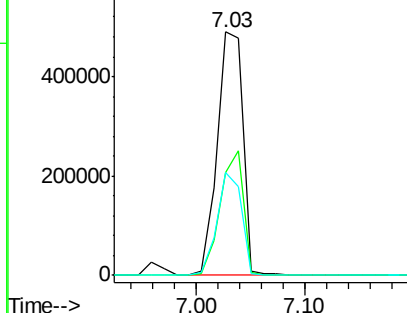
#23
 Nitrobenzene-d5
 Concen: 0.00 ng
 RT: 7.03 min Scan# 476
 Delta R.T. -0.03 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Tgt Ion: 82 Resp: 807172
 Ion Ratio Lower Upper
 82 100
 128 42.1 37.5 56.3
 54 42.2 31.9 47.9

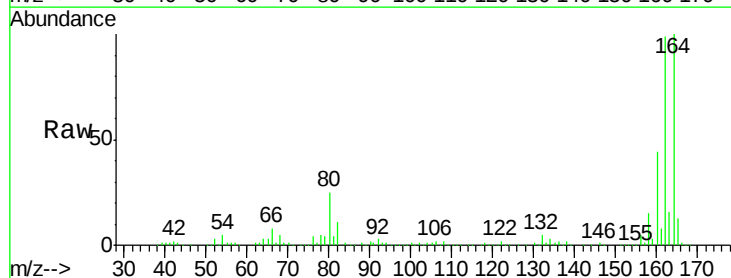


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

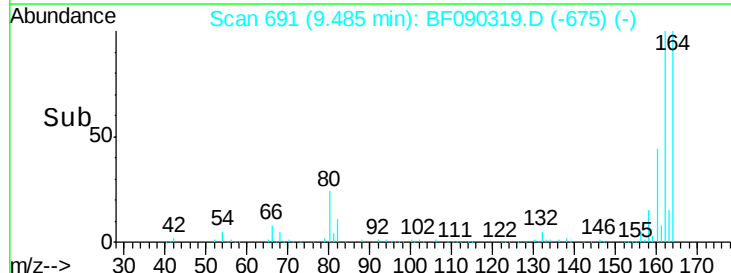
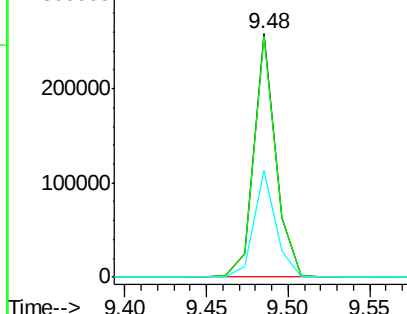


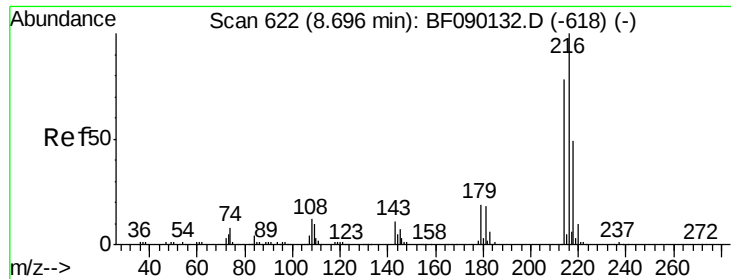
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.48 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion: 164 Resp: 239122
 Ion Ratio Lower Upper
 164 100
 162 99.1 81.4 122.2
 160 43.8 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

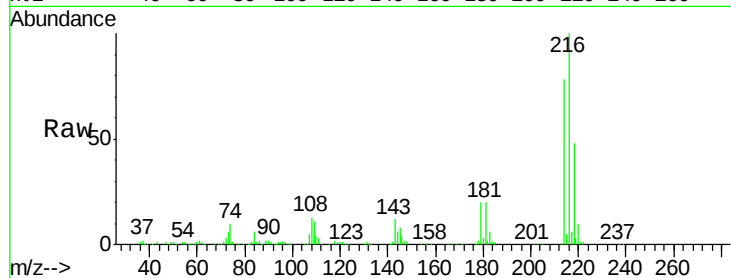




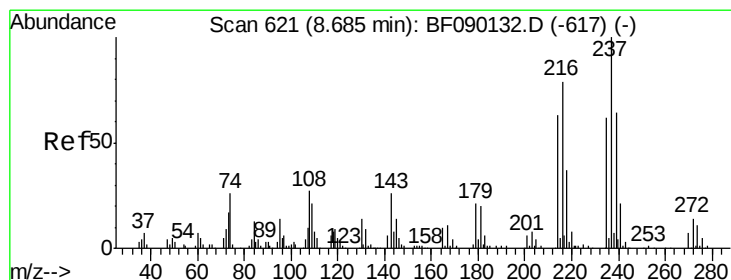
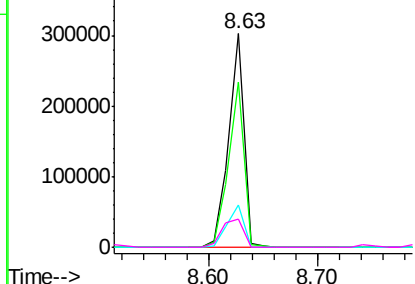
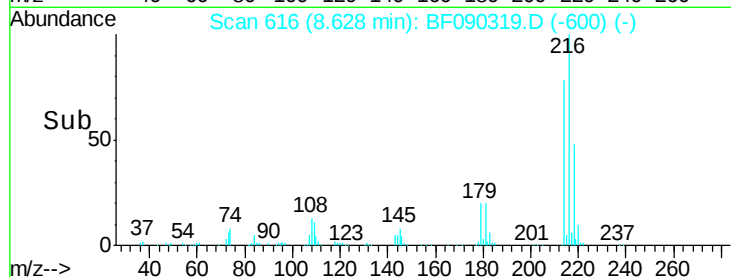
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 53.51 ng
 RT: 8.63 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Tgt Ion:	216	Resp:	293684
Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.7	95.5
179	21.9	18.5	27.7
108	19.8	19.5	29.3

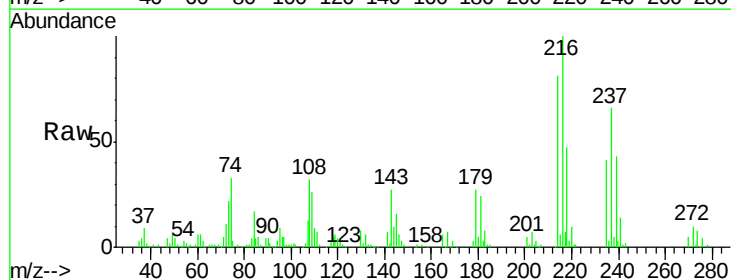


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

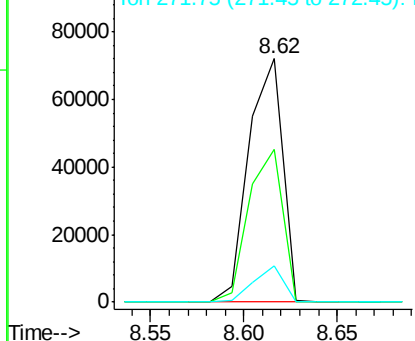
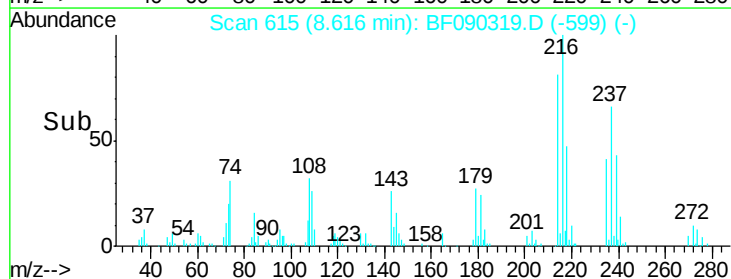


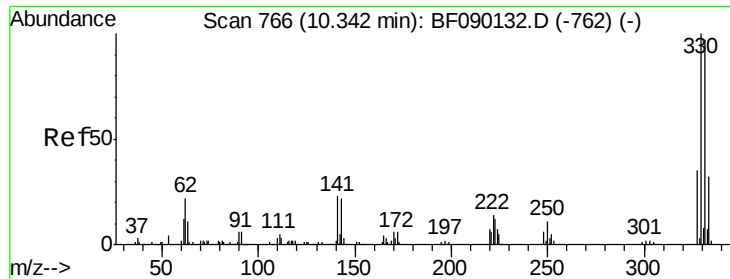
#40
 Hexachlorocyclopentadiene
 Concen: 33.46 ng
 RT: 8.62 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion:	237	Resp:	90633
Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.5	82.5
272	15.0	0.0	32.0



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

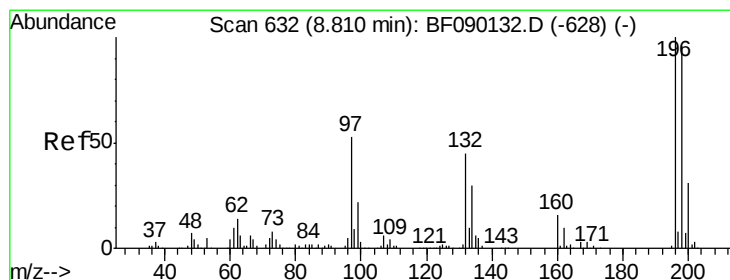
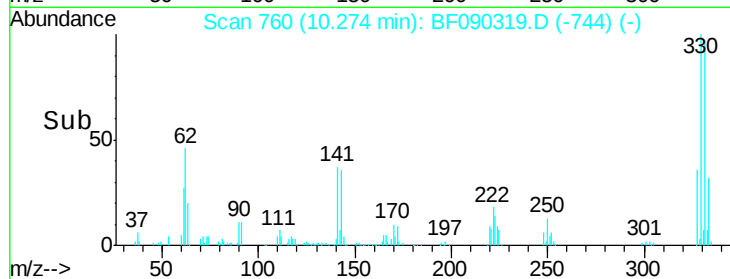
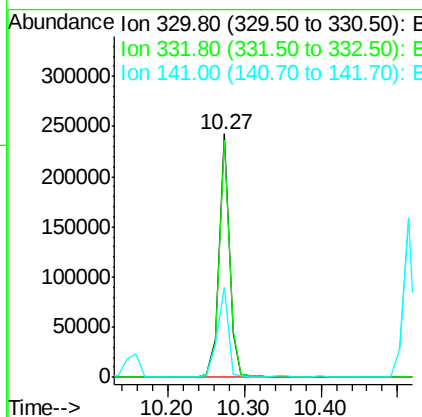
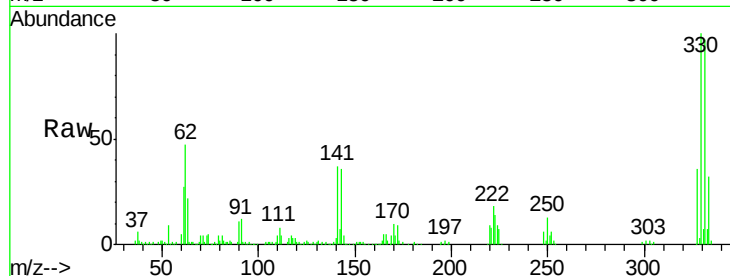




#41
 2,4,6-Tribromophenol
 Concen: 112.52 ng
 RT: 10.27 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

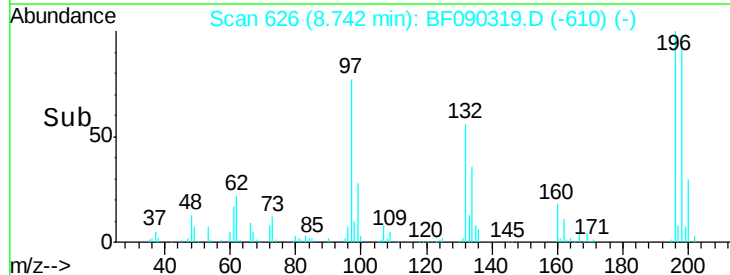
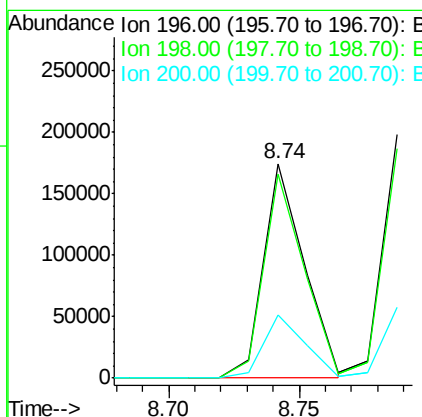
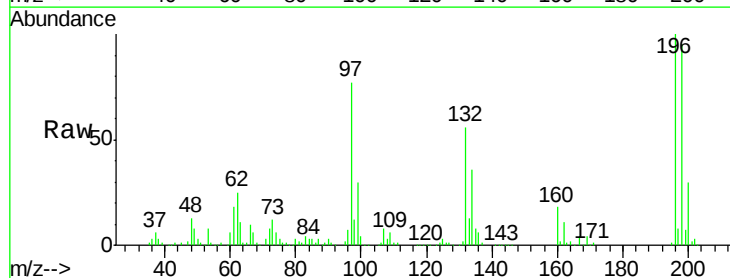
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

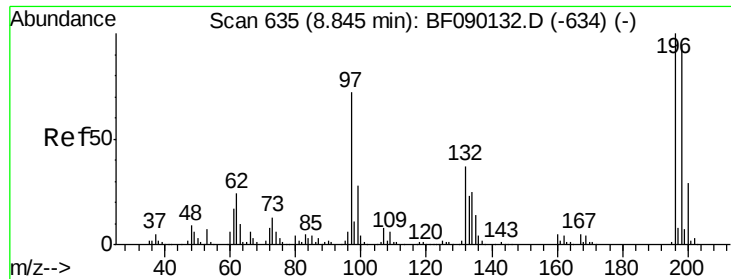
Tgt Ion:330 Resp: 230841
 Ion Ratio Lower Upper
 330 100
 332 97.8 78.1 117.1
 141 38.6 23.9 35.9#



#42
 2,4,6-Trichlorophenol
 Concen: 48.66 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion:196 Resp: 190316
 Ion Ratio Lower Upper
 196 100
 198 94.8 76.3 114.5
 200 29.5 24.1 36.1

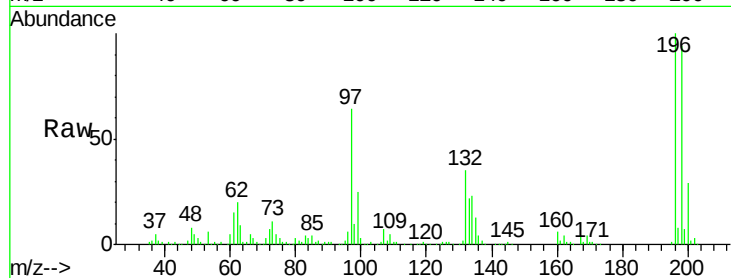




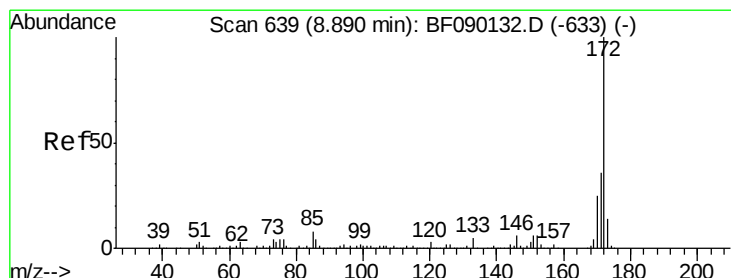
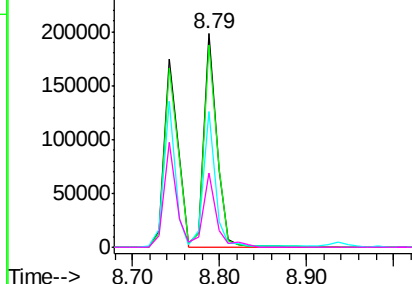
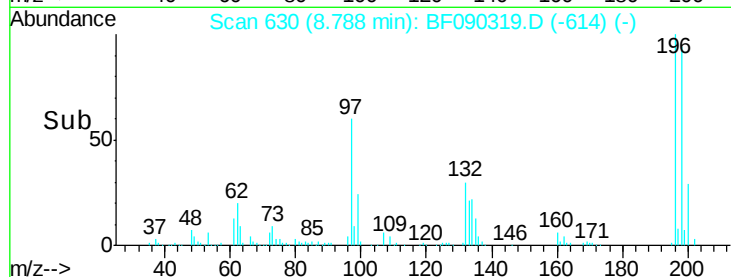
#43
 2,4,5-Trichlorophenol
 Concen: 50.19 ng
 RT: 8.79 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Tgt Ion:196 Resp: 203272
 Ion Ratio Lower Upper
 196 100
 198 94.4 76.6 114.8
 97 63.8 34.4 51.6#
 132 34.5 22.2 33.2#

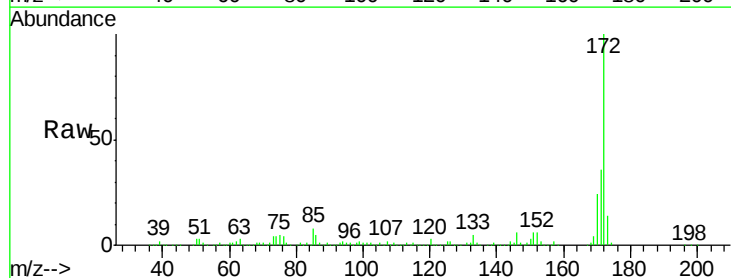


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

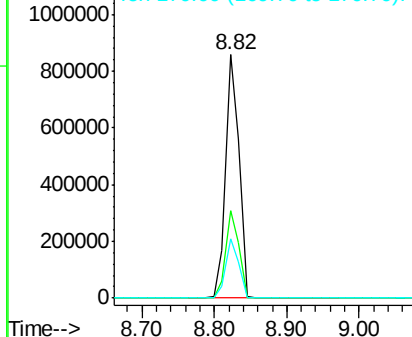
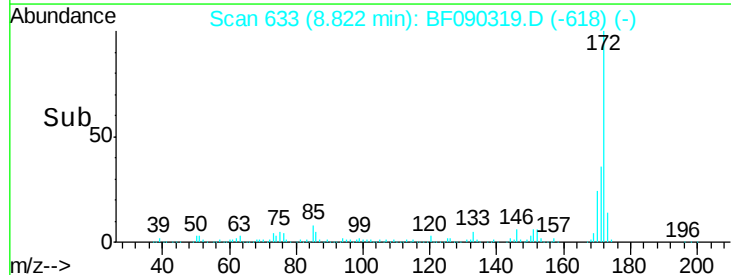


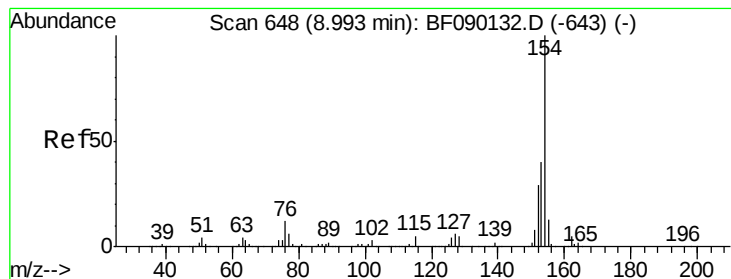
#44
 2-Fluorobiphenyl
 Concen: 91.06 ng
 RT: 8.82 min Scan# 633
 Delta R.T. -0.03 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion:172 Resp: 1109086
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.2 43.8
 170 24.2 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 50.24 ng

RT: 8.92 min Scan# 642

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

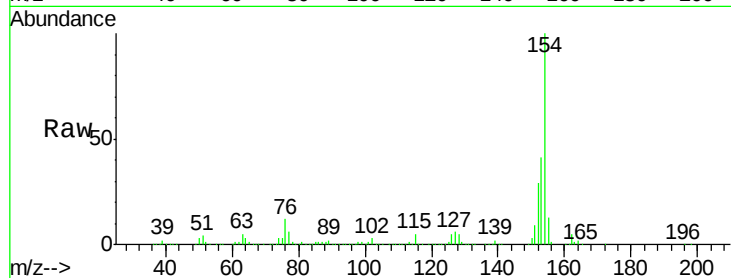
Tgt Ion:154 Resp: 859480

Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

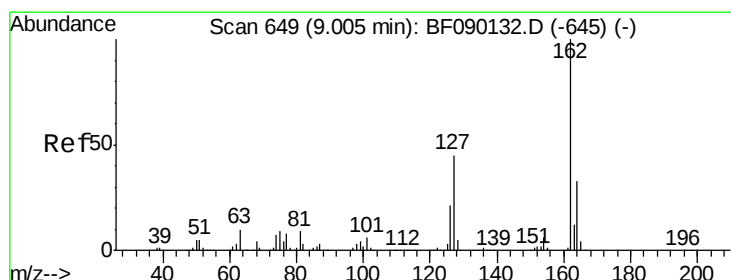
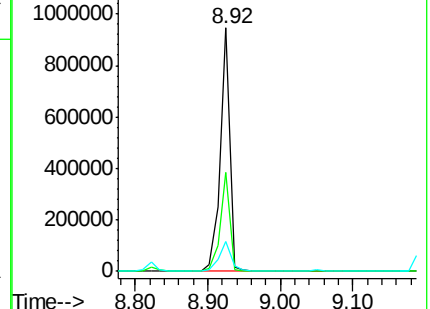
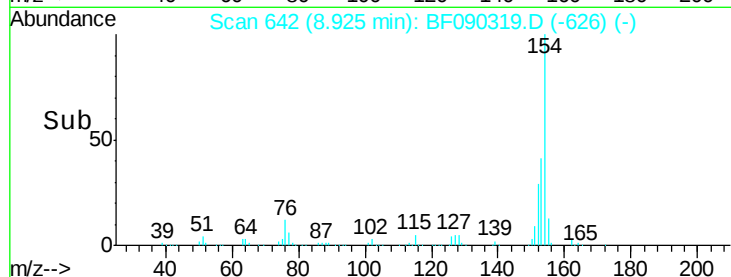
76 12.3 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BFO



#46

2-Chloronaphthalene

Concen: 47.54 ng

RT: 8.94 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

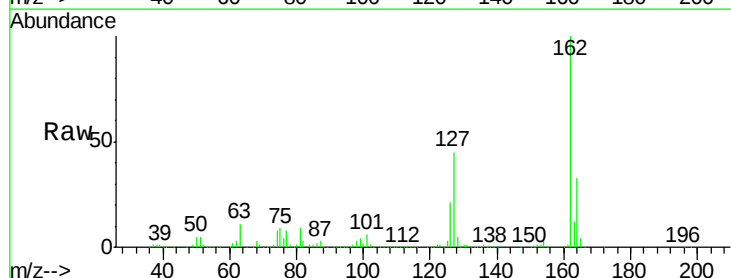
Tgt Ion:162 Resp: 599943

Ion Ratio Lower Upper

162 100

127 45.2 34.0 51.0

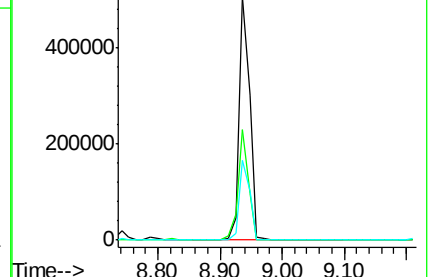
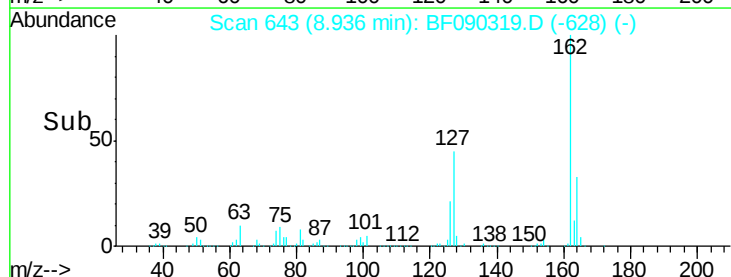
164 32.6 26.8 40.2

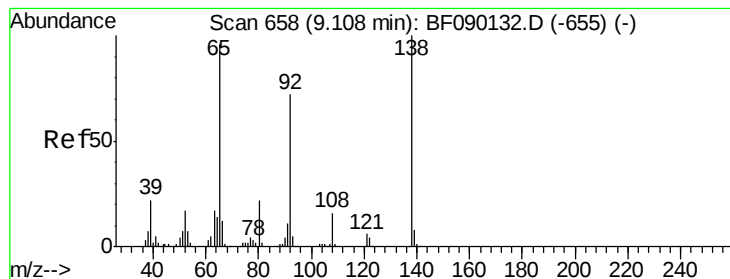


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 59.42 ng

RT: 9.05 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

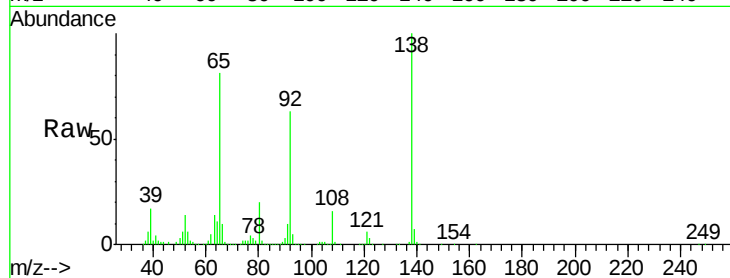
Tgt Ion: 65 Resp: 226104

Ion Ratio Lower Upper

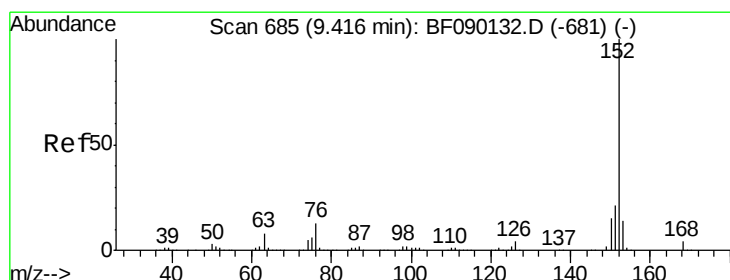
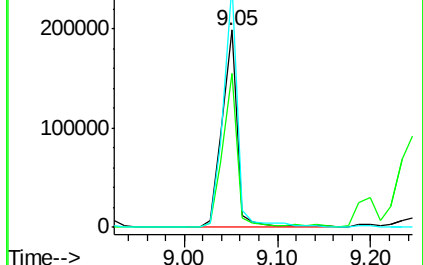
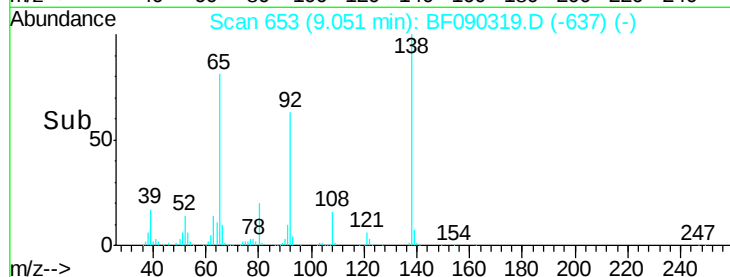
65 100

92 78.3 66.1 99.1

138 123.5 104.1 156.1



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 43.18 ng

RT: 9.35 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

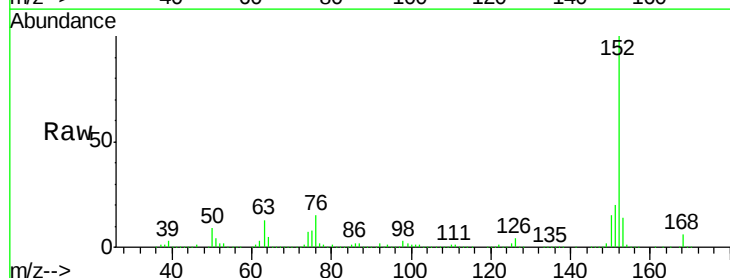
Tgt Ion: 152 Resp: 884959

Ion Ratio Lower Upper

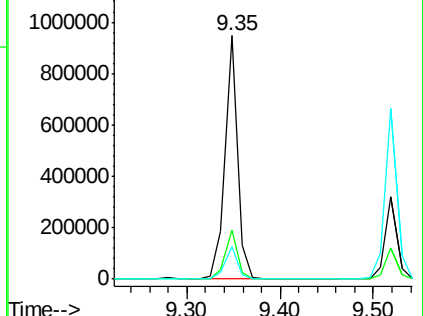
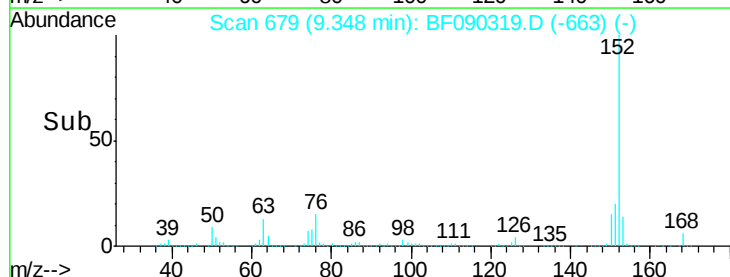
152 100

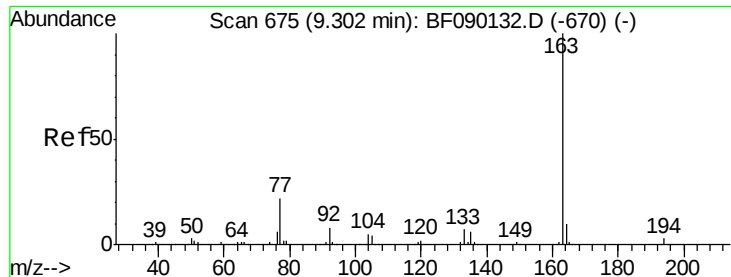
151 20.3 16.5 24.7

153 13.5 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 90.10 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

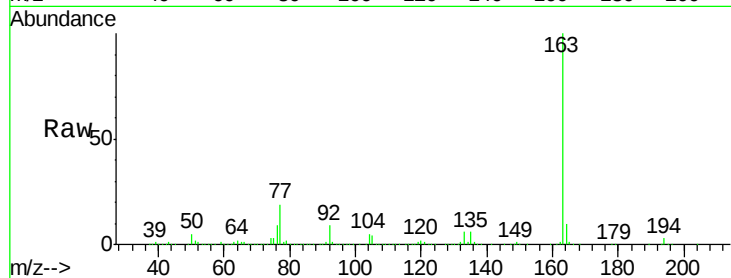
Tgt Ion:163 Resp: 1372215

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

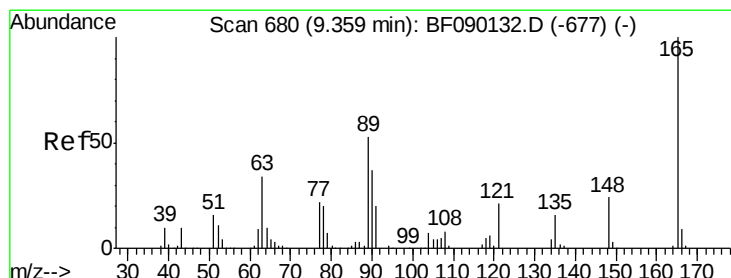
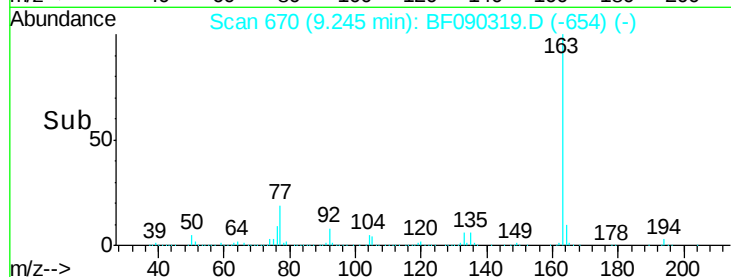
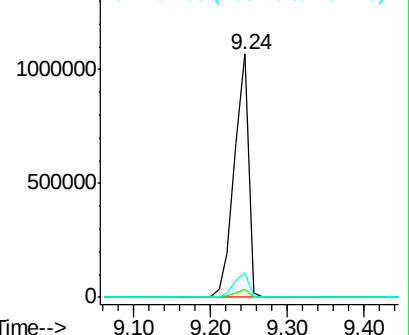
164 10.2 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 49.89 ng

RT: 9.30 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

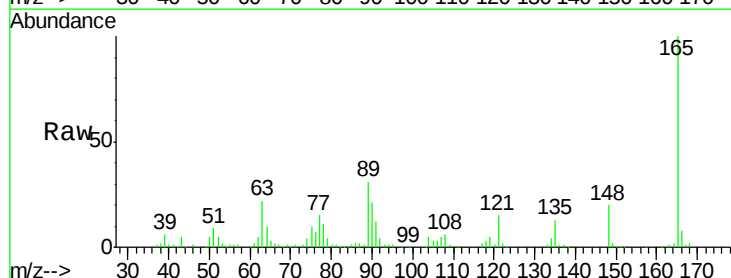
Tgt Ion:165 Resp: 169346

Ion Ratio Lower Upper

165 100

63 21.8 49.9 74.9#

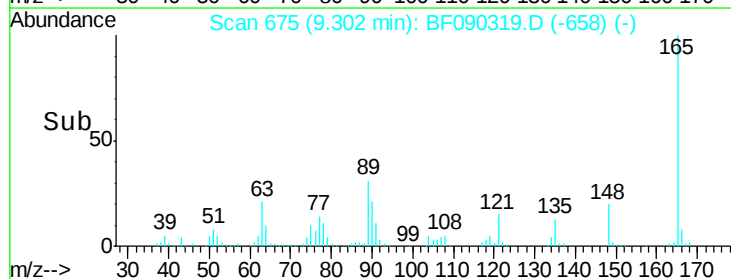
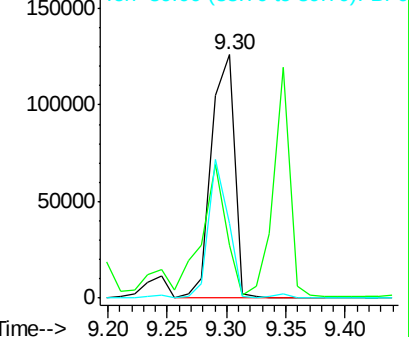
89 30.9 51.0 76.4#

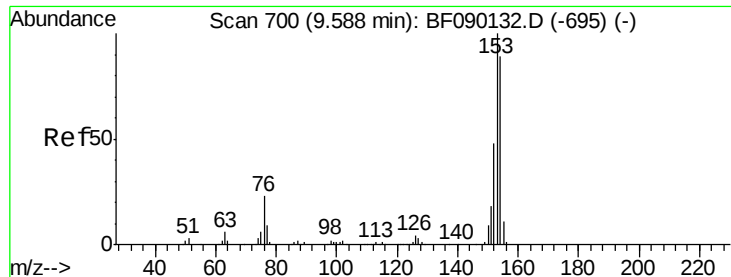


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.28 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

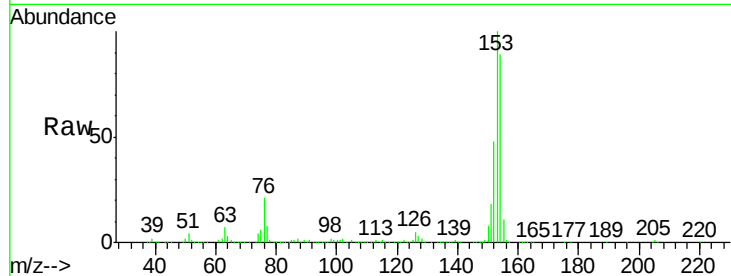
Tgt Ion:154 Resp: 526509

Ion Ratio Lower Upper

154 100

153 112.7 90.8 136.2

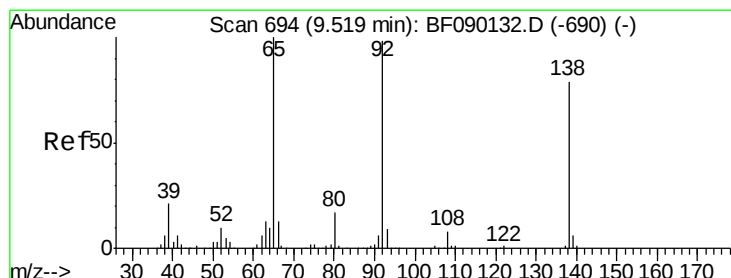
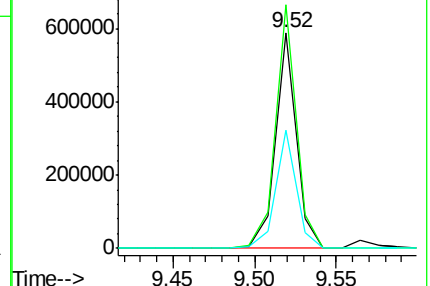
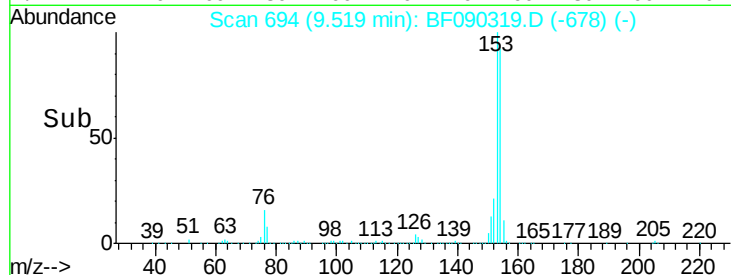
152 54.5 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.58 ng

RT: 9.46 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

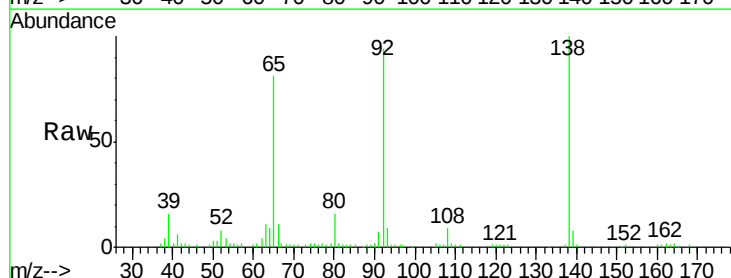
Tgt Ion:138 Resp: 121712

Ion Ratio Lower Upper

138 100

108 8.8 7.8 11.6

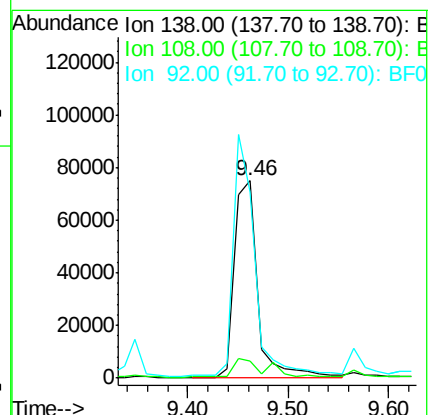
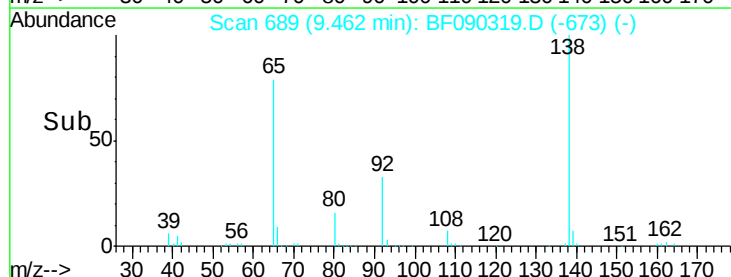
92 94.1 90.7 136.1

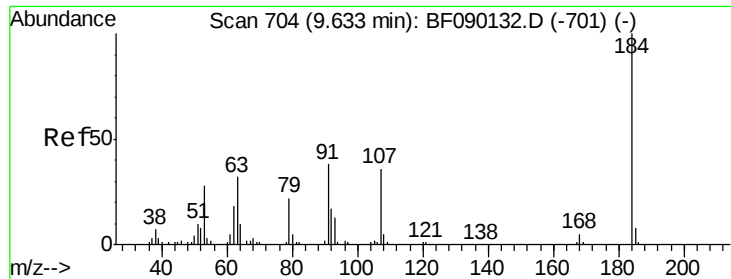


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

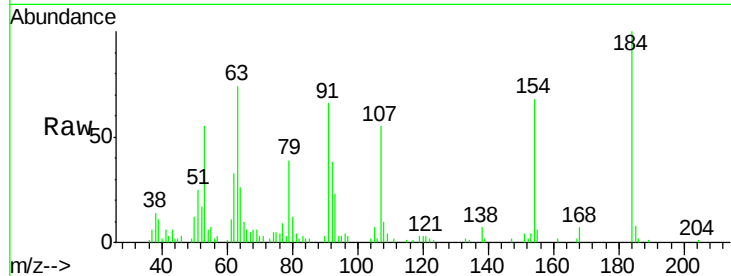




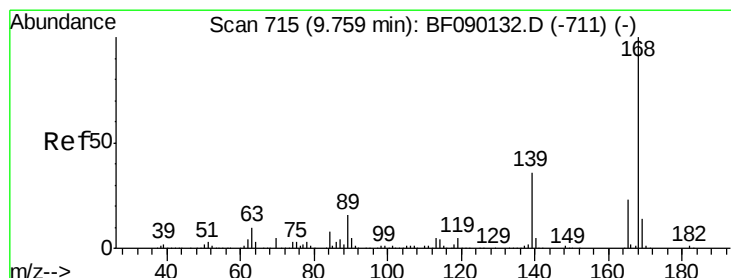
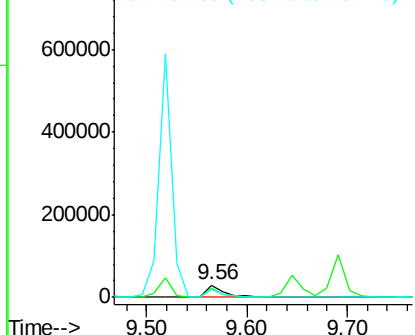
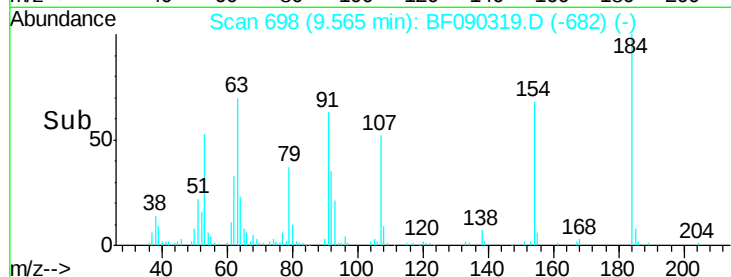
#53
2,4-Dinitrophenol
Concen: 23.28 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Instrument :
BNA_F
ClientSampleId :
PA-4MSD

Tgt Ion:184 Resp: 39786
Ion Ratio Lower Upper
184 100
63 73.8 44.6 67.0#
154 68.1 49.7 74.5

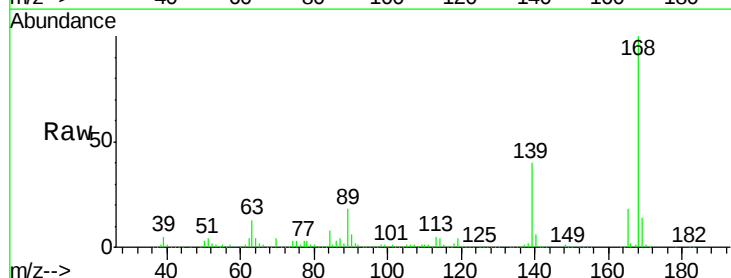


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

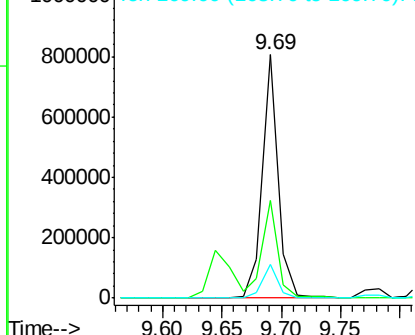
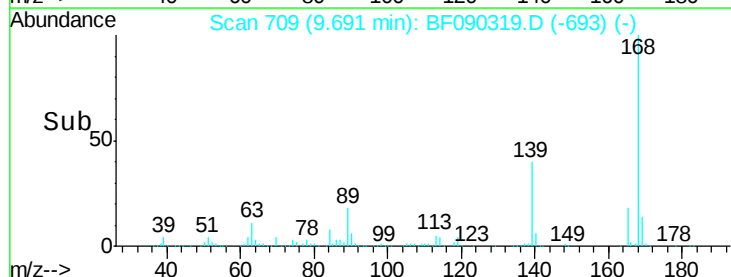


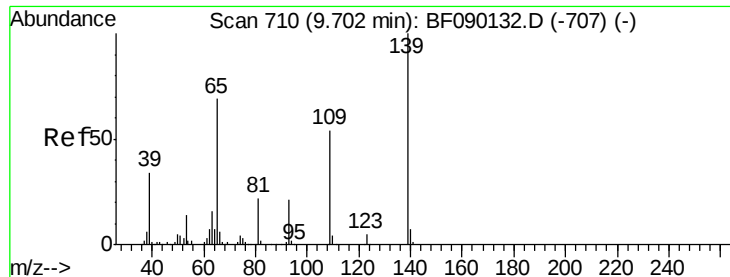
#54
Dibenzofuran
Concen: 47.55 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:168 Resp: 761330
Ion Ratio Lower Upper
168 100
139 40.2 28.8 43.2
169 13.8 10.7 16.1



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 76.75 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampled :

PA-4MSD

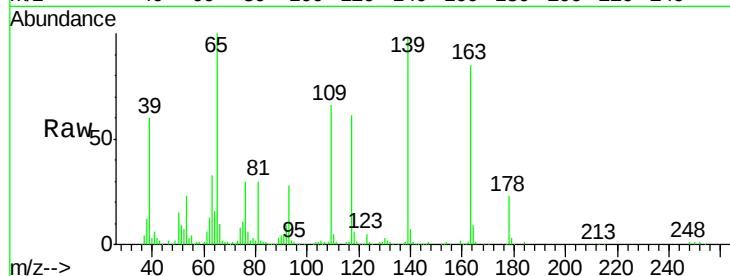
Tgt Ion:139 Resp: 209251

Ion Ratio Lower Upper

139 100

109 66.9 35.6 75.6

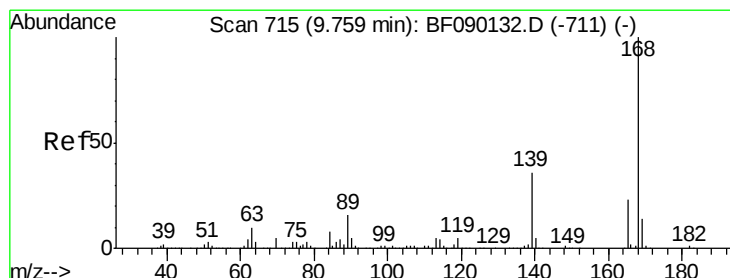
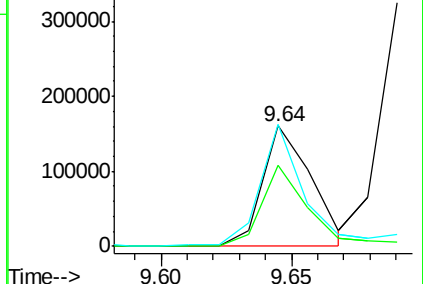
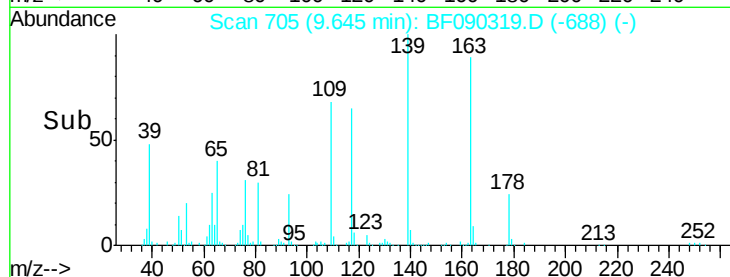
65 102.0 55.5 95.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 44.76 ng

RT: 9.69 min Scan# 709

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Tgt Ion:165 Resp: 179642

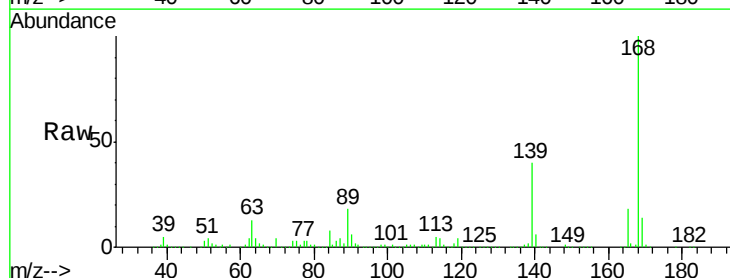
Ion Ratio Lower Upper

165 100

63 72.9 44.4 66.6#

89 101.1 70.1 105.1

182 2.0 1.7 2.5

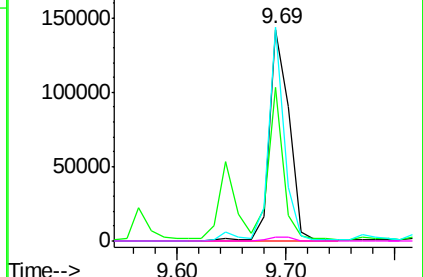
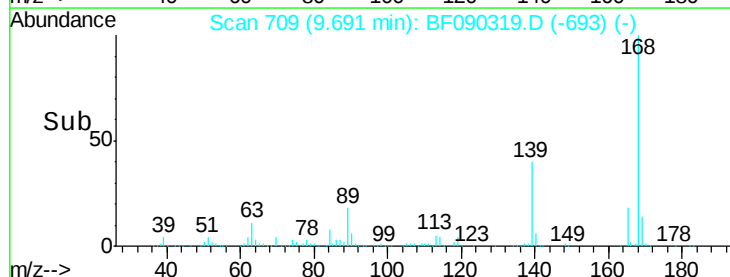


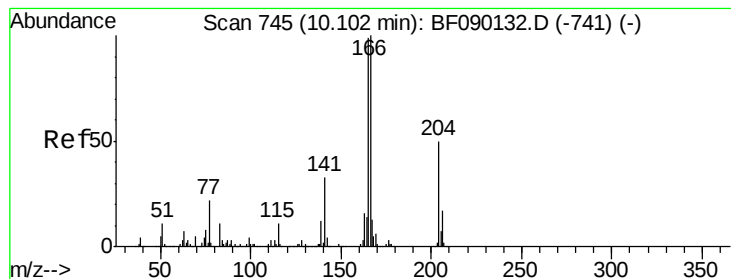
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 51.18 ng

RT: 10.03 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

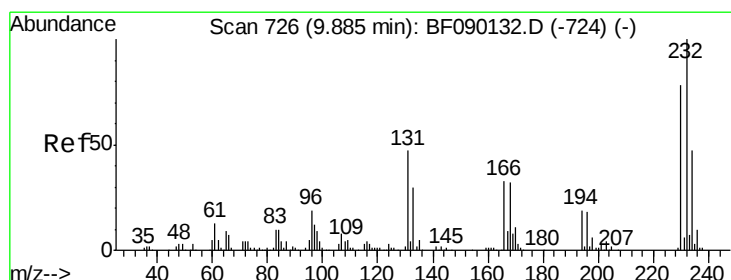
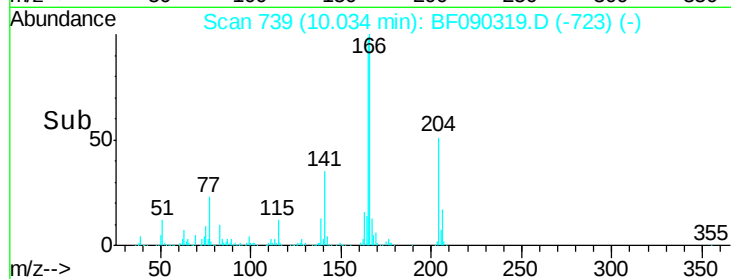
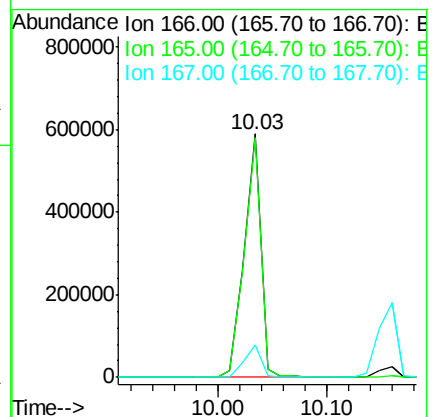
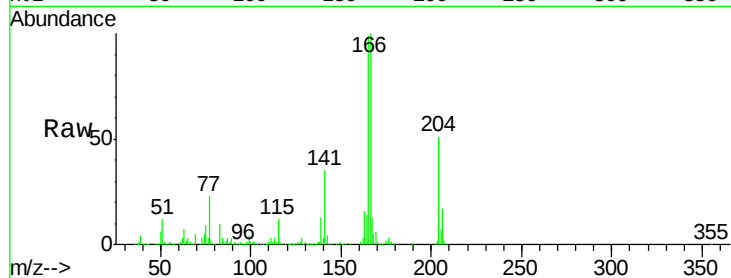
Tgt Ion:166 Resp: 617517

Ion Ratio Lower Upper

166 100

165 98.5 78.5 117.7

167 13.4 11.2 16.8



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.65 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Tgt Ion:232 Resp: 147511

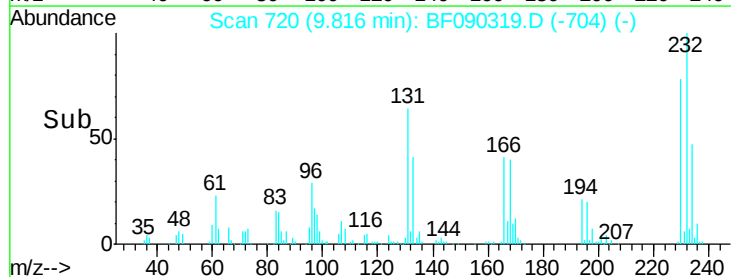
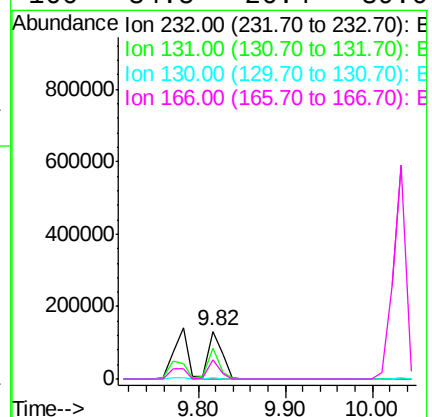
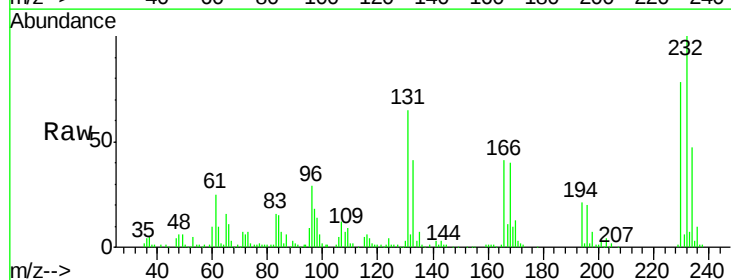
Ion Ratio Lower Upper

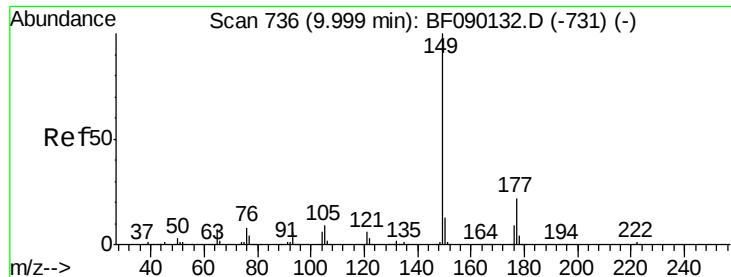
232 100

131 51.7 42.2 63.4

130 2.3 1.9 2.9

166 34.5 26.4 39.6

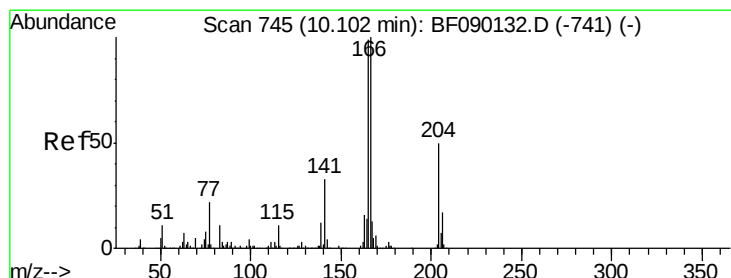
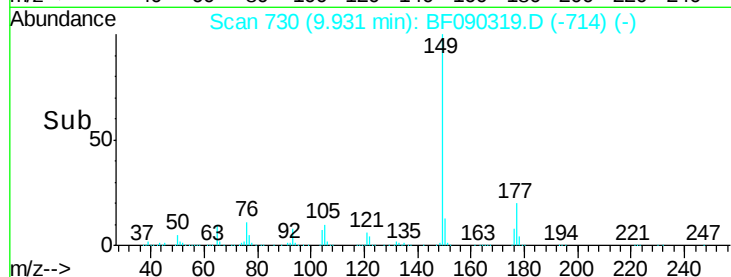
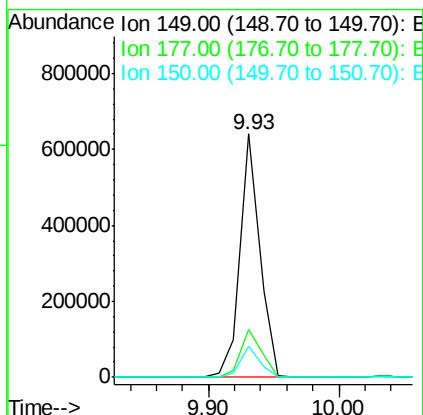
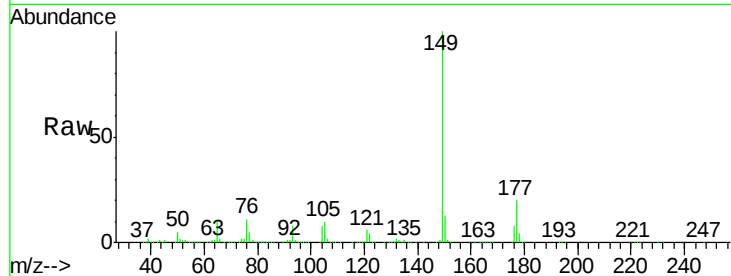




#59
Diethylphthalate
Concen: 45.68 ng
RT: 9.93 min Scan# 730
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

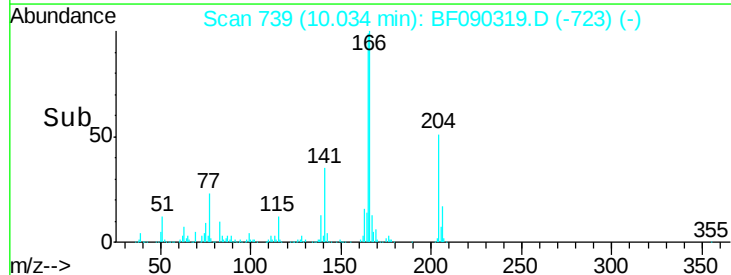
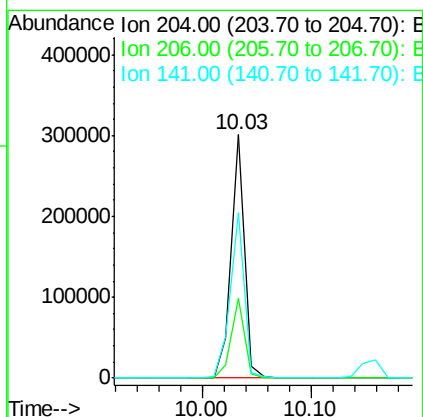
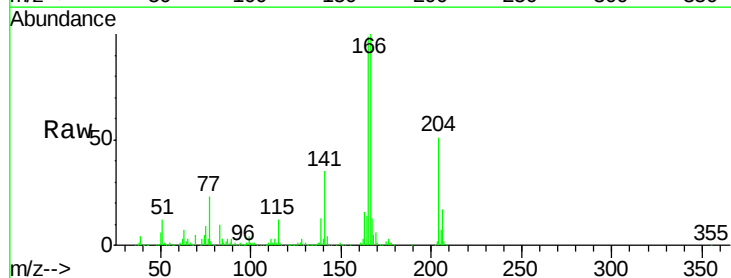
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

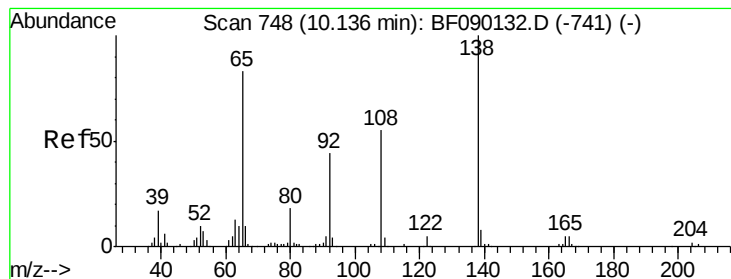
Tgt Ion:149 Resp: 671878
Ion Ratio Lower Upper
149 100
177 19.7 15.8 23.6
150 12.9 10.4 15.6



#60
4-Chlorophenyl-phenylether
Concen: 46.40 ng
RT: 10.03 min Scan# 739
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:204 Resp: 255321
Ion Ratio Lower Upper
204 100
206 33.0 25.6 38.4
141 67.8 64.4 96.6





#61

4-Nitroaniline

Concen: 42.04 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

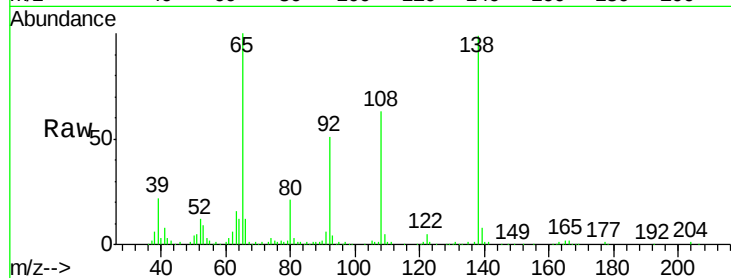
Tgt Ion:138 Resp: 170538

Ion Ratio Lower Upper

138 100

92 50.8 23.8 63.8

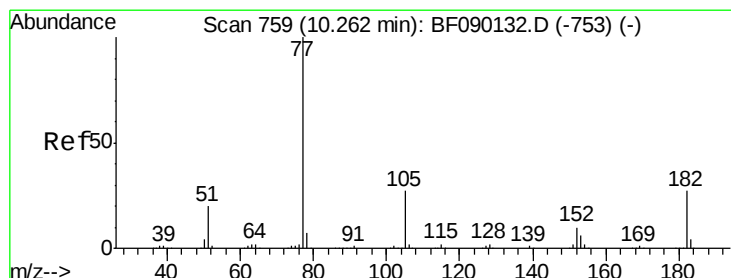
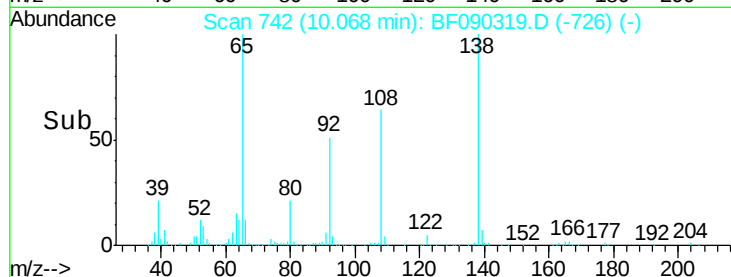
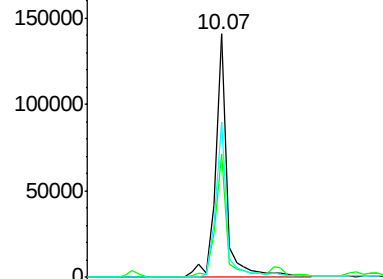
108 63.7 35.0 75.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 50.71 ng

RT: 10.19 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Tgt Ion: 77 Resp: 776384

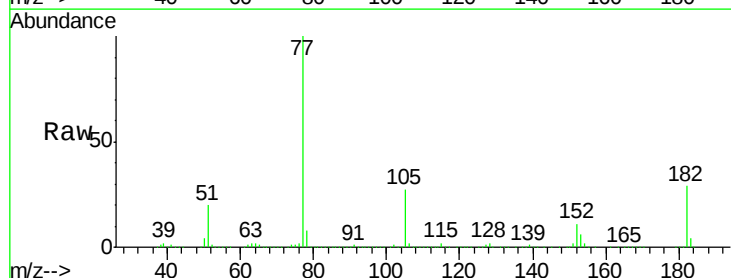
Ion Ratio Lower Upper

77 100

182 28.5 0.0 38.4

105 26.7 3.8 43.8

51 20.2 2.6 42.6

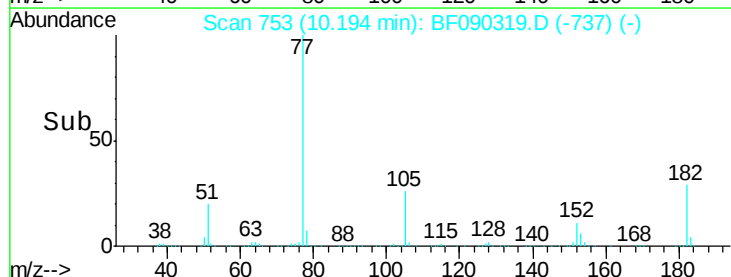
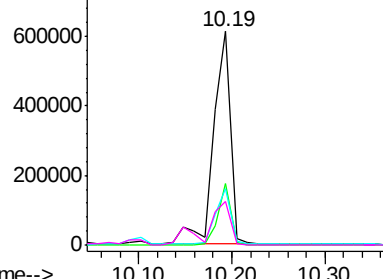


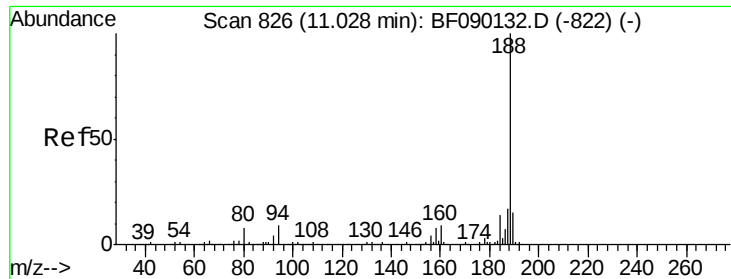
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

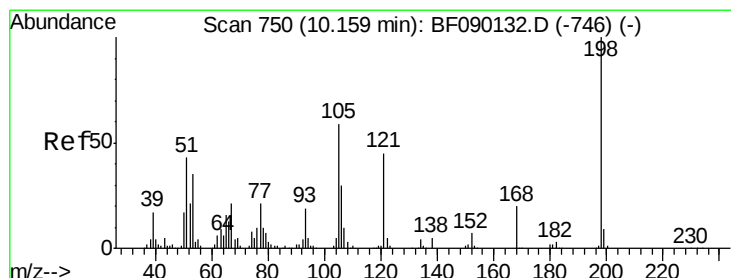
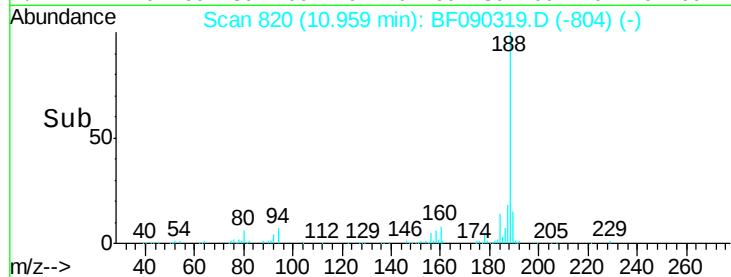
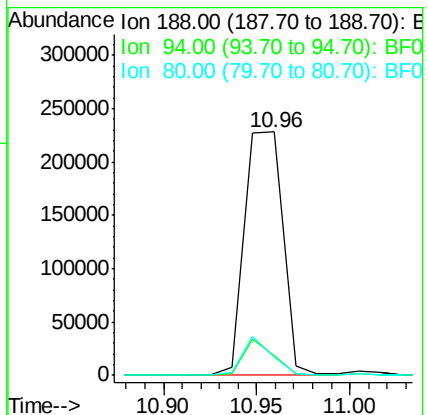
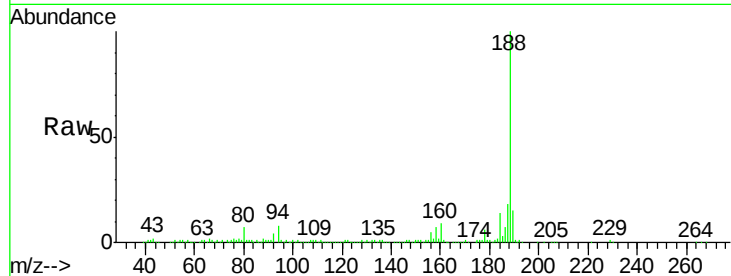




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.96 min Scan# 820
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

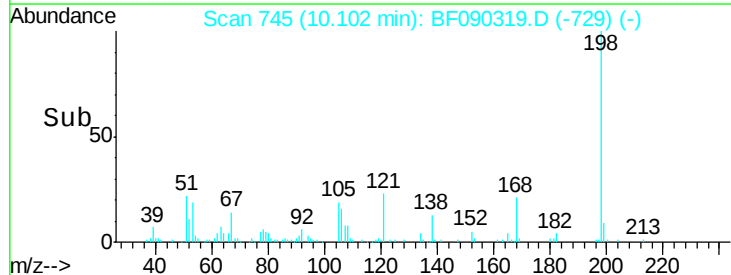
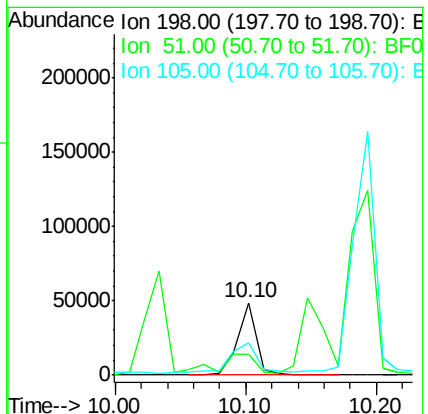
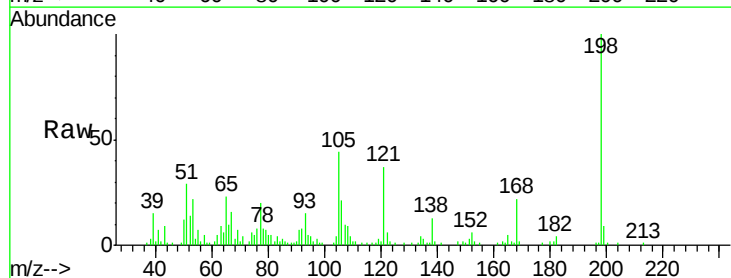
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

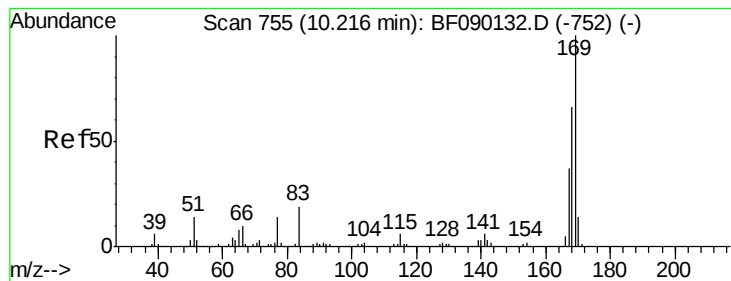
Tgt Ion:188 Resp: 325715
Ion Ratio Lower Upper
188 100
94 7.8 10.5 15.7#
80 7.3 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 23.78 ng
RT: 10.10 min Scan# 745
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:198 Resp: 48510
Ion Ratio Lower Upper
198 100
51 28.7 5.5 45.5
105 44.3 21.8 61.8





#65

n-Nitrosodiphenylamine

Concen: 54.84 ng

RT: 10.16 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

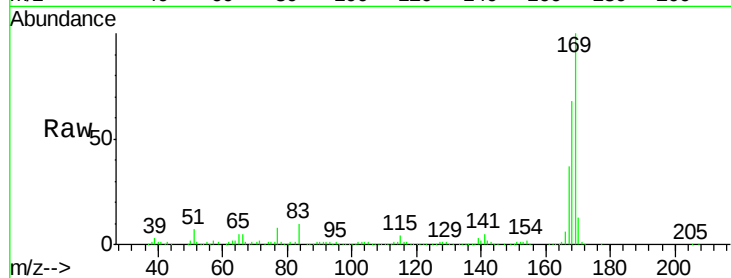
Tgt Ion:169 Resp: 587401

Ion Ratio Lower Upper

169 100

168 67.7 54.2 81.4

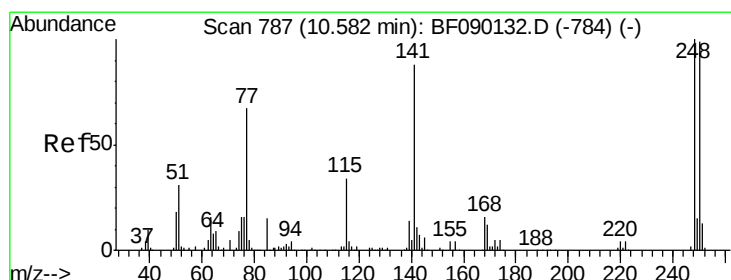
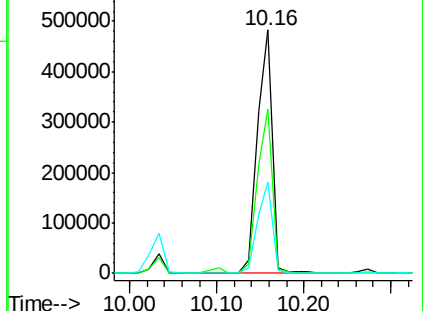
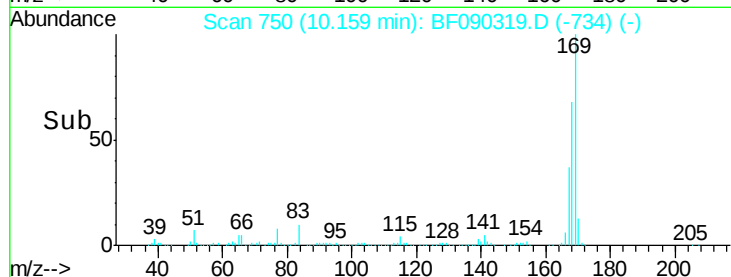
167 37.3 30.3 45.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 48.82 ng

RT: 10.51 min Scan# 781

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

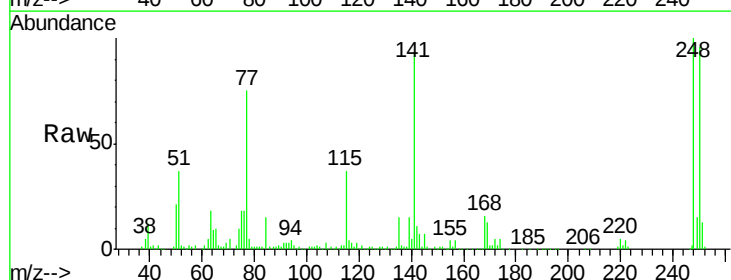
Tgt Ion:248 Resp: 156470

Ion Ratio Lower Upper

248 100

250 96.1 79.4 119.2

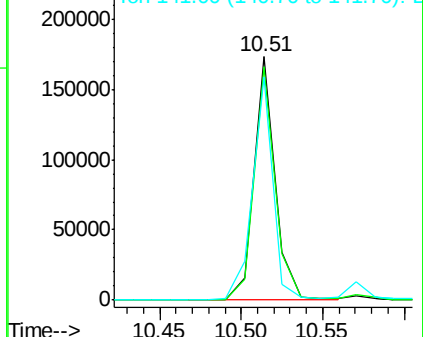
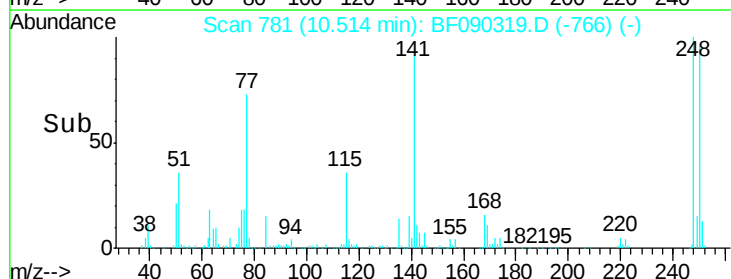
141 91.5 49.3 73.9#

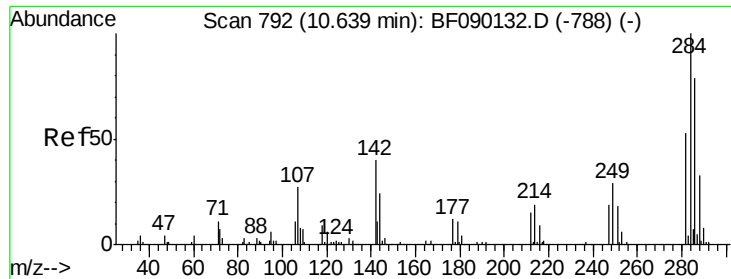


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

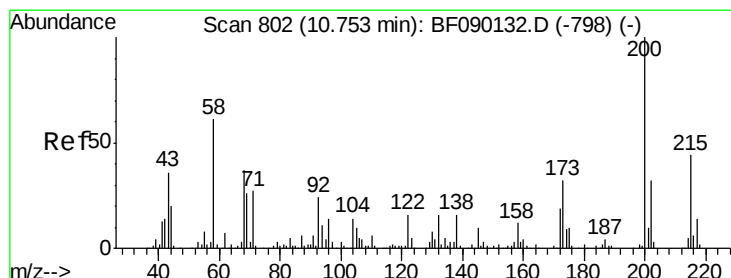
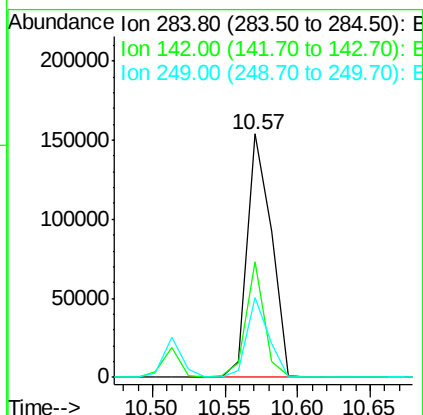
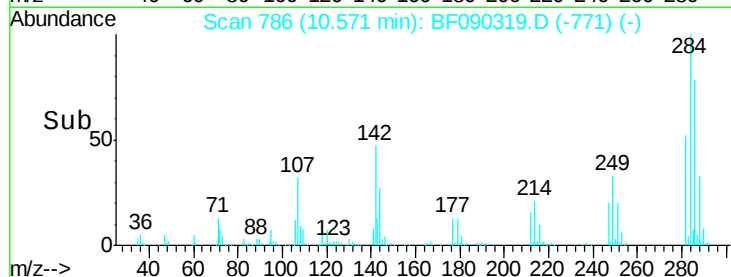
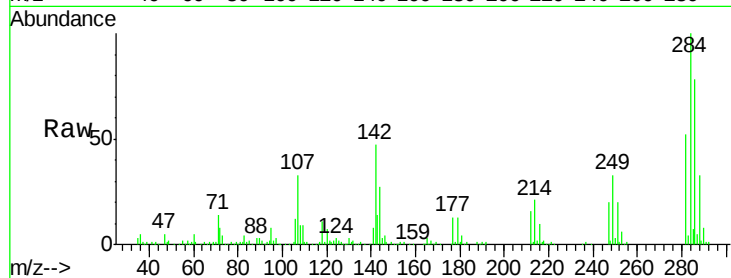




#67
Hexachlorobenzene
Concen: 47.51 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.03 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

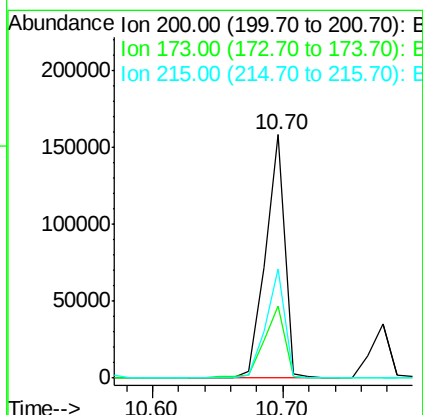
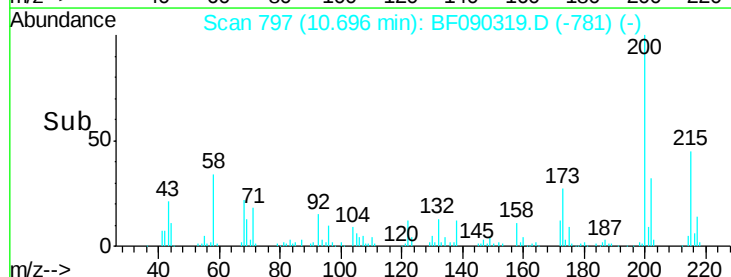
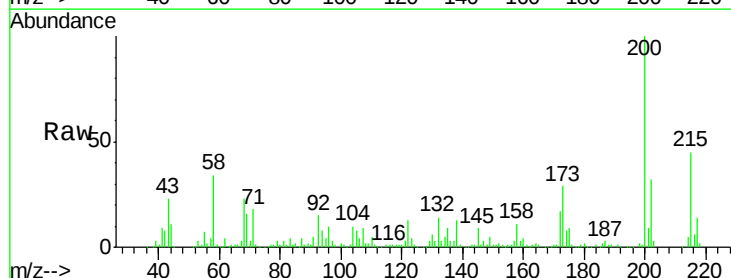
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

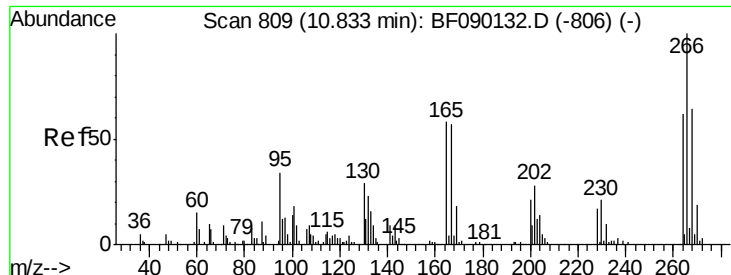
Tgt Ion:284 Resp: 177475
Ion Ratio Lower Upper
284 100
142 47.4 24.0 36.0#
249 32.7 23.8 35.6



#68
Atrazine
Concen: 56.04 ng
RT: 10.70 min Scan# 797
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:200 Resp: 164466
Ion Ratio Lower Upper
200 100
173 29.5 9.3 49.3
215 45.0 26.1 66.1

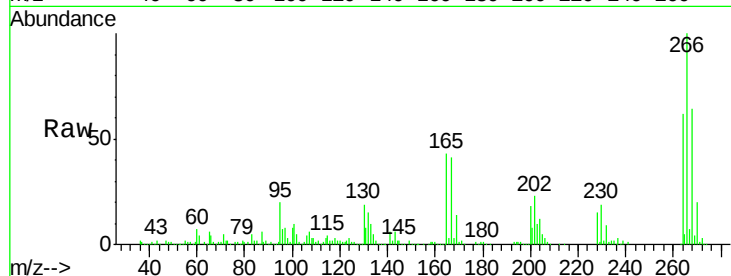




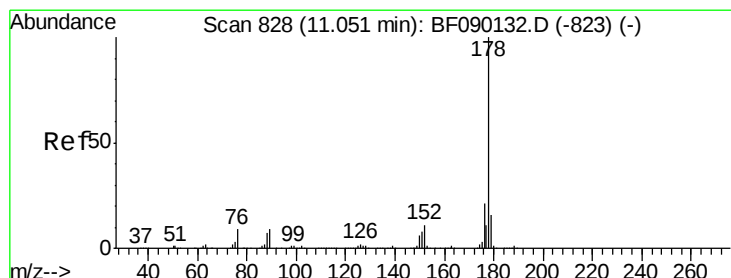
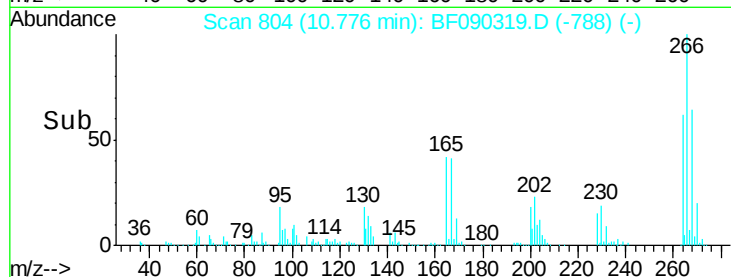
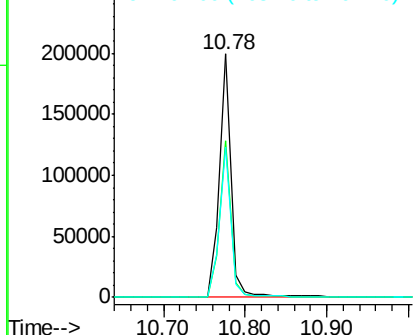
#69
 Pentachlorophenol
 Concen: 94.75 ng
 RT: 10.78 min Scan# 804
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Tgt Ion: 266 Resp: 200897
 Ion Ratio Lower Upper
 266 100
 268 64.2 52.1 78.1
 264 61.8 50.3 75.5

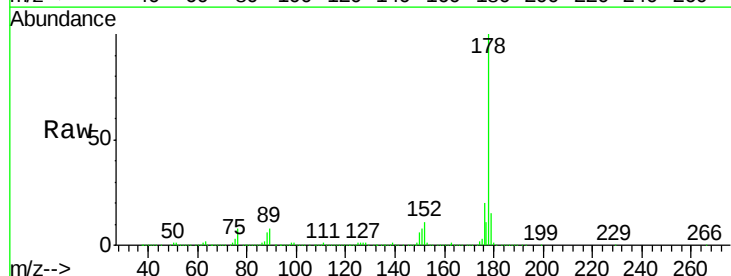


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

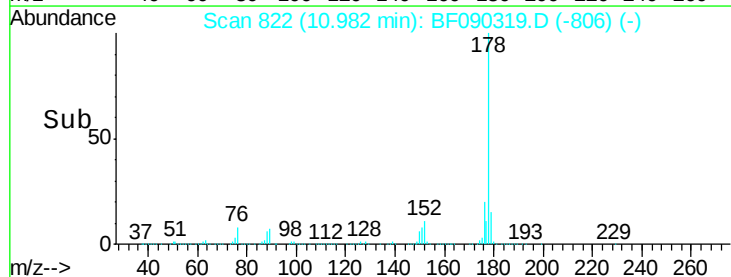
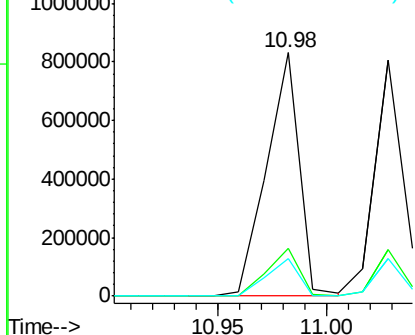


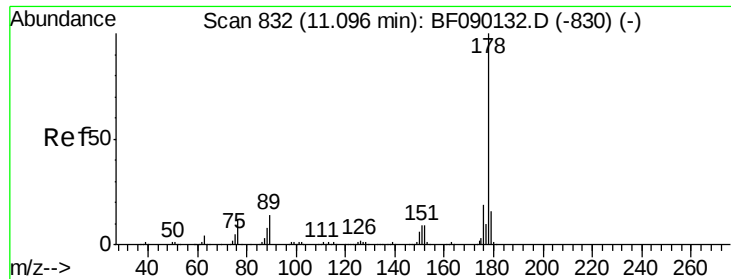
#70
 Phenanthrene
 Concen: 57.18 ng
 RT: 10.98 min Scan# 822
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion: 178 Resp: 870948
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.9 23.9
 179 15.3 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

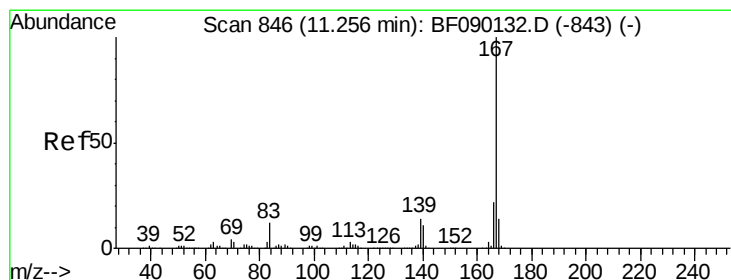
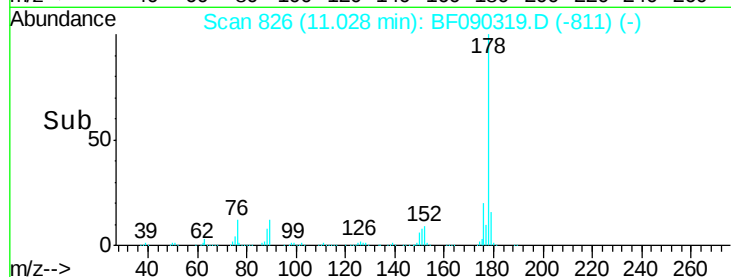
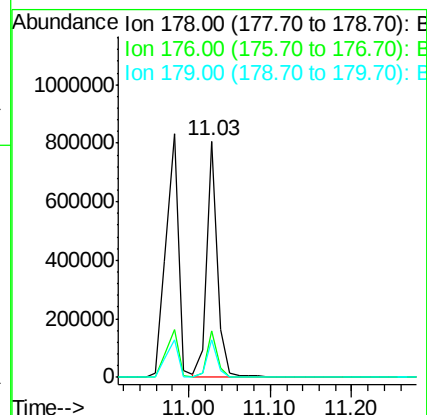
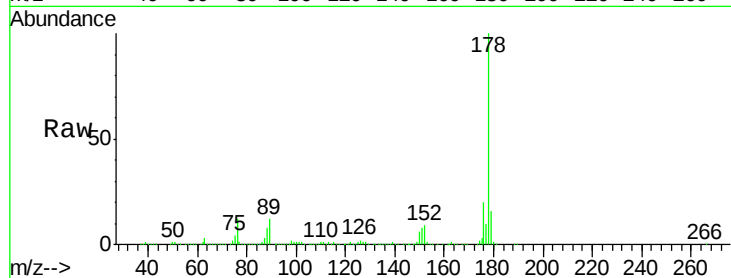




#71
 Anthracene
 Concen: 47.24 ng
 RT: 11.03 min Scan# 826
 Delta R.T. -0.03 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

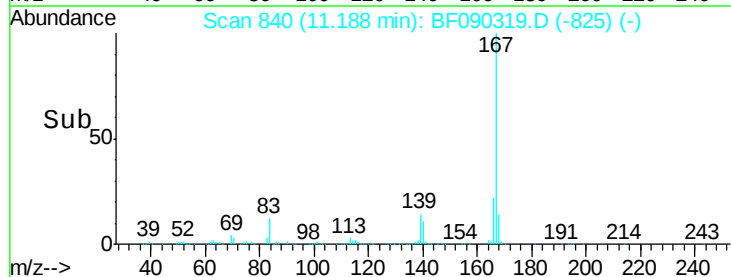
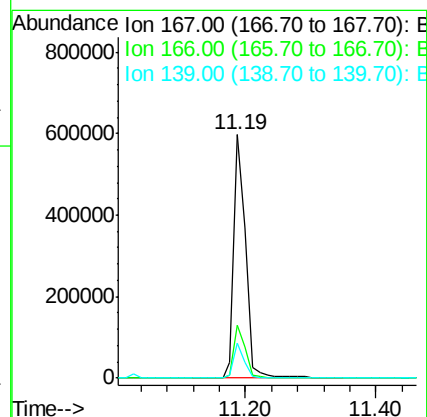
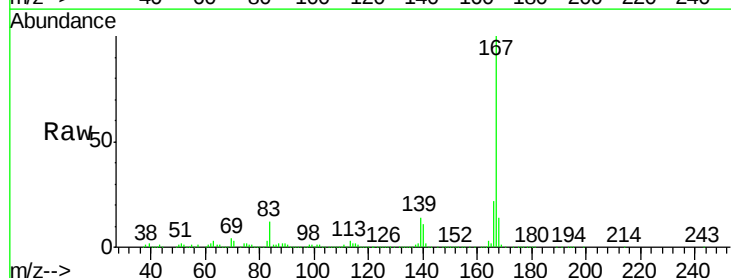
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

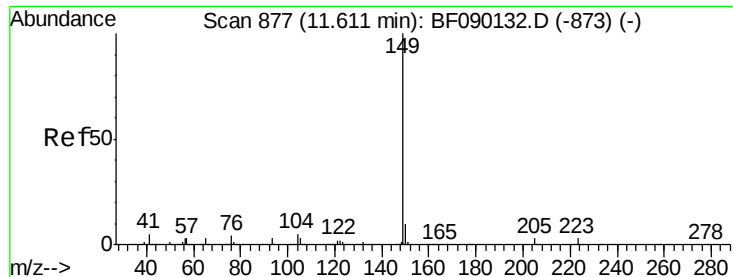
Tgt Ion:178 Resp: 754769
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.6
 179 16.0 12.6 19.0



#72
 Carbazole
 Concen: 43.88 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.03 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion:167 Resp: 741178
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.0 27.0
 139 14.3 10.4 15.6





#73

Di-n-butylphthalate

Concen: 48.94 ng

RT: 11.54 min Scan# 871

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

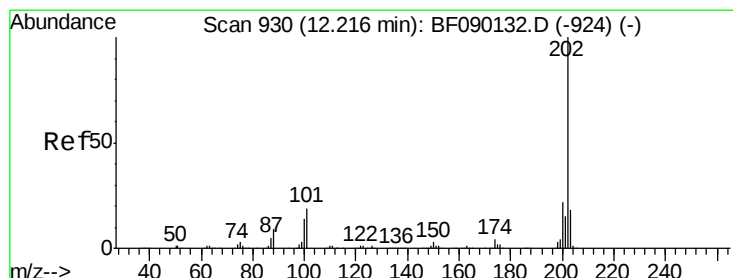
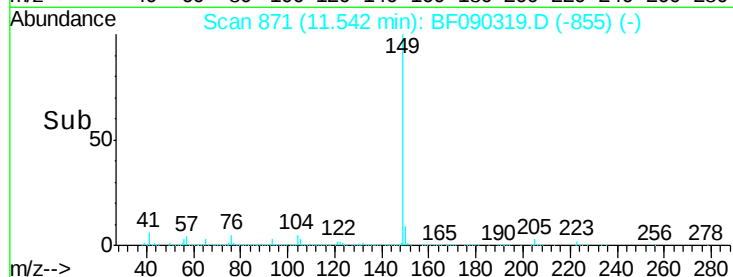
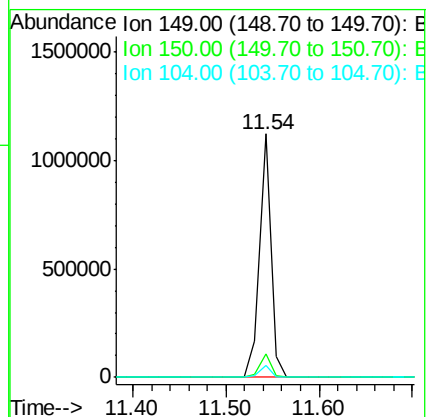
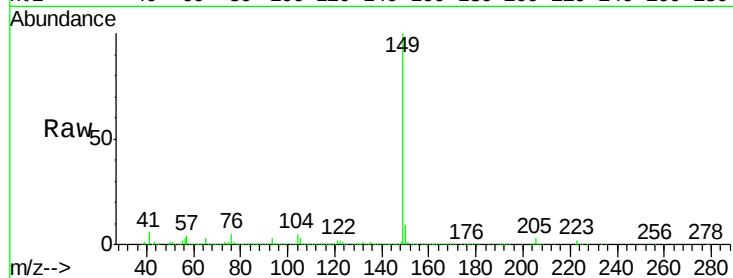
Tgt Ion:149 Resp: 961144

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.8

104 4.8 3.9 5.9



#74

Fluoranthene

Concen: 46.78 ng

RT: 12.15 min Scan# 924

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

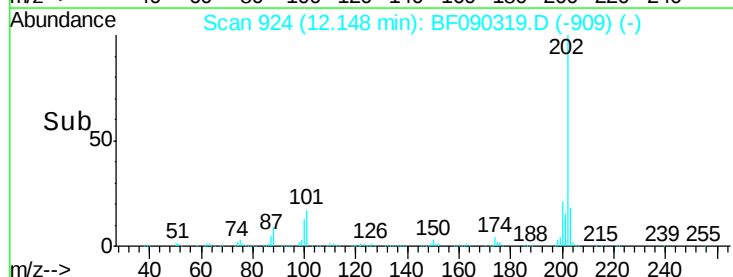
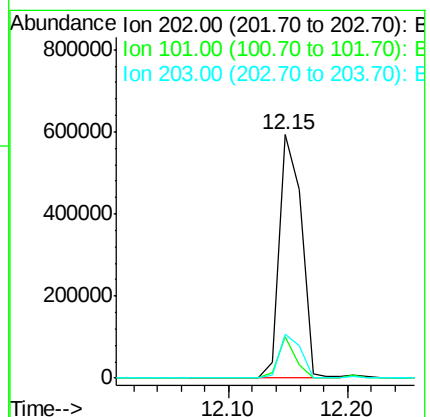
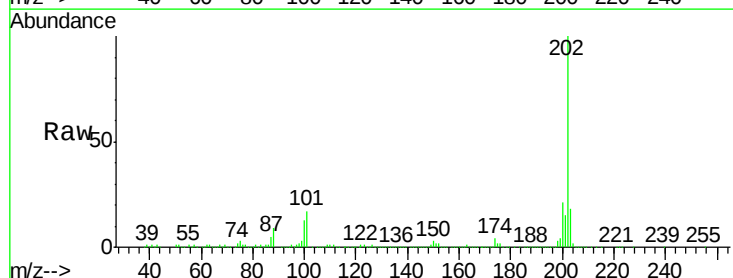
Tgt Ion:202 Resp: 764879

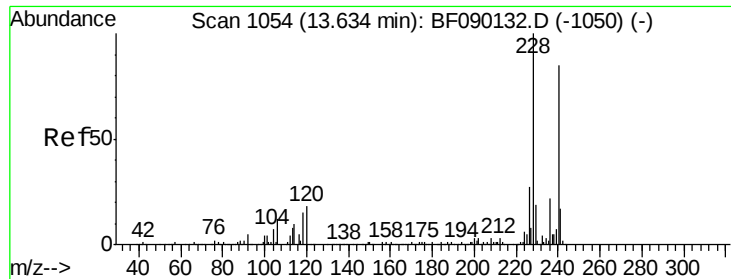
Ion Ratio Lower Upper

202 100

101 17.2 0.0 36.1

203 18.0 0.0 38.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

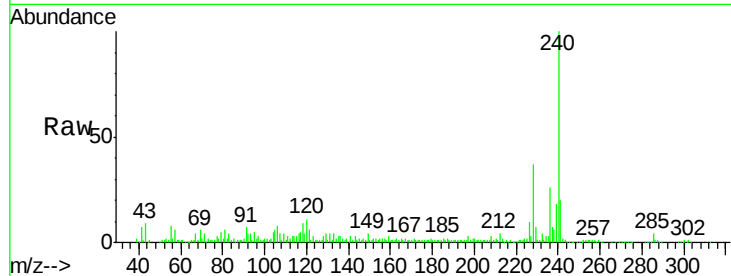
Tgt Ion:240 Resp: 227827

Ion Ratio Lower Upper

240 100

120 11.2 10.6 16.0

236 25.7 21.6 32.4

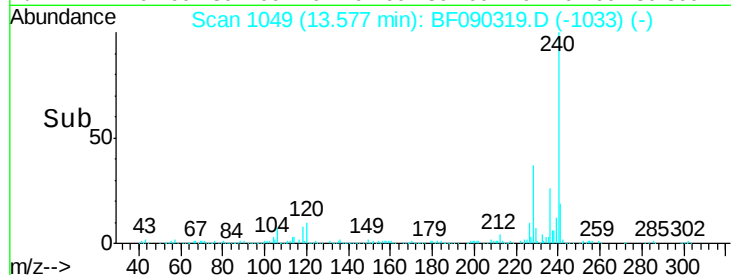


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



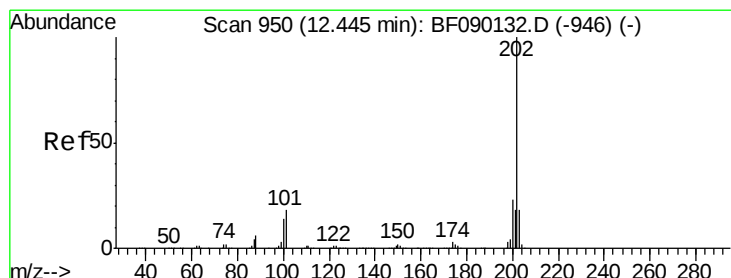
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



#77

Pyrene

Concen: 47.18 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

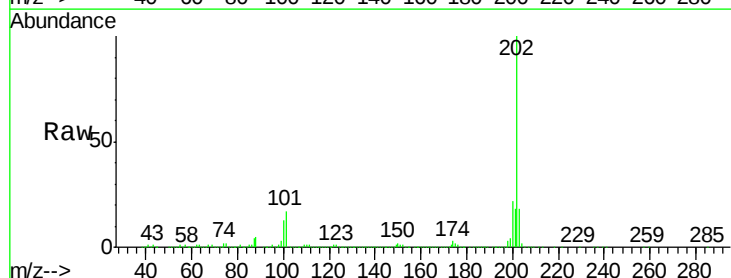
Tgt Ion:202 Resp: 735466

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

203 17.8 14.2 21.4

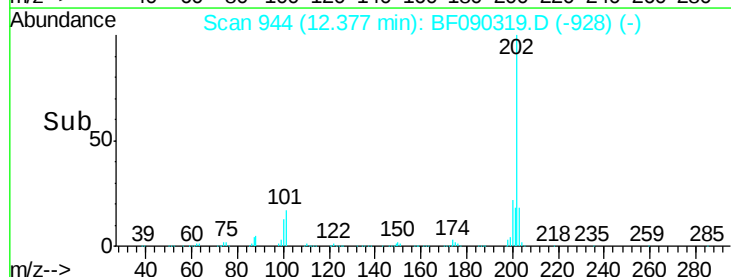


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



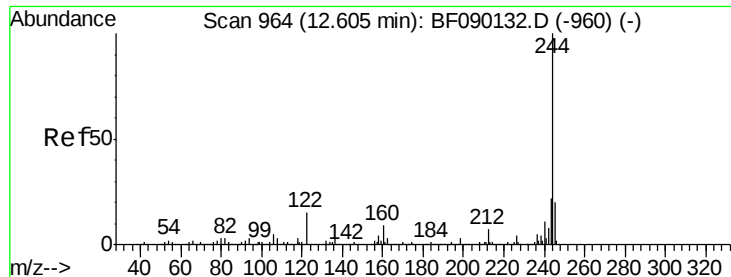
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#78

Terphenyl-d14

Concen: 79.49 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

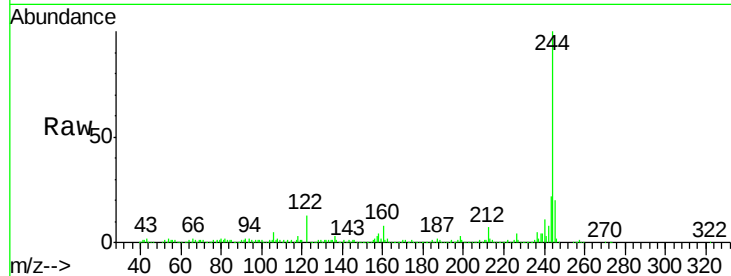
Tgt Ion:244 Resp: 713315

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

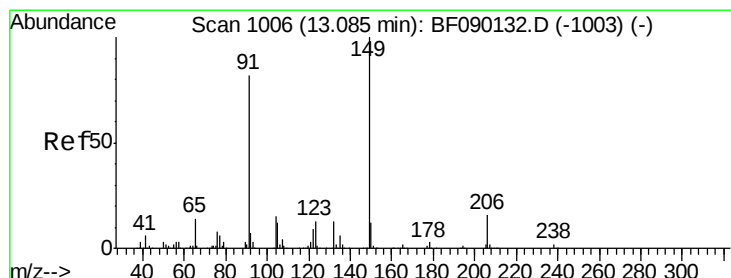
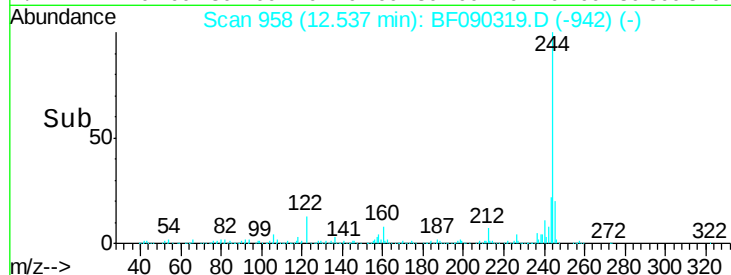
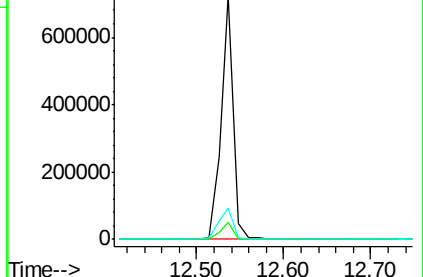
122 13.0 9.4 14.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 49.38 ng

RT: 13.03 min Scan# 1001

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

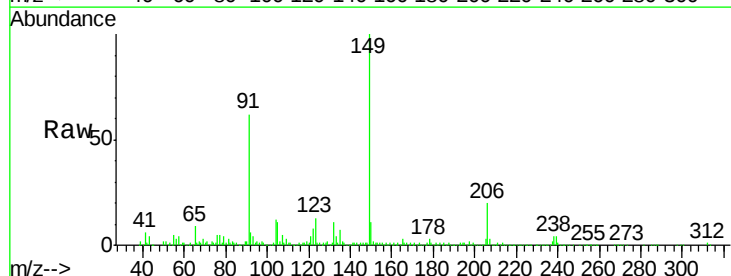
Tgt Ion:149 Resp: 376543

Ion Ratio Lower Upper

149 100

91 61.6 49.8 74.6

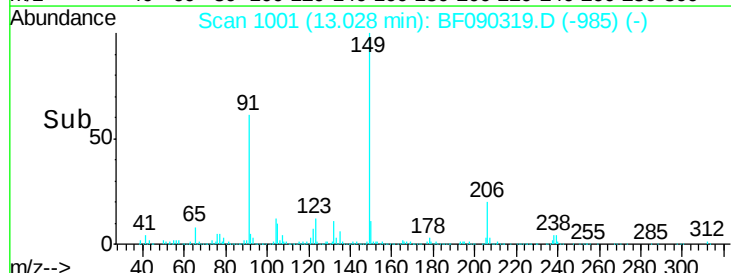
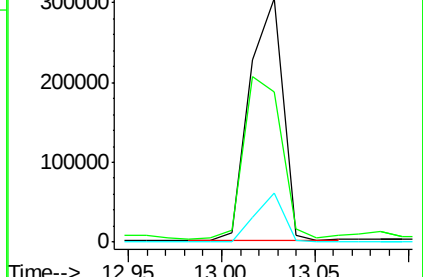
206 20.1 16.3 24.5

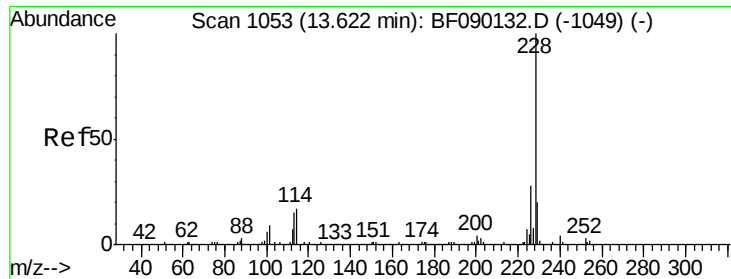


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 54.58 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

Tgt Ion:228 Resp: 669001

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

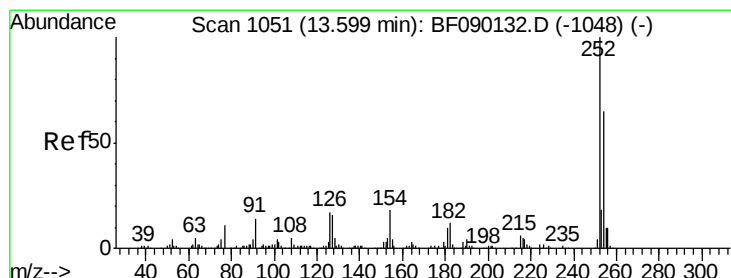
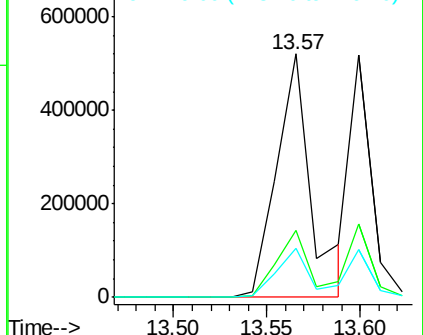
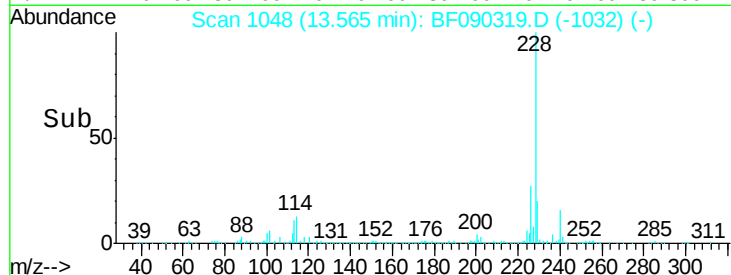
229 20.1 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 13.80 ng

RT: 13.54 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

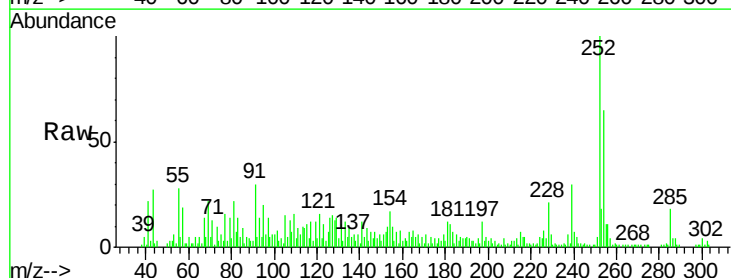
Tgt Ion:252 Resp: 69766

Ion Ratio Lower Upper

252 100

254 64.6 50.7 76.1

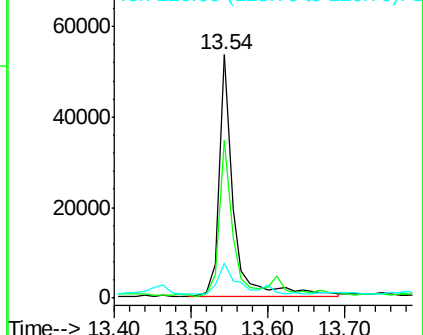
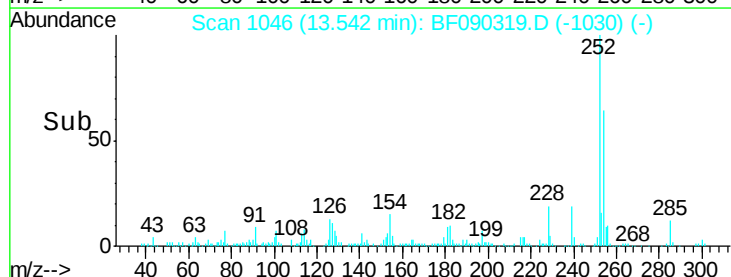
126 14.3 9.2 13.8#

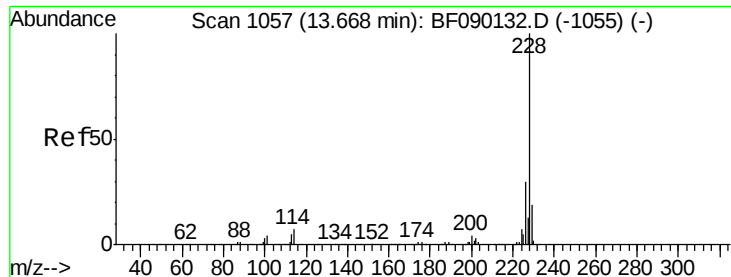


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 35.72 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

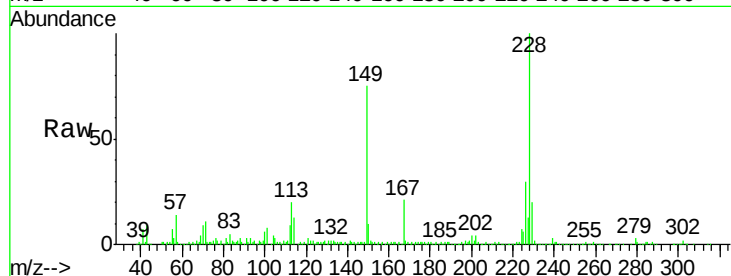
Tgt Ion: 228 Resp: 426493

Ion Ratio Lower Upper

228 100

226 30.4 24.6 37.0

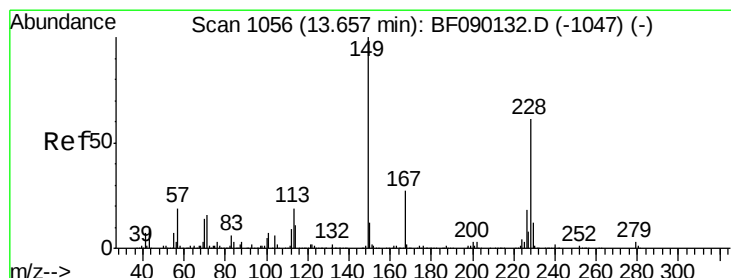
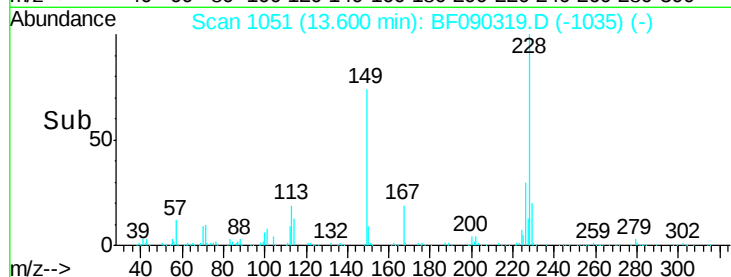
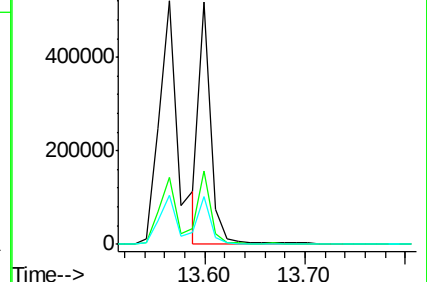
229 19.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 46.93 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

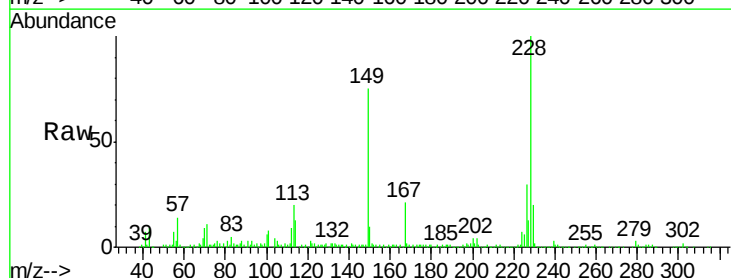
Tgt Ion: 149 Resp: 457996

Ion Ratio Lower Upper

149 100

167 27.9 21.2 31.8

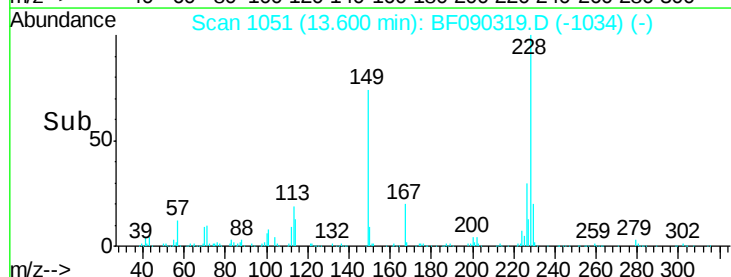
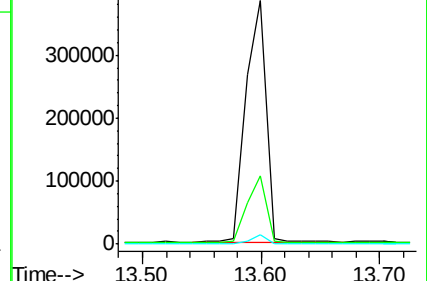
279 4.1 2.2 3.2#

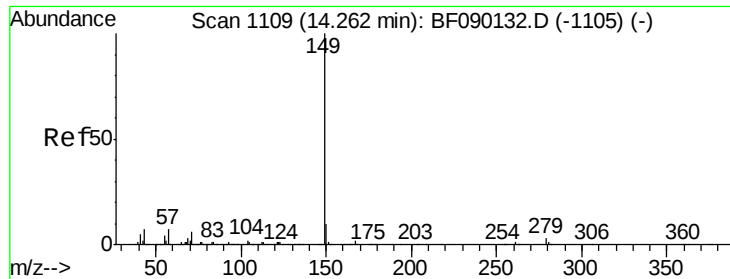


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 50.68 ng

RT: 14.21 min Scan# 1104

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

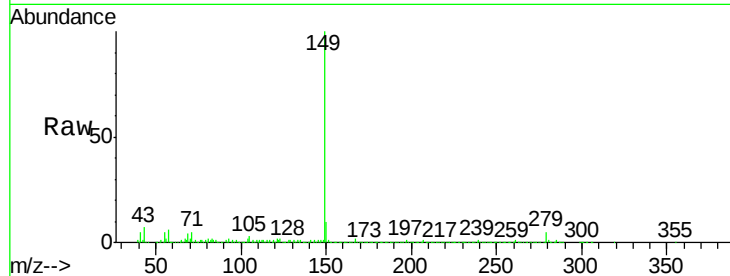
Tgt Ion:149 Resp: 852046

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

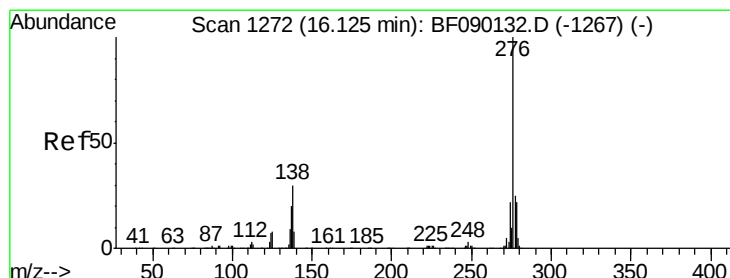
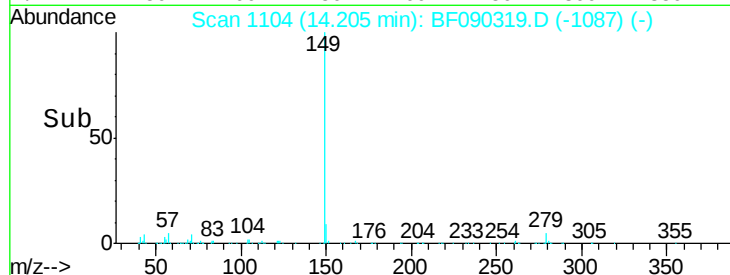
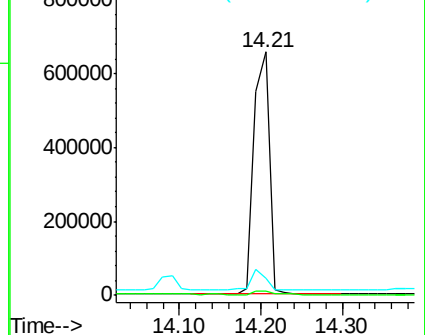
43 8.7 6.8 10.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 55.27 ng

RT: 16.03 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

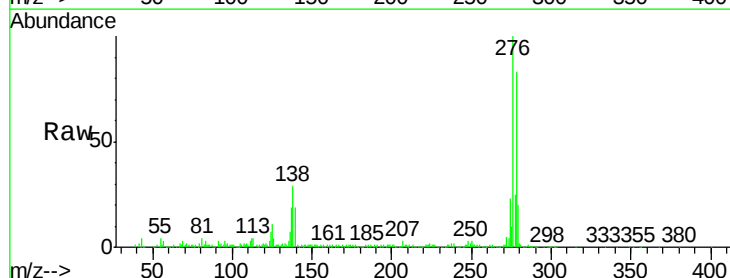
Tgt Ion:276 Resp: 533528

Ion Ratio Lower Upper

276 100

138 28.3 25.9 38.9

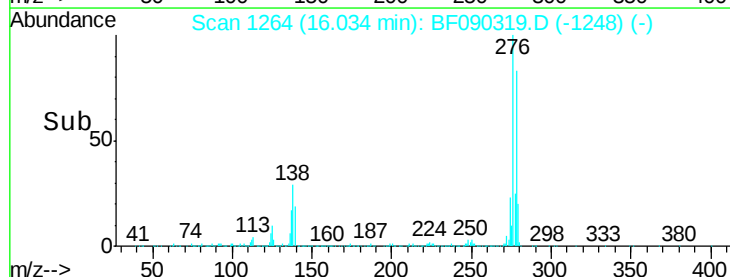
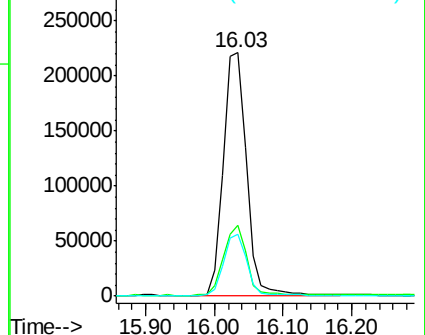
277 25.4 19.9 29.9

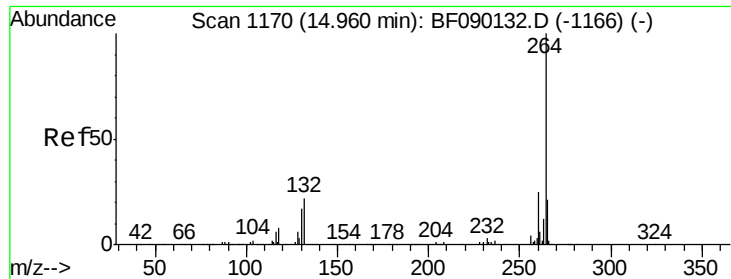


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

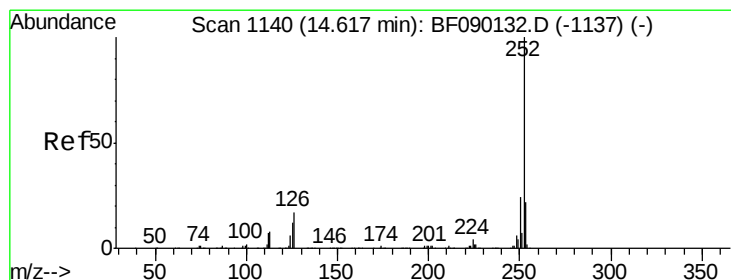
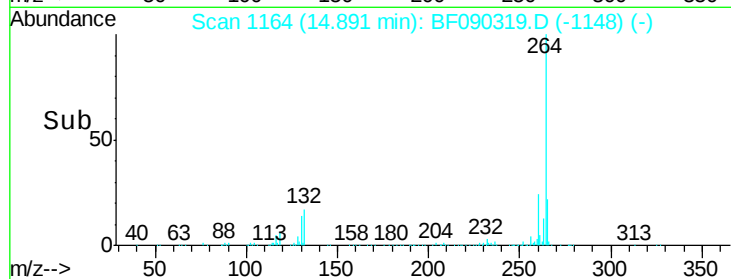
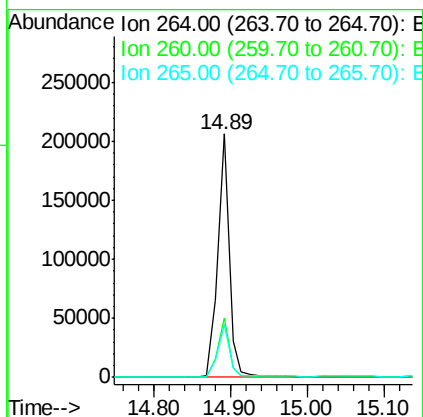
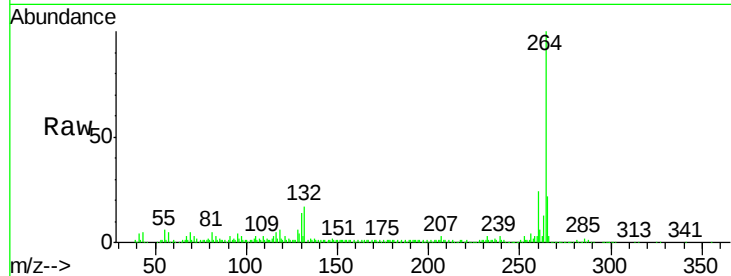




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

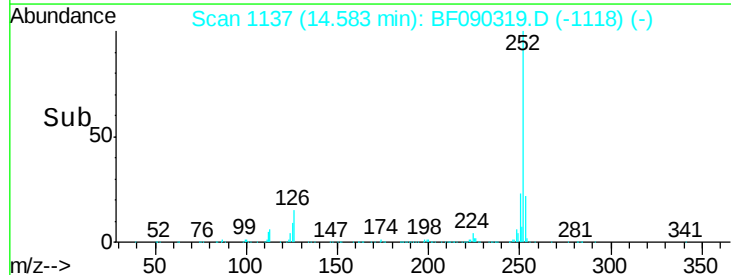
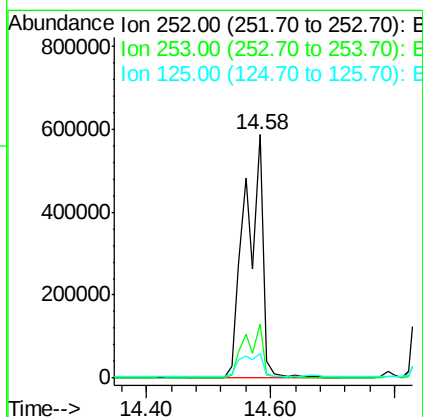
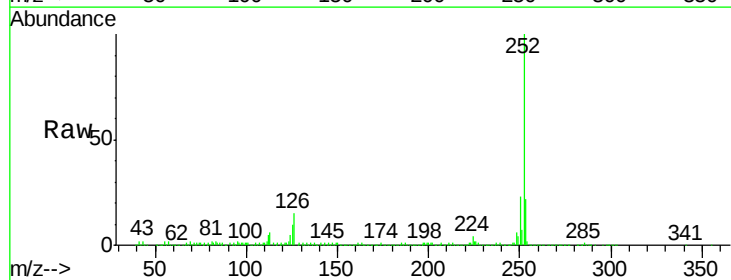
Instrument :
BNA_F
ClientSampled :
PA-4MSD

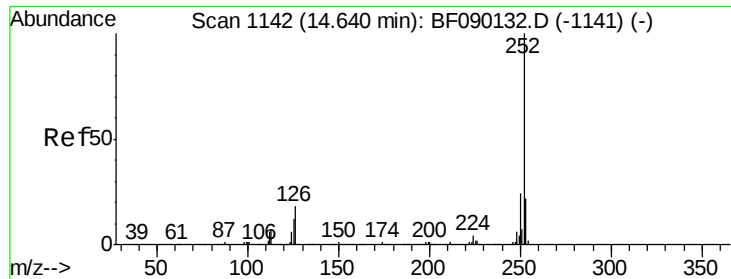
Tgt Ion: 264 Resp: 220381
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.0 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 96.29 ng
RT: 14.58 min Scan# 1137
Delta R.T. 0.01 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion: 252 Resp: 1175048
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 10.0 12.7 19.1#

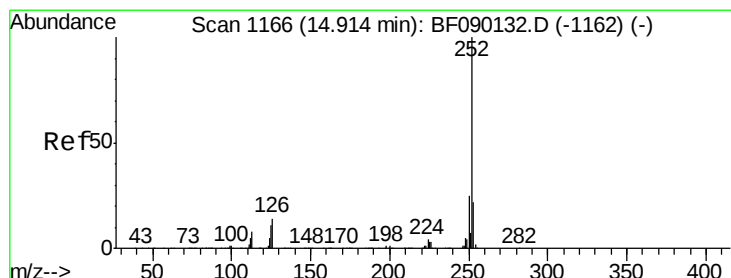
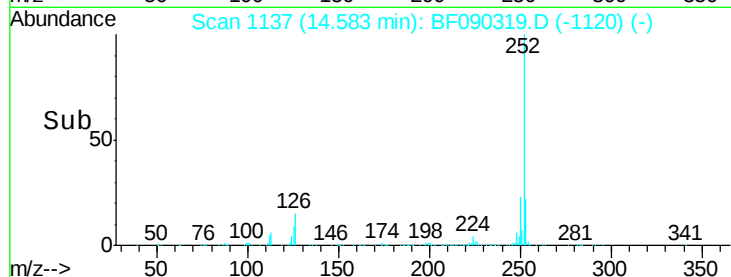
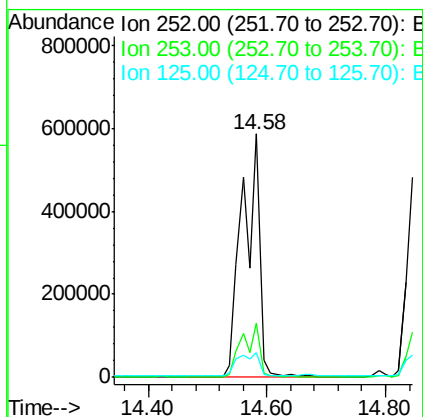
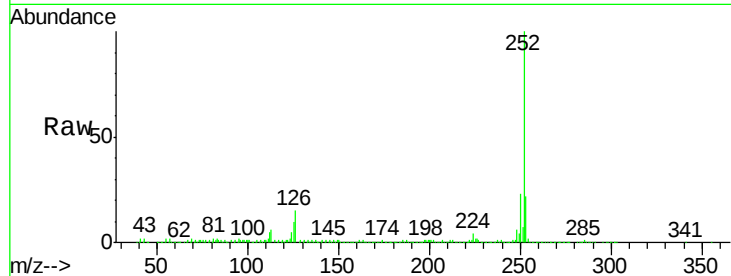




#88
Benzo(k)fluoranthene
Concen: 102.67 ng
RT: 14.58 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

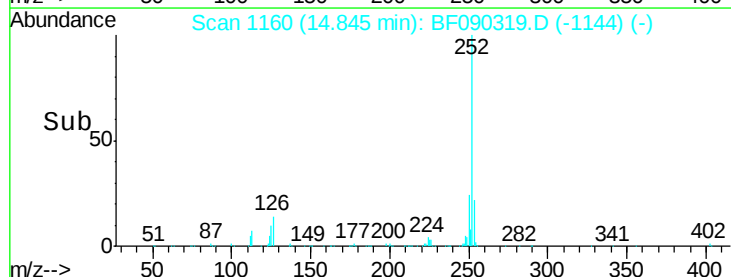
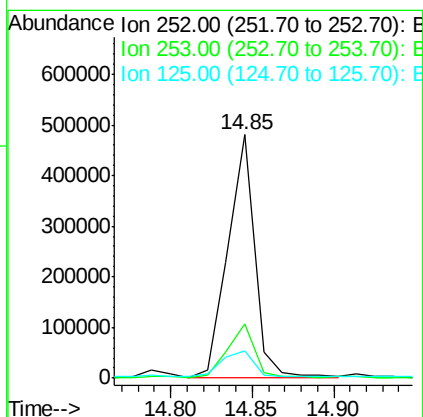
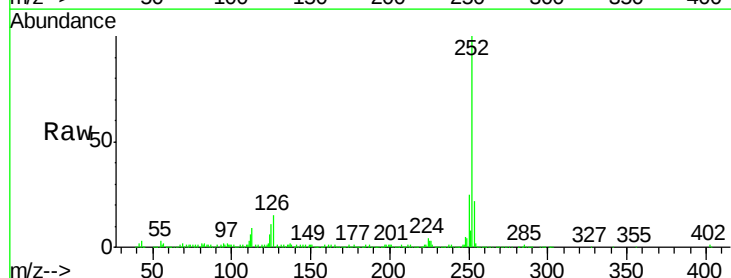
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

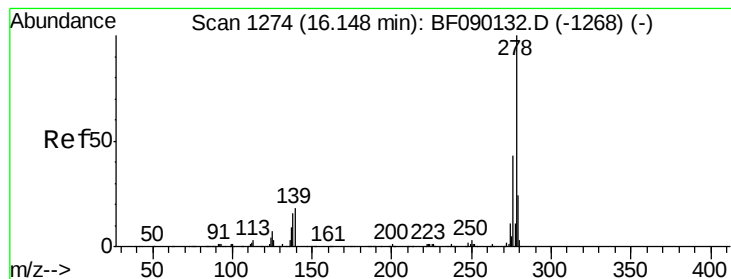
Tgt Ion:252 Resp: 1175883
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 10.0 7.8 11.6



#89
Benzo(a)pyrene
Concen: 47.21 ng
RT: 14.85 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:252 Resp: 541895
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 11.2 7.7 11.5





#90

Dibenzo(a,h)anthracene

Concen: 49.47 ng

RT: 16.05 min Scan# 1265

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

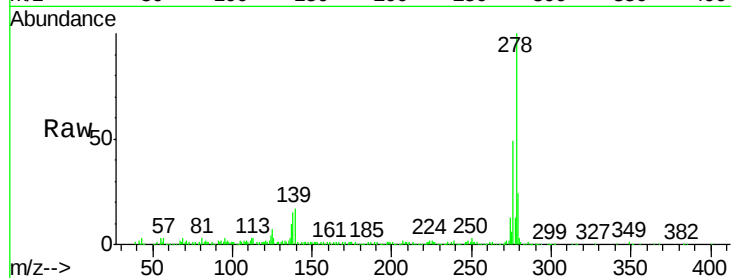
Tgt Ion:278 Resp: 443129

Ion Ratio Lower Upper

278 100

139 16.8 14.6 21.8

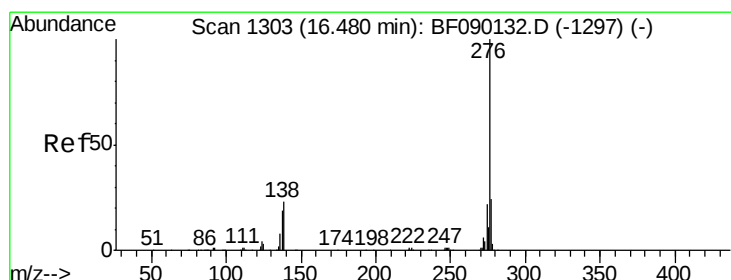
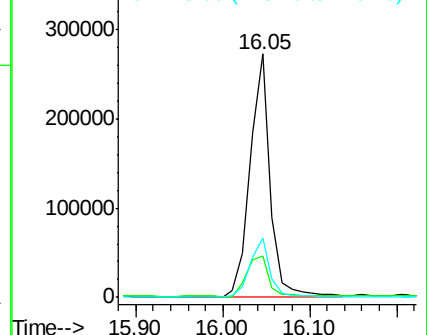
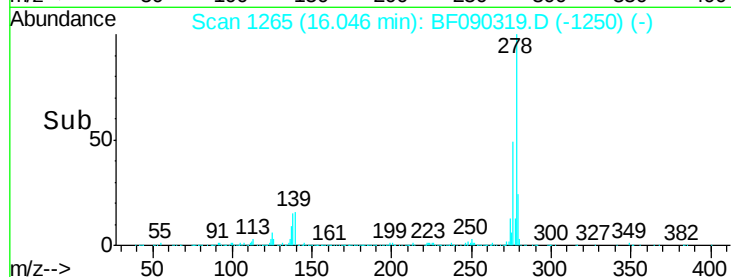
279 24.2 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 49.81 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

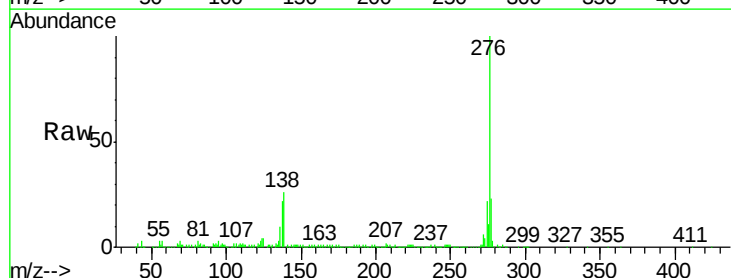
Tgt Ion:276 Resp: 436684

Ion Ratio Lower Upper

276 100

277 23.3 18.9 28.3

138 25.6 23.3 34.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

