

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093016\
 Data File : BF090319.D
 Acq On : 30 Sep 2016 18:33
 Operator : UM/SJ
 Sample : H5025-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Quant Time: Sep 30 23:02:59 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	6.46	152	125305m	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	483840m	20.00	ng	-0.02
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	133.61	ng	-0.01
7) Phenol-d6	6.12	99	1343901	141.56	ng	-0.01
23) Nitrobenzene-d5	7.03	82	807172	96.71	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	36.35	ng	# 93
3) Pyridine	2.43	79	427358	47.25	ng	97
4) n-Nitrosodimethylamine	2.40	42	152710	56.57	ng	91
6) Aniline	6.14	93	486728m	41.13	ng	
8) 2-Chlorophenol	6.24	128	398400	45.04	ng	95
9) Benzaldehyde	5.99	77	199445	48.21	ng	96
10) Phenol	6.15	94	472980m	42.14	ng	
11) bis(2-Chloroethyl)ether	6.20	93	441861	50.49	ng	96
12) 1,3-Dichlorobenzene	6.39	146	403964m	43.72	ng	
13) 1,4-Dichlorobenzene	6.47	146	414003m	43.88	ng	
14) 1,2-Dichlorobenzene	6.63	146	388547	46.23	ng	95
15) Benzyl Alcohol	6.62	79	299416	52.89	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.75	45	425503	40.68	ng	# 21
17) 2-Methylphenol	6.75	107	352226m	50.55	ng	
18) Hexachloroethane	6.96	117	136596	40.59	ng	95
19) n-Nitroso-di-n-propylamine	6.90	70	308427	55.30	ng	99
20) 3+4-Methylphenols	6.91	107	460146	55.01	ng	98
22) Acetophenone	6.88	105	684355	58.65	ng	# 96
24) Nitrobenzene	7.05	77	428598	49.28	ng	97
25) Isophorone	7.30	82	818076	46.91	ng	97
26) 2-Nitrophenol	7.37	139	238108	55.60	ng	92
27) 2,4-Dimethylphenol	7.43	122	349223	45.90	ng	96
28) bis(2-Chloroethoxy)methane	7.52	93	507175	48.08	ng	99
29) 2,4-Dichlorophenol	7.62	162	336668	50.45	ng	96
30) 1,2,4-Trichlorobenzene	7.69	180	310693	46.61	ng	99
31) Naphthalene	7.77	128	1169311	50.75	ng	99
32) Benzoic acid	7.53	122	18388	3.52	ng	97
33) 4-Chloroaniline	7.84	127	220272	23.05	ng	97
34) Hexachlorobutadiene	7.90	225	167020	47.50	ng	98
35) Caprolactam	8.22	113	100624m	45.55	ng	
36) 4-Chloro-3-methylphenol	8.33	107	342138	45.36	ng	100
37) 2-Methylnaphthalene	8.46	142	678202	47.34	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.63	216	293684	53.51	ng	97
40) Hexachlorocyclopentadiene	8.62	237	90633	33.46	ng	99

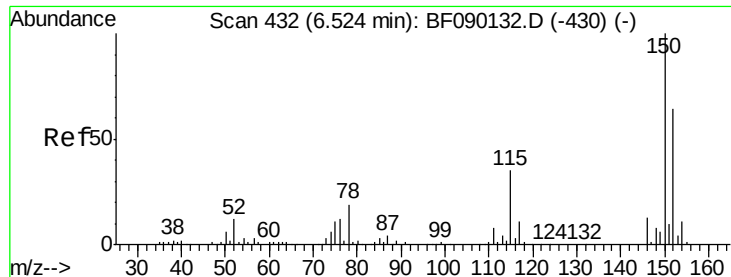
Data Path : Z:\HPCHEM1\BNA F\DATA\BF093016\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.74	196	190316	48.66	nq	99
43) 2,4,5-Trichlorophenol	8.79	196	203272	50.19	nq	# 89
45) 1,1'-Biphenyl	8.92	154	859480	50.24	nq	97
46) 2-Chloronaphthalene	8.94	162	599943	47.54	nq	97
47) 2-Nitroaniline	9.05	65	226104	59.42	nq	95
48) Acenaphthylene	9.35	152	884959	43.18	nq	99
49) Dimethylphthalate	9.24	163	1372215	90.10	nq	100
50) 2,6-Dinitrotoluene	9.30	165	169346	49.89	nq	# 53
51) Acenaphthene	9.52	154	526509	43.28	nq	99
52) 3-Nitroaniline	9.46	138	121712	30.58	nq	83
53) 2,4-Dinitrophenol	9.56	184	39786	23.28	nq	# 84
54) Dibenzofuran	9.69	168	761330	47.55	nq	94
55) 4-Nitrophenol	9.64	139	209251	76.75	nq	# 76
56) 2,4-Dinitrotoluene	9.69	165	179642	44.76	nq	# 82
57) Fluorene	10.03	166	617517	51.18	nq	99
58) 2,3,4,6-Tetrachlorophenol	9.82	232	147511	48.65	nq	98
59) Diethylphthalate	9.93	149	671878	45.68	nq	100
60) 4-Chlorophenyl-phenylether	10.03	204	255321	46.40	nq	89
61) 4-Nitroaniline	10.07	138	170538	42.04	nq	88
62) Azobenzene	10.19	77	776384	50.71	nq	90
64) 4,6-Dinitro-2-methylphenol	10.10	198	48510	23.78	nq	95
65) n-Nitrosodiphenylamine	10.16	169	587401	54.84	nq	100
66) 4-Bromophenyl-phenylether	10.51	248	156470	48.82	nq	# 83
67) Hexachlorobenzene	10.57	284	177475	47.51	nq	# 81
68) Atrazine	10.70	200	164466	56.04	nq	99
69) Pentachlorophenol	10.78	266	200897	94.75	nq	99
70) Phenanthrene	10.98	178	870948	57.18	nq	99
71) Anthracene	11.03	178	754769	47.24	nq	100
72) Carbazole	11.19	167	741178	43.88	nq	98
73) Di-n-butylphthalate	11.54	149	961144	48.94	nq	99
74) Fluoranthene	12.15	202	764879	46.78	nq	99
77) Pyrene	12.38	202	735466	47.18	nq	99
79) Butylbenzylphthalate	13.03	149	376543	49.38	nq	99
80) Benzo(a)anthracene	13.57	228	592068m	48.30	nq	
81) 3,3'-Dichlorobenzidine	13.54	252	69766	13.80	nq	# 98
82) Chrysene	13.60	228	500132m	41.89	nq	
83) Bis(2-ethylhexyl)phthalate	13.60	149	457996	46.93	nq	# 97
84) Di-n-octyl phthalate	14.21	149	852046	50.68	nq	99
85) Indeno(1,2,3-cd)pyrene	16.03	276	533528	55.27	nq	95
87) Benzo(b)fluoranthene	14.56	252	715793m	58.65	nq	
88) Benzo(k)fluoranthene	14.58	252	447677m	39.09	nq	
89) Benzo(a)pyrene	14.85	252	541895	47.21	nq	98
90) Dibenzo(a,h)anthracene	16.05	278	443129	49.47	nq	98
91) Benzo(g,h,i)perylene	16.37	276	436684	49.81	nq	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

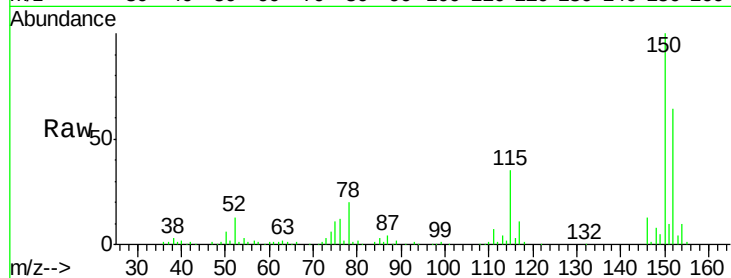
Tot Ion:152 Resp: 125305

Ion Ratio Lower Upper

152 100

150 155.3 128.9 193.3

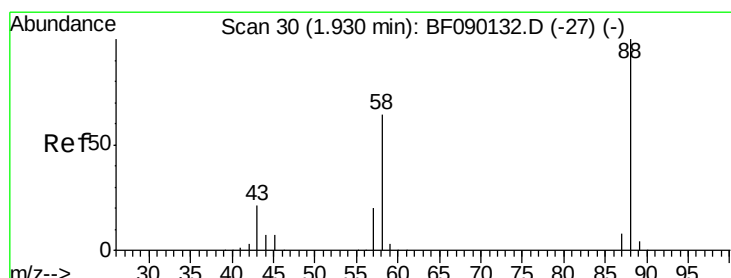
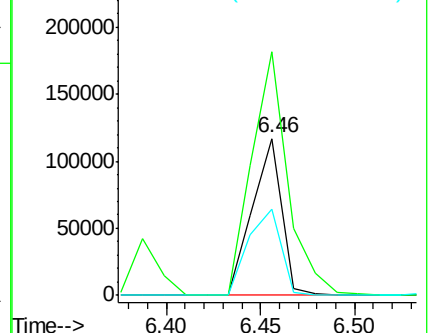
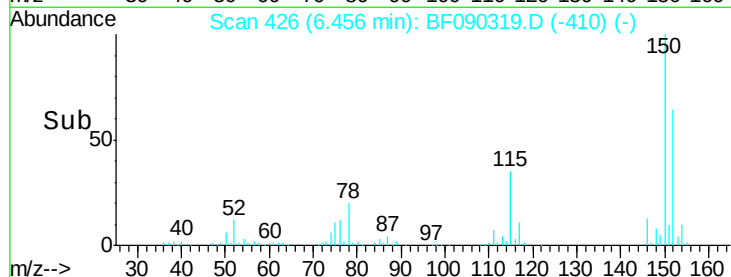
115 54.8 55.5 83.3#



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: 36.35 ng

RT: 1.86 min Scan# 24

Delta R.T. 0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

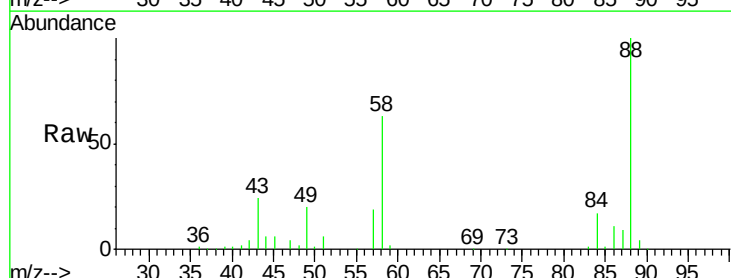
Tgt Ion: 88 Resp: 151610

Ion Ratio Lower Upper

88 100

58 66.6 53.4 80.0

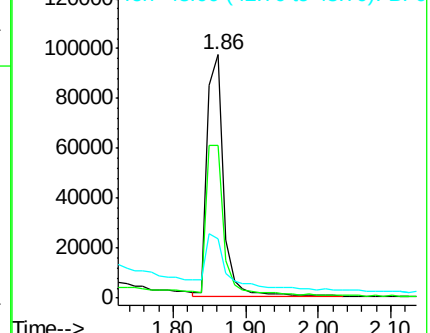
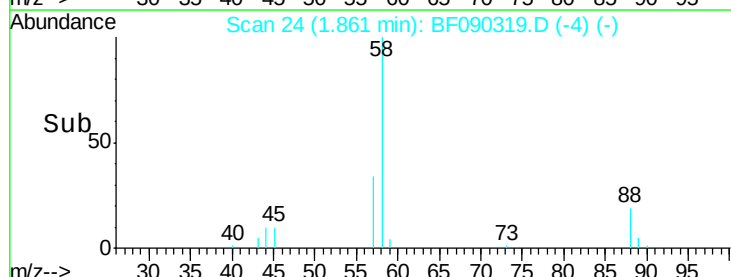
43 33.7 16.5 24.7#

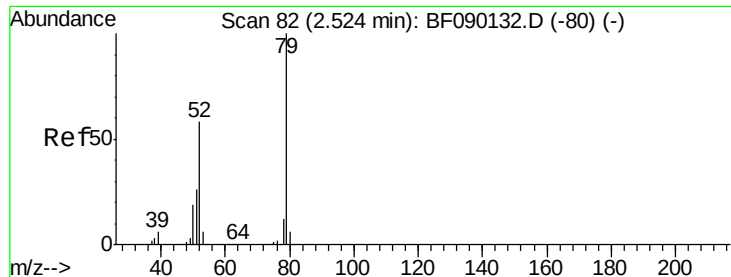


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 47.25 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

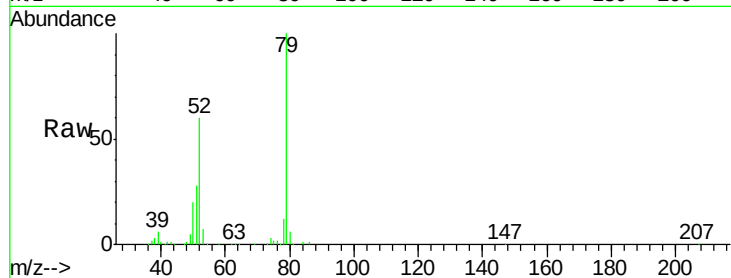
Tot Ion: 79 Resp: 427358

Ion Ratio Lower Upper

79 100

52 60.2 45.9 68.9

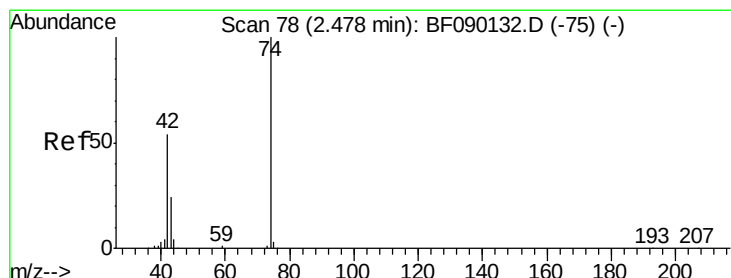
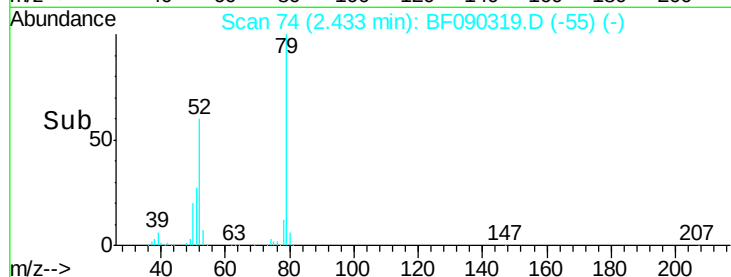
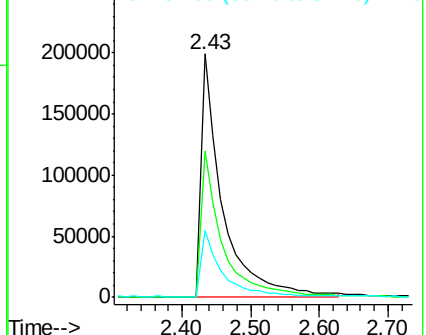
51 27.6 21.3 31.9



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: 56.57 ng

RT: 2.40 min Scan# 71

Delta R.T. 0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

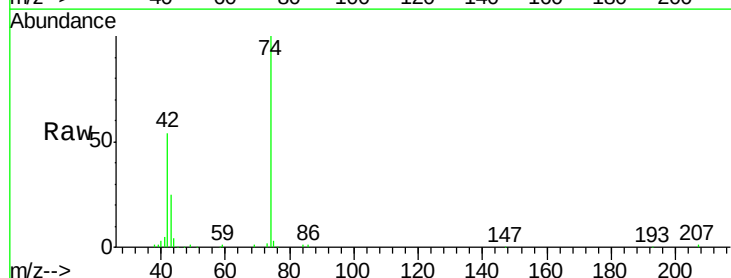
Tgt Ion: 42 Resp: 152710

Ion Ratio Lower Upper

42 100

74 184.7 158.7 238.1

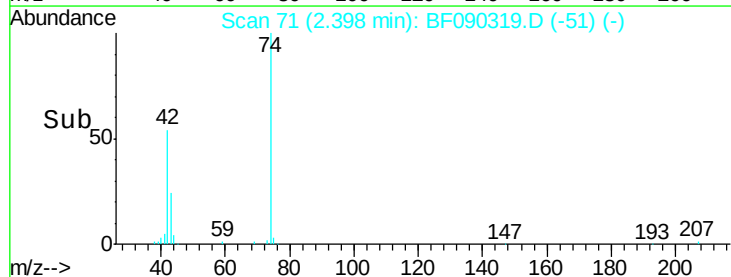
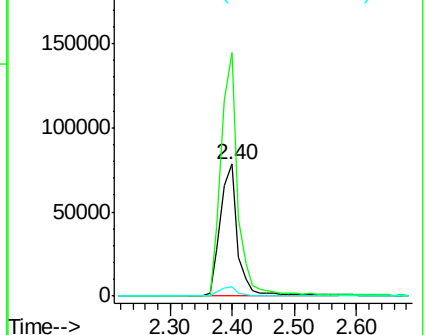
44 7.3 6.4 9.6

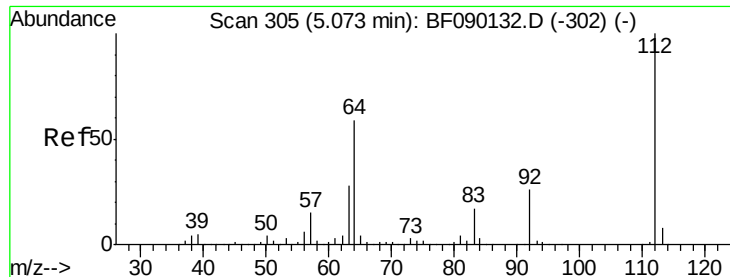


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 133.61 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

ClientSampleId :

PA-4MSD

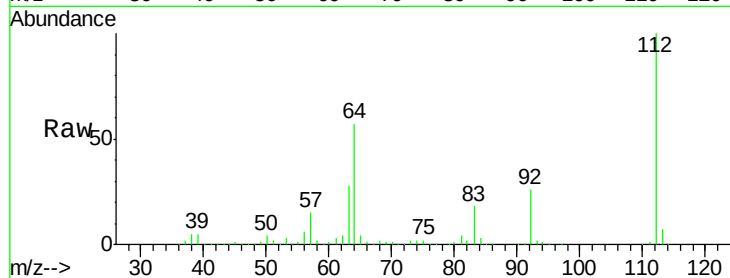
Tot Ion:112 Resp: 1027087

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

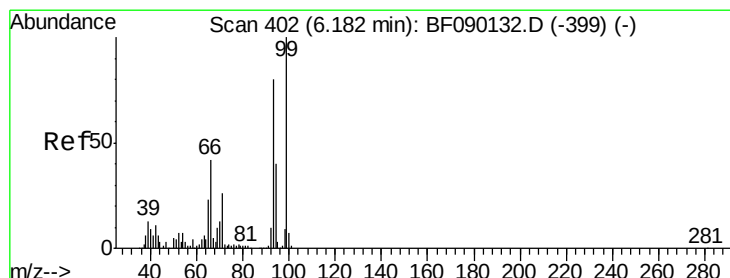
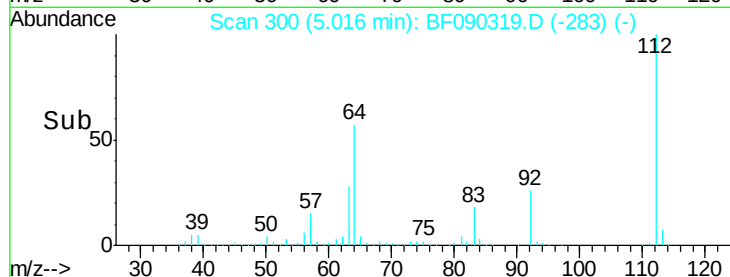
200000

0

5.02

5.20

Time-->



#6

Aniline

Concen: 41.13 ng m

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

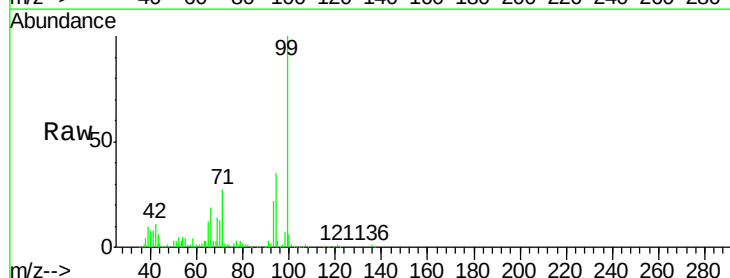
Tgt Ion: 93 Resp: 486728

Ion Ratio Lower Upper

93 100

66 85.8 54.2 81.2#

65 53.6 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

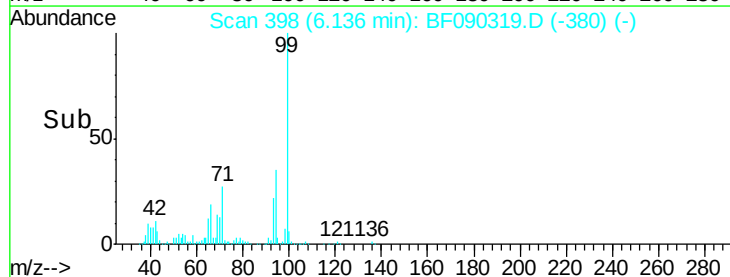
100000

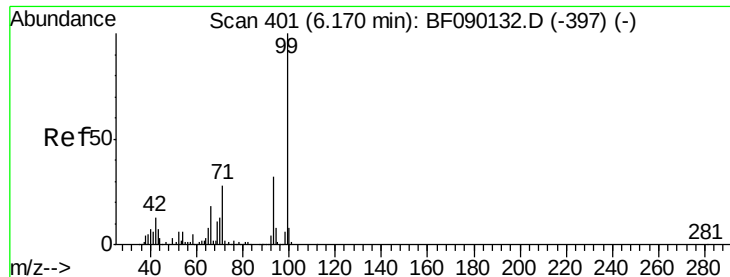
0

6.14

6.20

Time-->





#7

Phenol-d6

Concen: 141.56 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

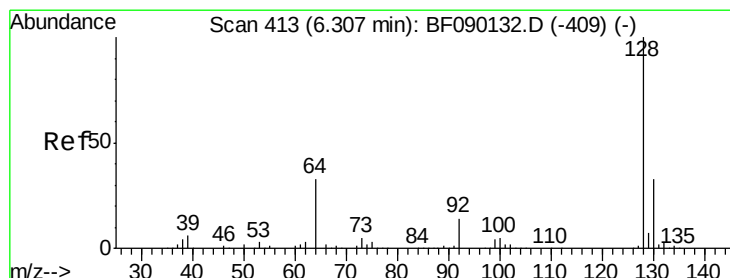
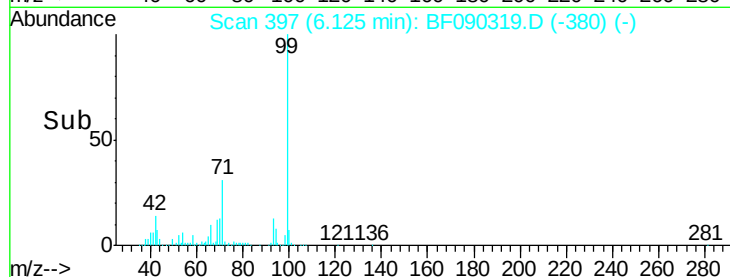
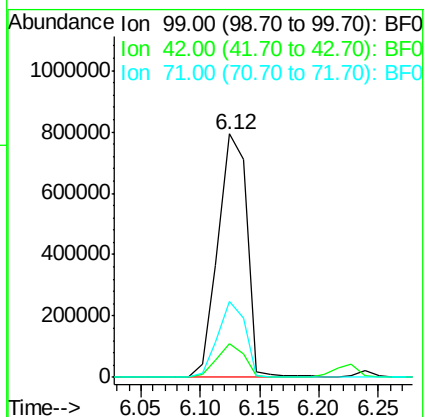
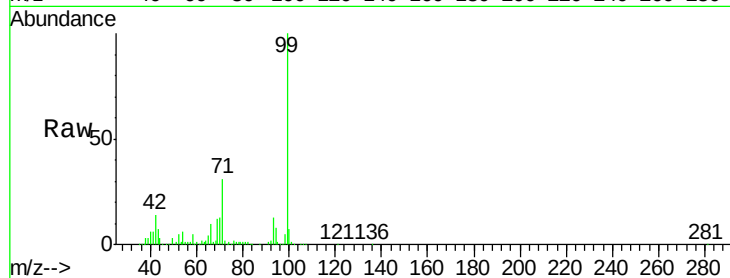
Tot Ion: 99 Resp: 1343901

Ion Ratio Lower Upper

99 100

42 14.0 10.6 15.8

71 31.1 23.0 34.6



#8

2-Chlorophenol

Concen: 45.04 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

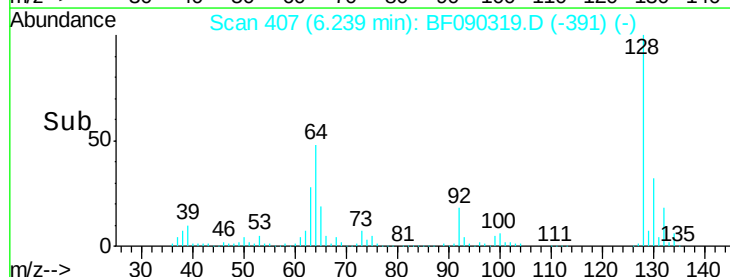
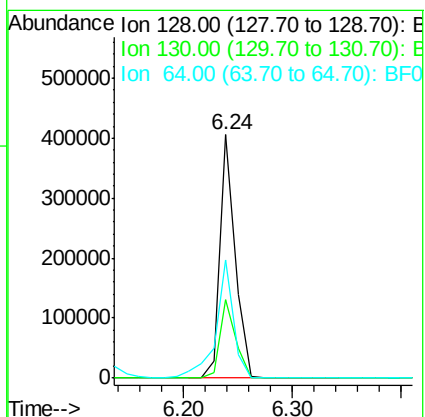
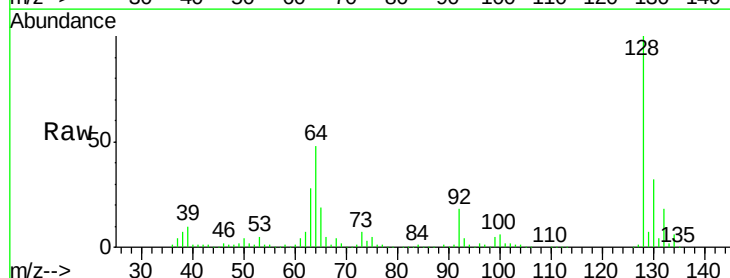
Tgt Ion: 128 Resp: 398400

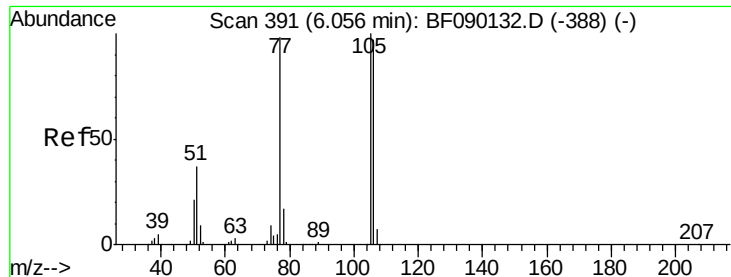
Ion Ratio Lower Upper

128 100

130 32.5 12.0 52.0

64 48.3 33.6 73.6





#9

Benzaldehyde

Concen: 48.21 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

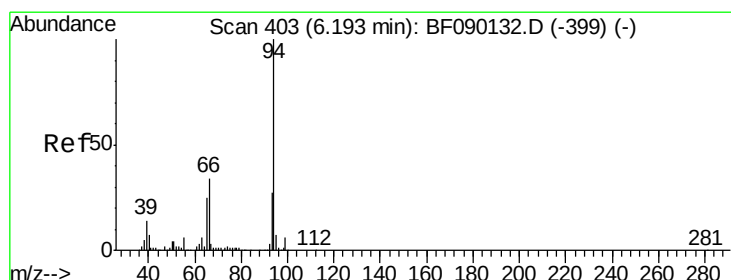
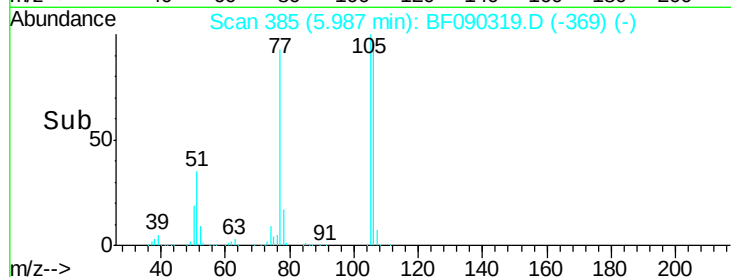
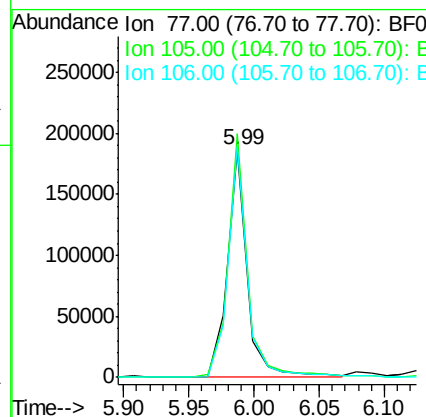
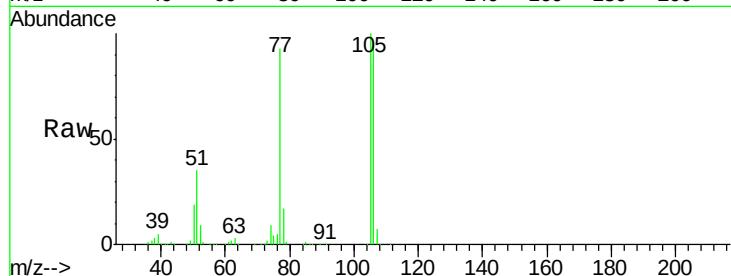
Tot Ion: 77 Resp: 199445

Ion Ratio Lower Upper

77 100

105 107.1 83.0 123.0

106 101.7 78.5 118.5



#10

Phenol

Concen: 42.14 ng m

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

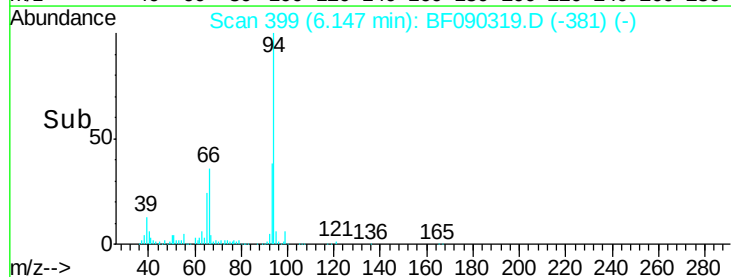
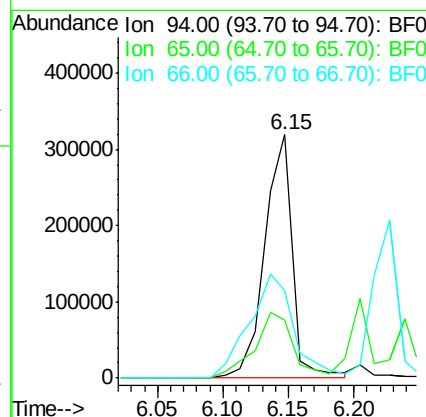
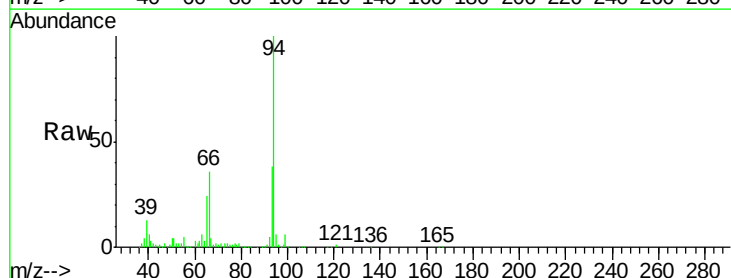
Tgt Ion: 94 Resp: 472980

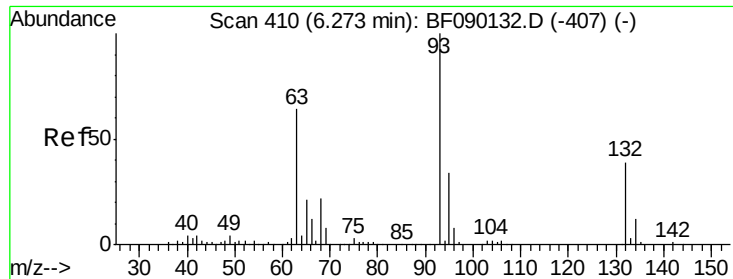
Ion Ratio Lower Upper

94 100

65 23.7 20.6 60.6

66 36.1 45.1 85.1#





#11

bis(2-Chloroethyl)ether

Concen: 50.49 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

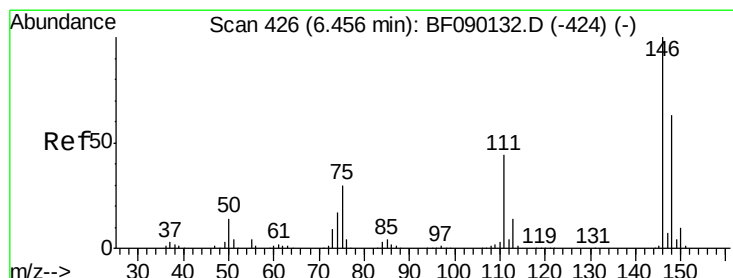
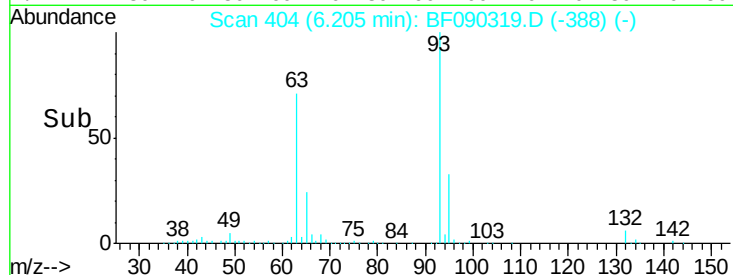
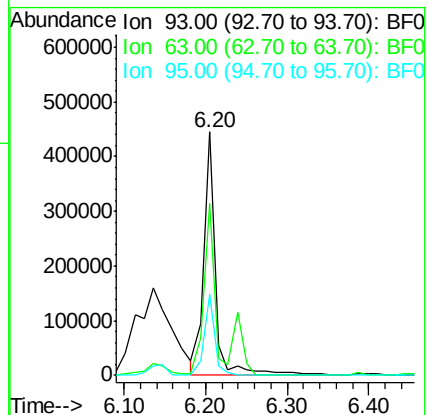
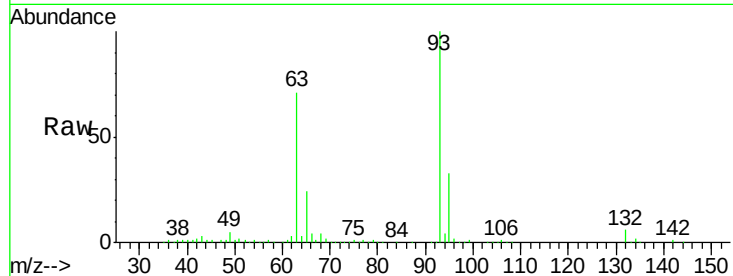
Tot Ion: 93 Resp: 441861

Ion Ratio Lower Upper

93 100

63 70.8 55.6 95.6

95 33.3 12.6 52.6



#12

1,3-Dichlorobenzene

Concen: 43.72 ng m

RT: 6.39 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

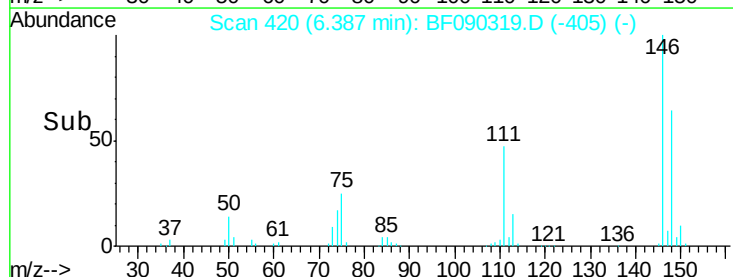
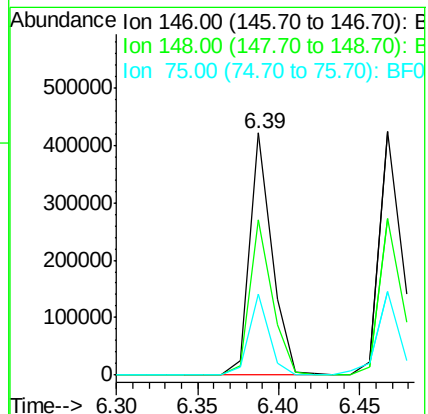
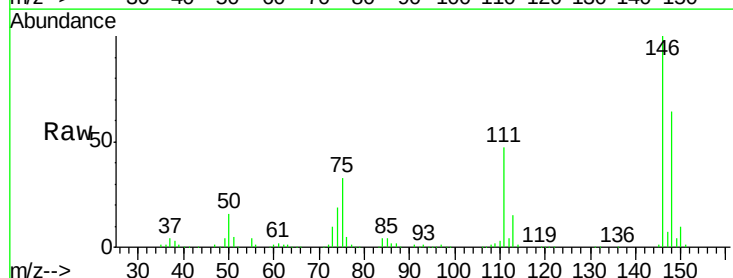
Tgt Ion: 146 Resp: 403964

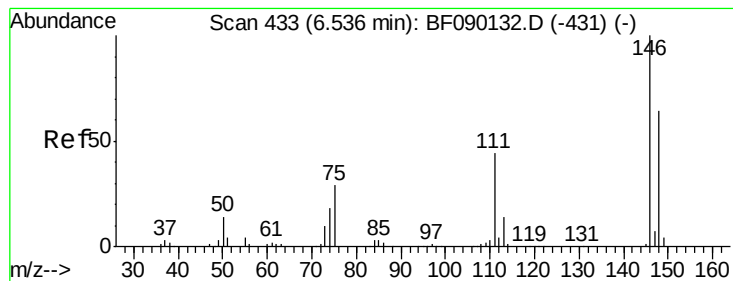
Ion Ratio Lower Upper

146 100

148 64.1 51.9 77.9

75 33.2 22.8 34.2





#13

1,4-Dichlorobenzene

Concen: 43.88 ng/mL

RT: 6.47 min Scan# 427

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

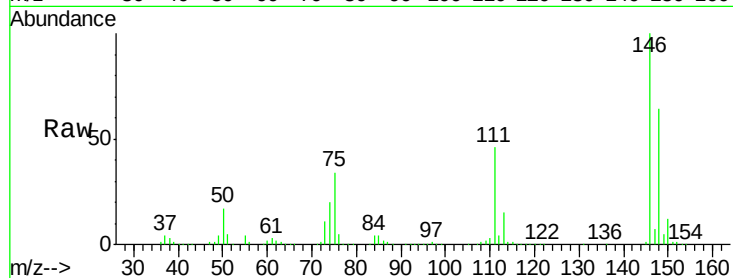
Tot Ion:146 Resp: 414003

Ion Ratio Lower Upper

146 100

148 64.5 52.0 78.0

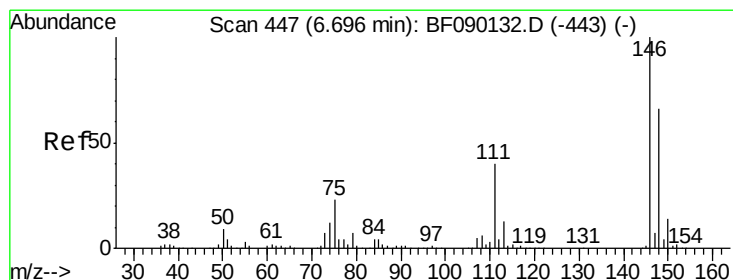
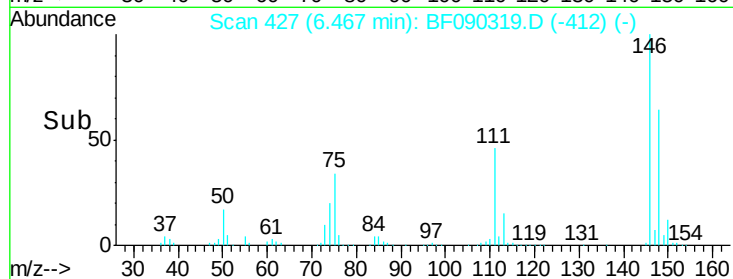
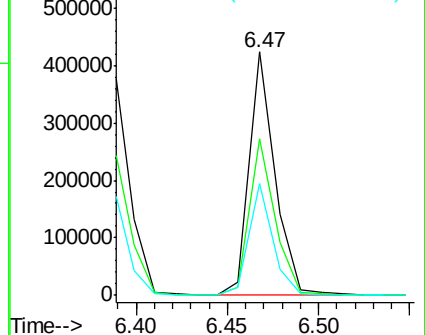
111 45.8 33.8 50.6



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: 46.23 ng/mL

RT: 6.63 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

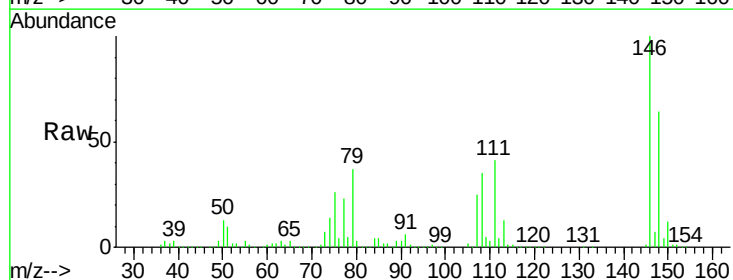
Tgt Ion:146 Resp: 388547

Ion Ratio Lower Upper

146 100

148 64.3 52.6 79.0

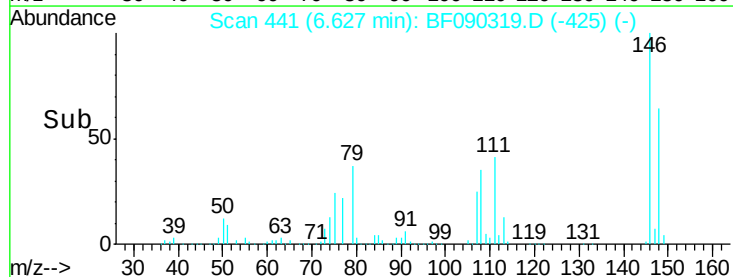
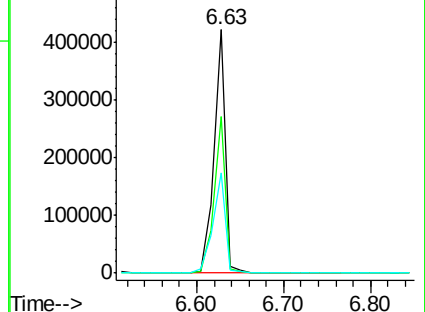
111 41.1 28.2 42.2

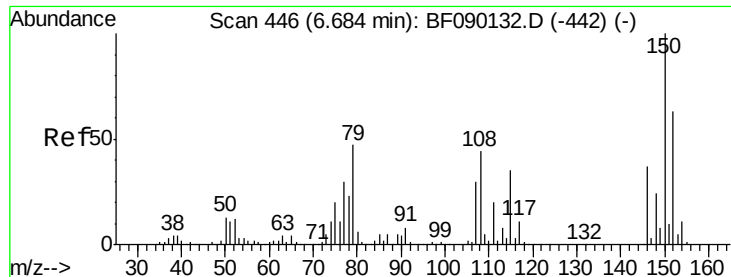


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

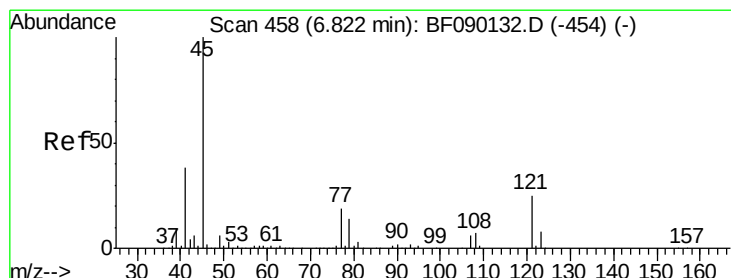
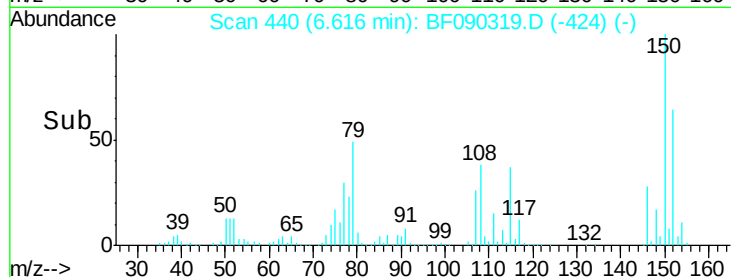
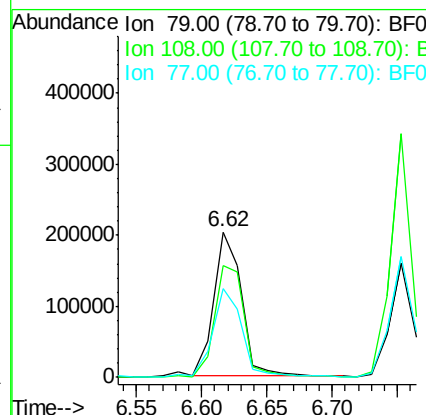
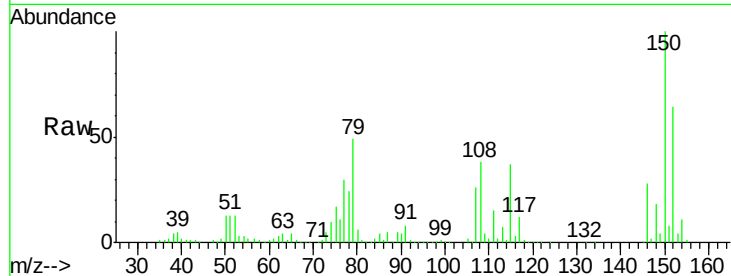




#15
Benzyl Alcohol
Concen: 52.89 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

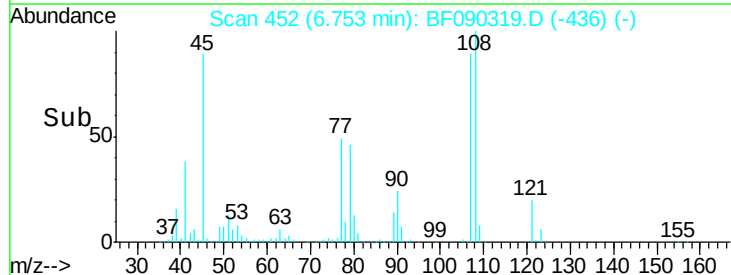
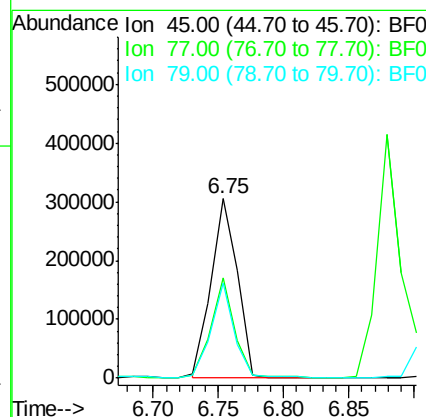
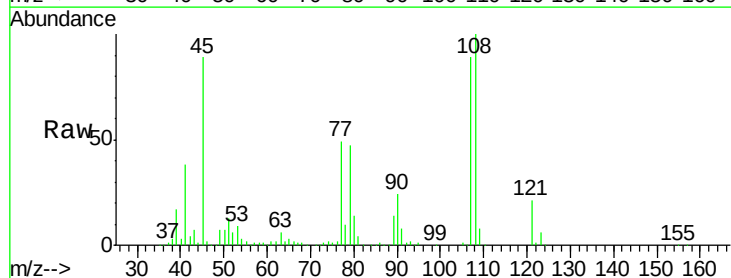
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

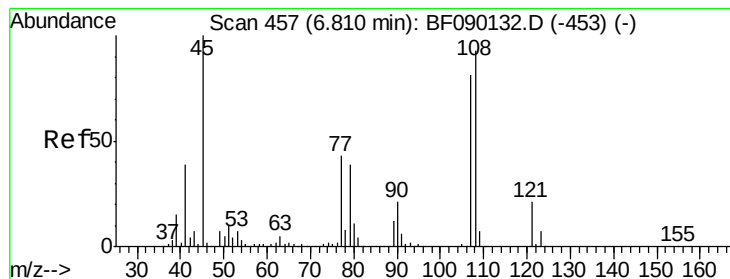
Tot Ion: 79 Resp: 299416
Ion Ratio Lower Upper
79 100
108 77.3 62.2 93.4
77 61.2 51.4 77.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.68 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

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: 50.55 ng/mL

RT: 6.75 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampled :

PA-4MSD

Tot Ion:107 Resp: 352226

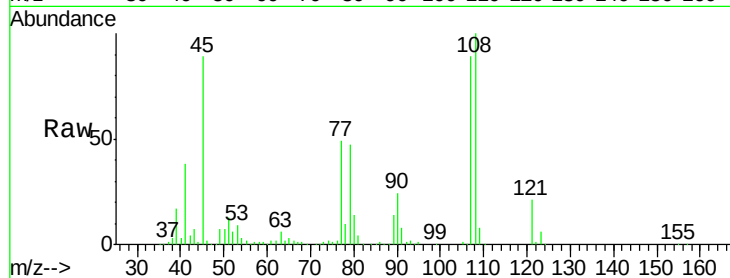
Ion Ratio Lower Upper

107 100

108 111.8 92.0 138.0

77 55.3 35.6 53.4#

79 52.5 35.2 52.8

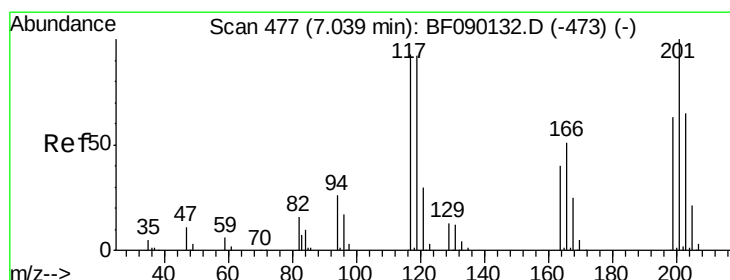
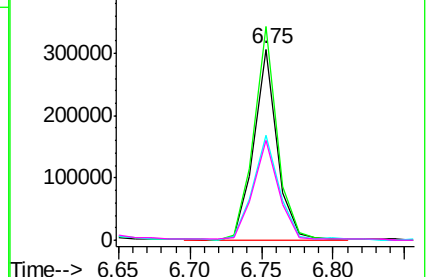
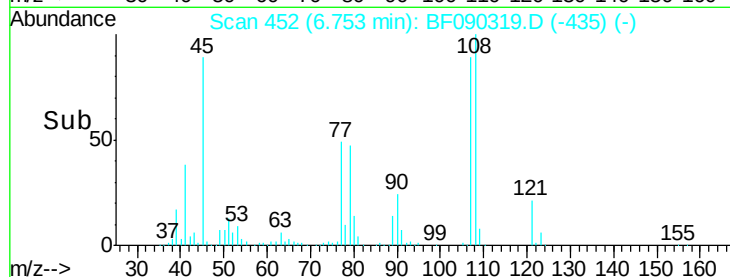


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 40.59 ng/mL

RT: 6.96 min Scan# 470

Delta R.T. -0.03 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

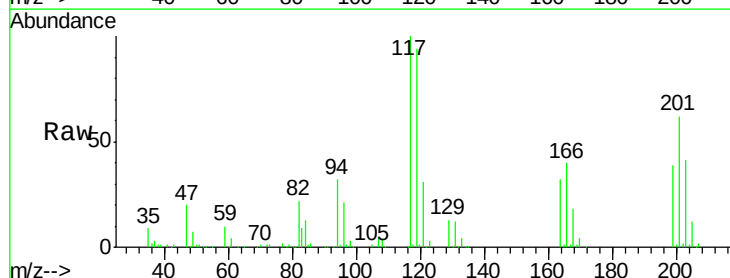
Tgt Ion:117 Resp: 136596

Ion Ratio Lower Upper

117 100

119 94.2 76.6 115.0

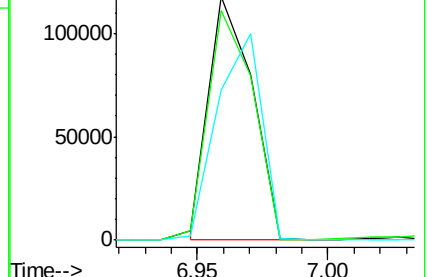
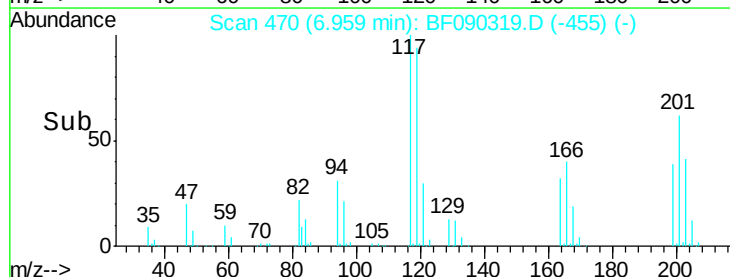
201 61.9 55.5 83.3

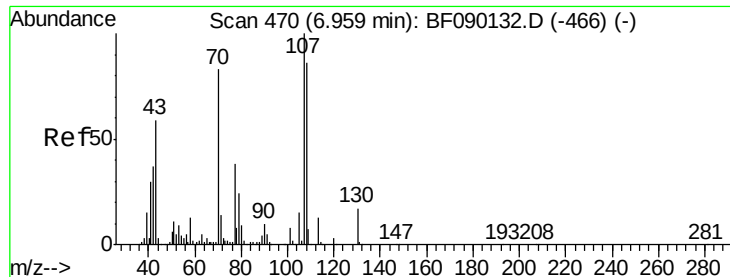


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

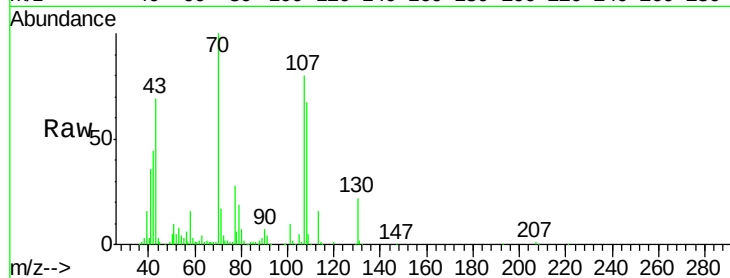




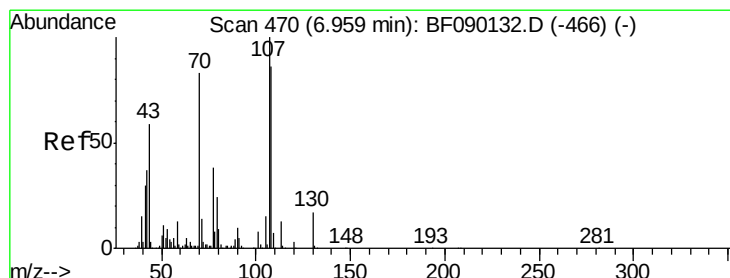
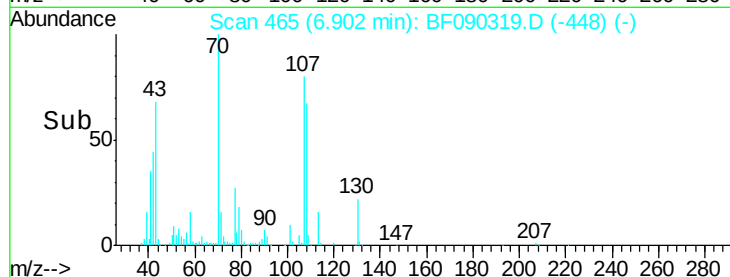
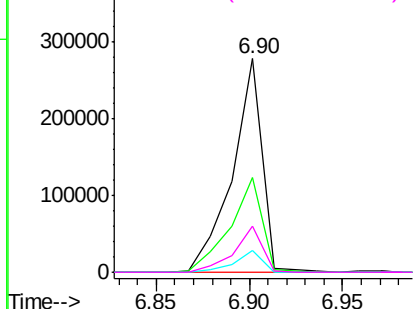
#19
n-Nitroso-di-n-propylamine
Concen: 55.30 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Instrument :
BNA_F
ClientSampleId :
PA-4MSD

Tot 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

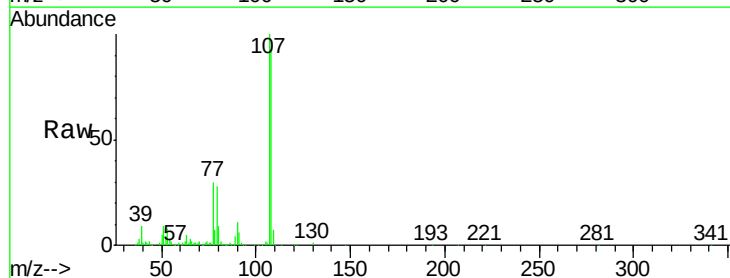


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

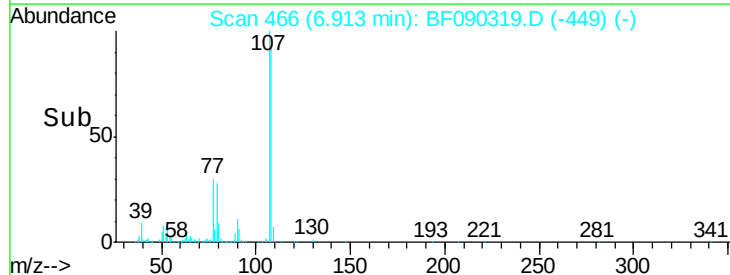
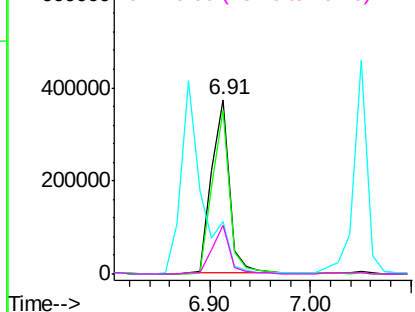


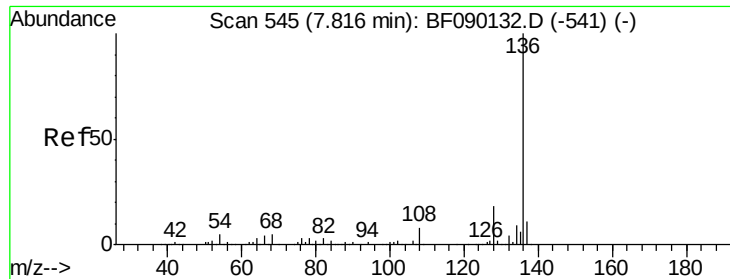
#20
3+4-Methylphenols
Concen: 55.01 ng
RT: 6.91 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

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): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

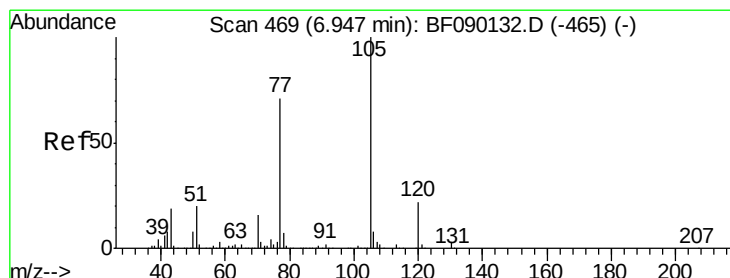
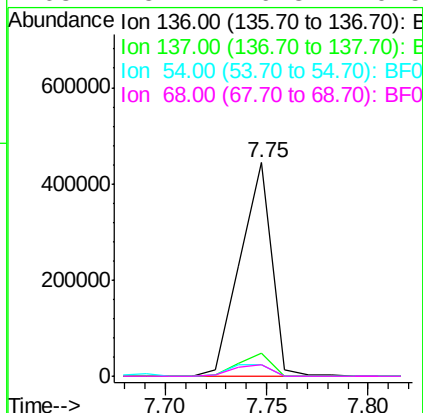
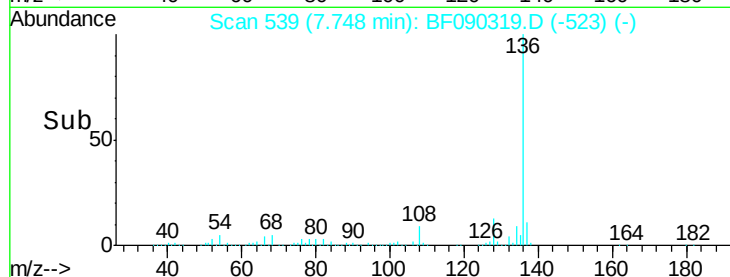
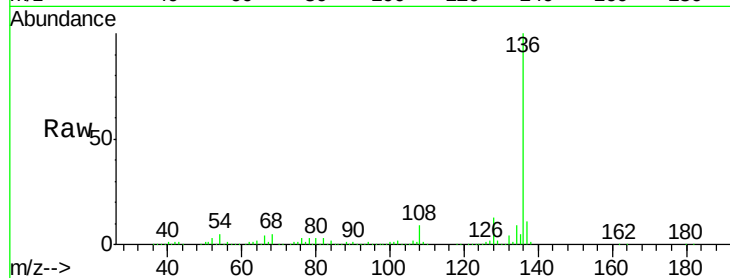




#21
Naphthalene-d8
Concen: 20.00 ng/mL
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

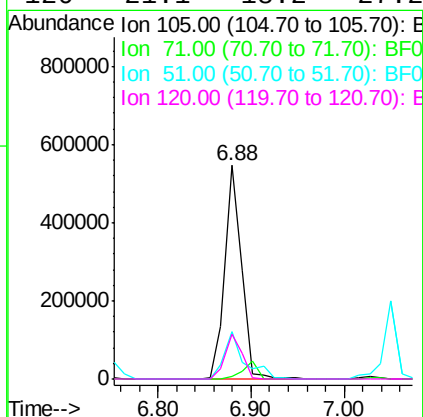
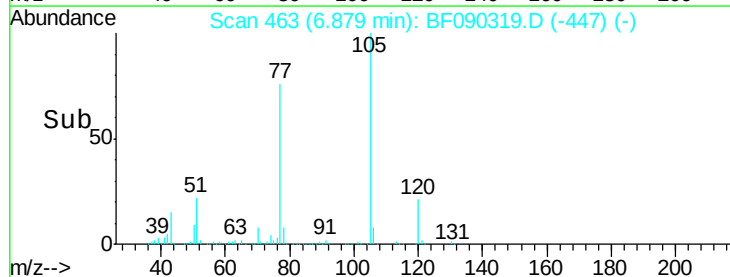
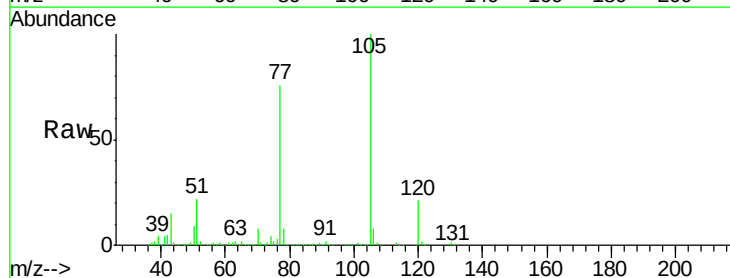
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

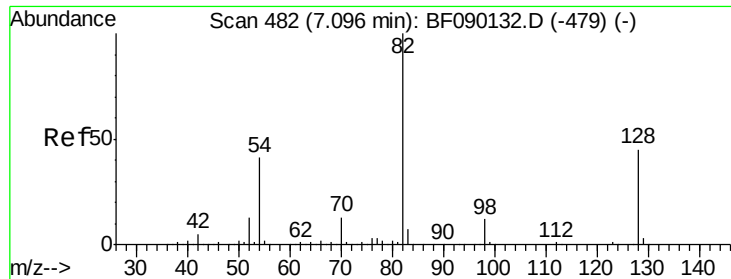
Tot Ion:136	Resp:	483840
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.0 13.4
54	5.3	6.4 9.6#
68	5.4	6.3 9.5#



#22
Acetophenone
Concen: 58.65 ng/mL
RT: 6.88 min Scan# 463
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:105	Resp:	684355
Ion Ratio	Lower	Upper
105	100	
71	1.4	4.1 6.1#
51	21.9	16.2 24.2
120	21.1	18.2 27.2

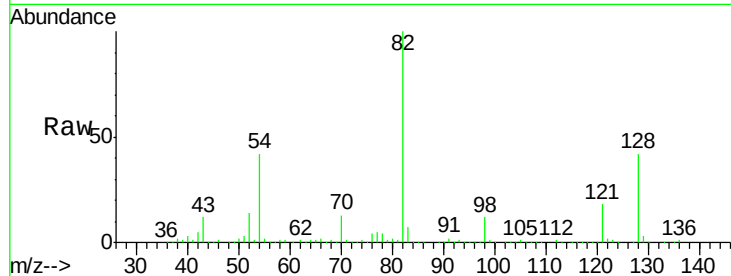




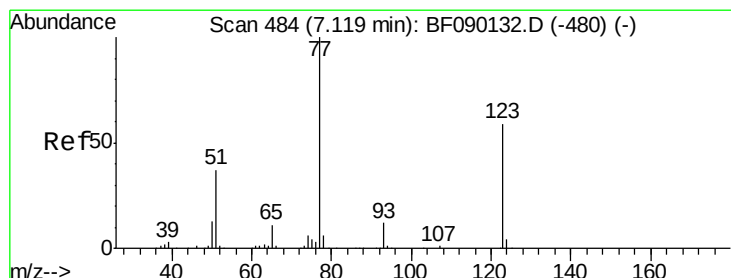
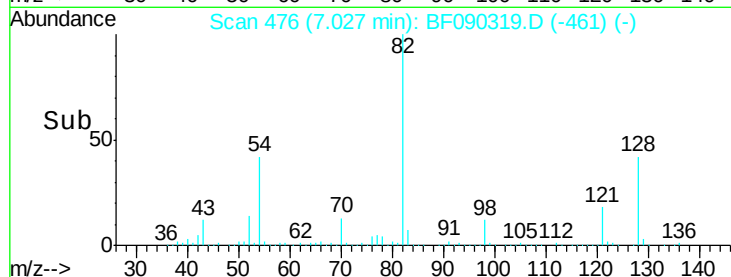
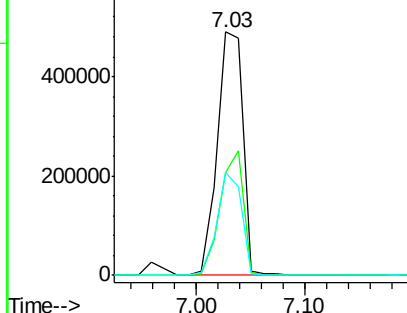
#23
 Nitrobenzene-d5
 Concen: 96.71 ng
 RT: 7.03 min Scan# 476
 Delta R.T. -0.03 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

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

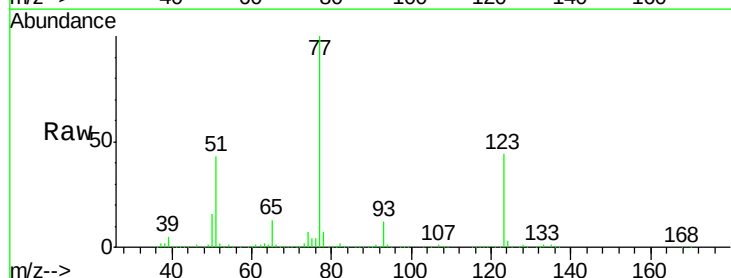


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

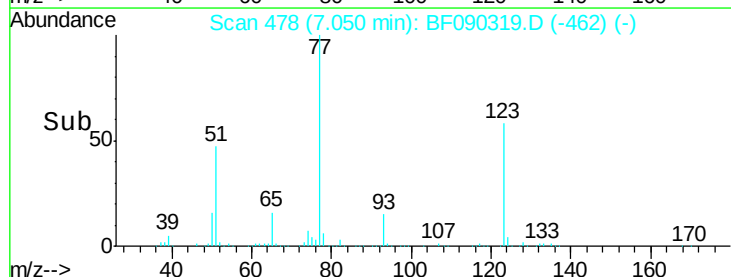
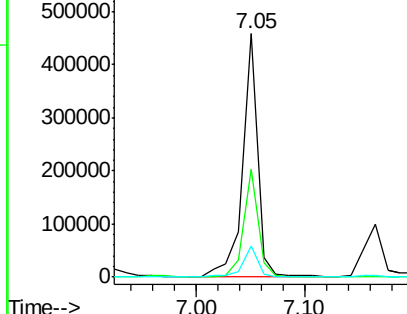


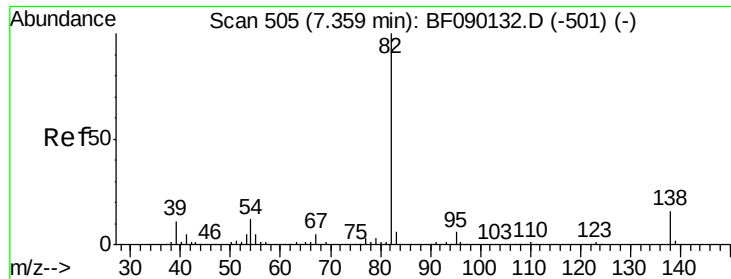
#24
 Nitrobenzene
 Concen: 49.28 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion	77	Resp	428598
Ion Ratio	100	Lower	Upper
123	44.4	33.4	50.2
65	12.7	10.1	15.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): BF0
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.91 ng

RT: 7.30 min Scan# 500

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

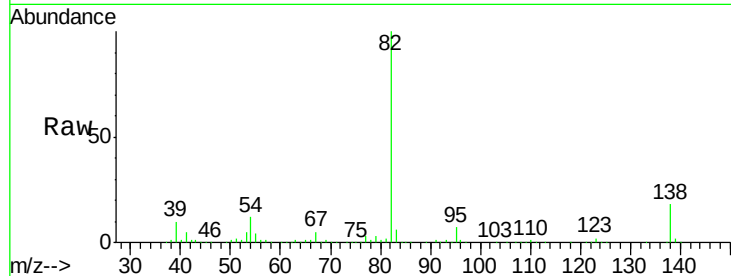
Tot Ion: 82 Resp: 818076

Ion Ratio Lower Upper

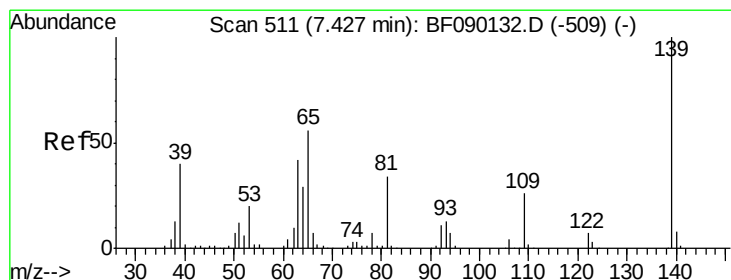
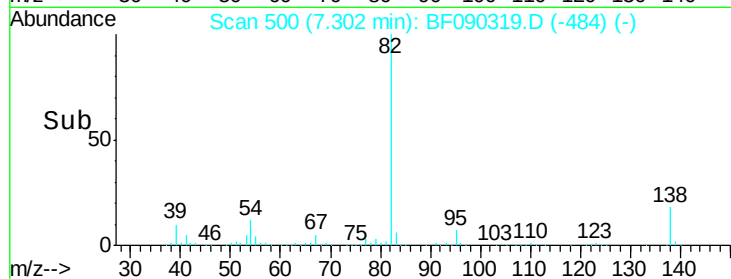
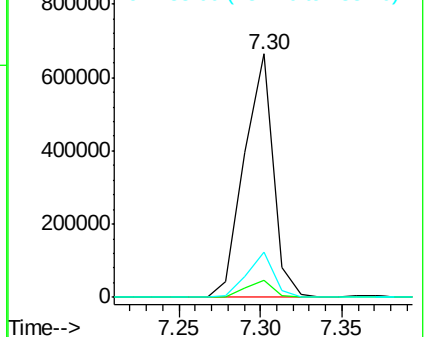
82 100

95 6.8 5.1 7.7

138 18.3 13.5 20.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 55.60 ng

RT: 7.37 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

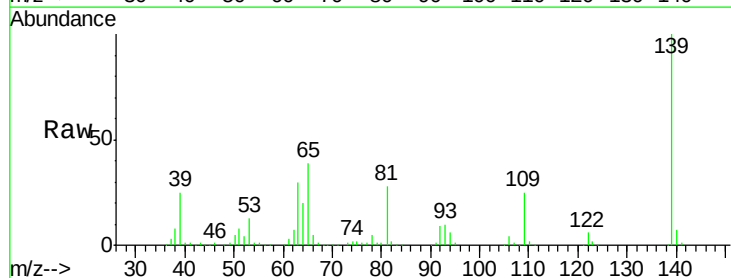
Tgt Ion: 139 Resp: 238108

Ion Ratio Lower Upper

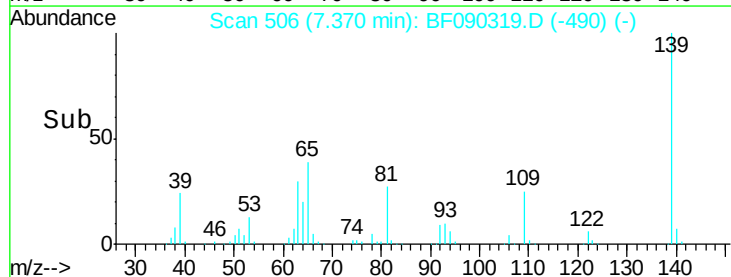
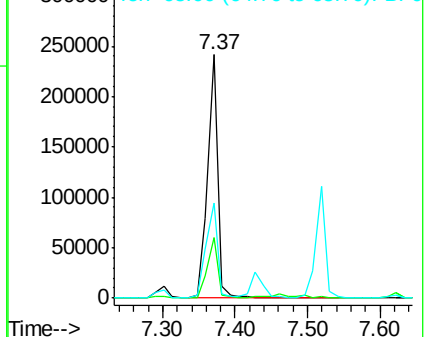
139 100

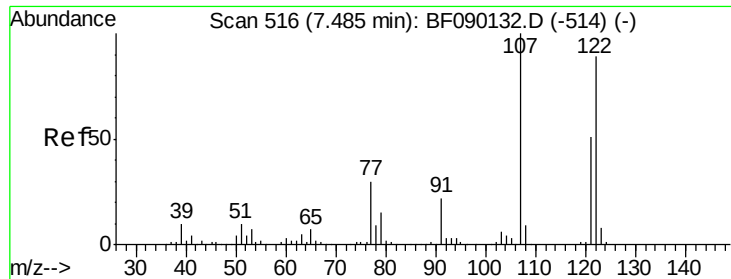
109 24.9 20.5 30.7

65 39.2 37.9 56.9



Abundance Ion 139.00 (138.70 to 139.70): BF0
Ion 109.00 (108.70 to 109.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 45.90 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

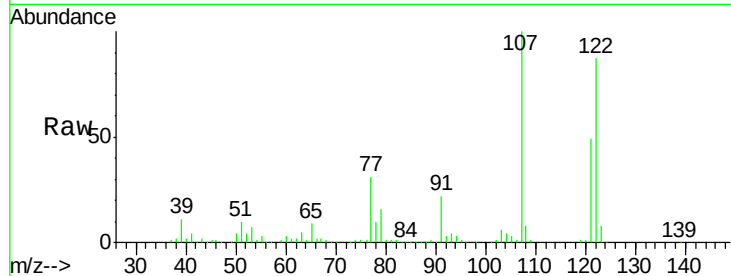
Tot Ion:122 Resp: 349223

Ion Ratio Lower Upper

122 100

107 115.6 87.8 131.6

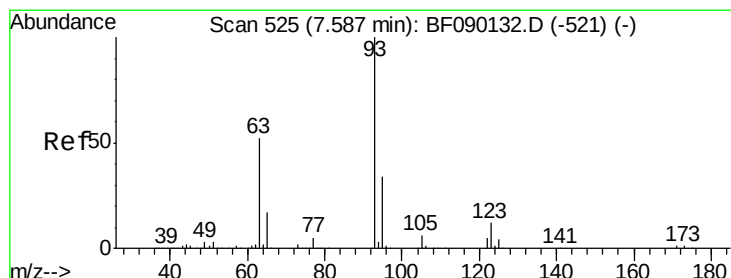
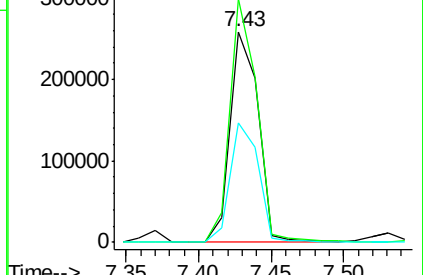
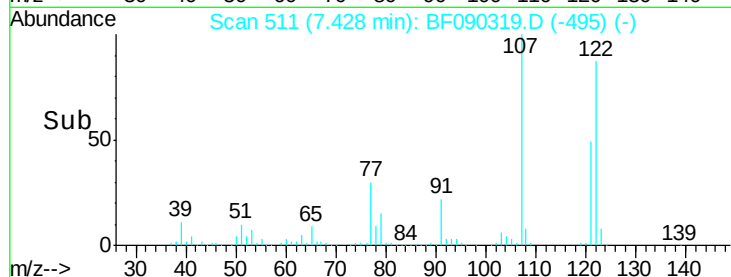
121 57.0 45.7 68.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.08 ng

RT: 7.52 min Scan# 519

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

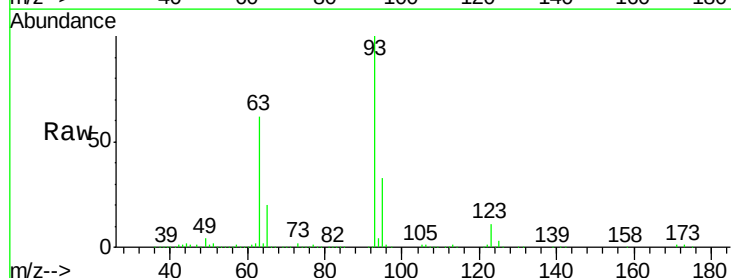
Tgt Ion: 93 Resp: 507175

Ion Ratio Lower Upper

93 100

95 32.9 26.8 40.2

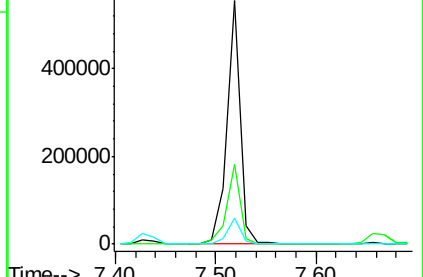
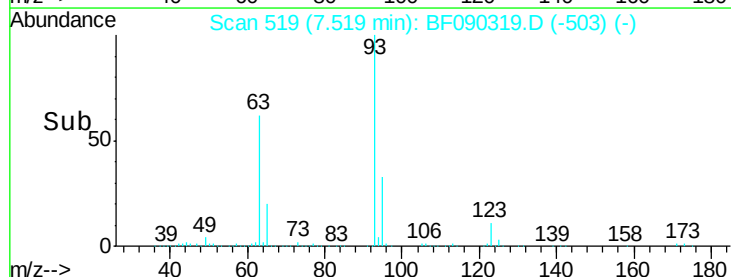
123 10.5 8.5 12.7

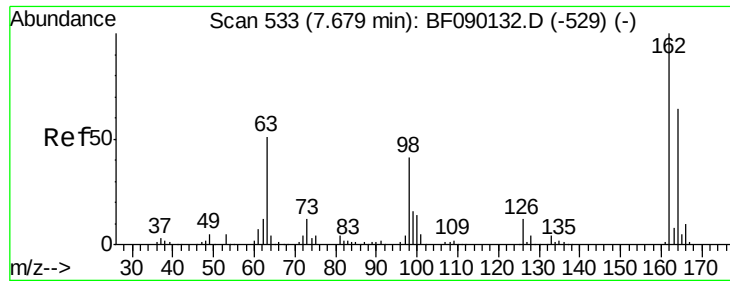


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

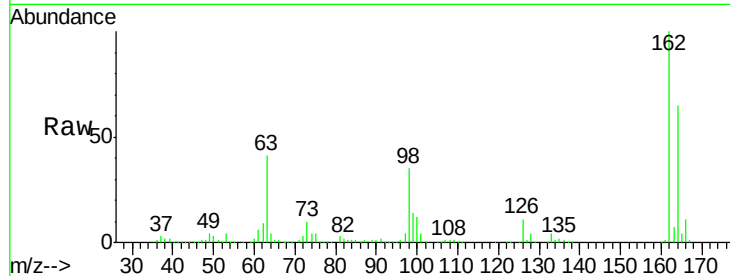




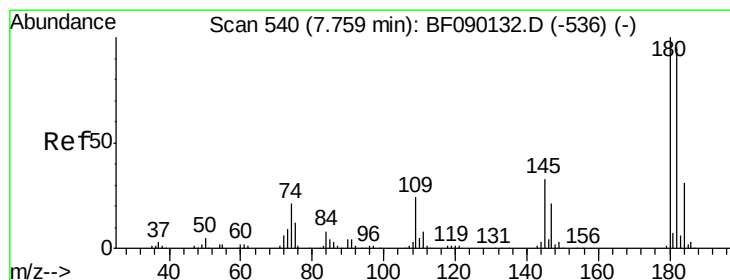
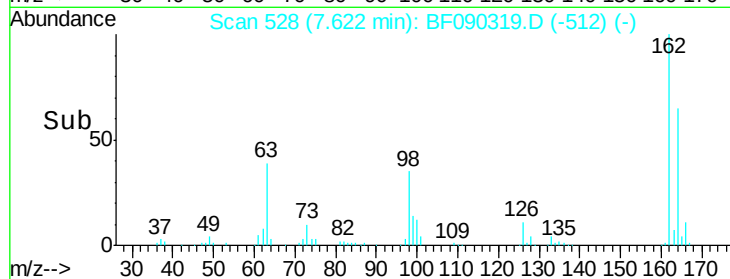
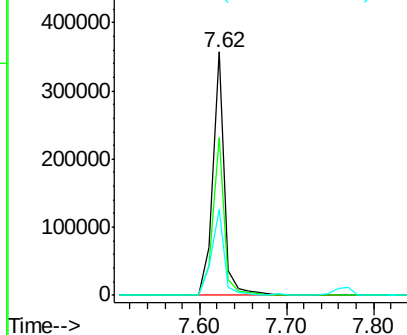
#29
 2,4-Dichlorophenol
 Concen: 50.45 ng
 RT: 7.62 min Scan# 528
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.0	46.2	86.2
98	35.4	10.4	50.4

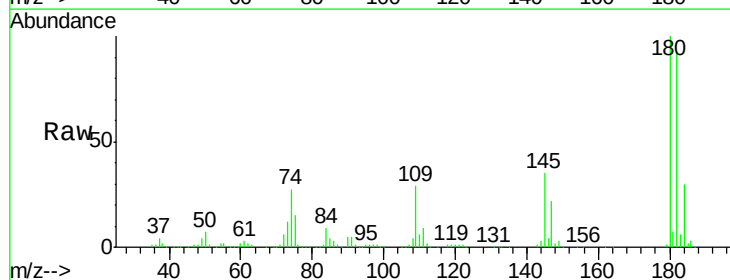


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

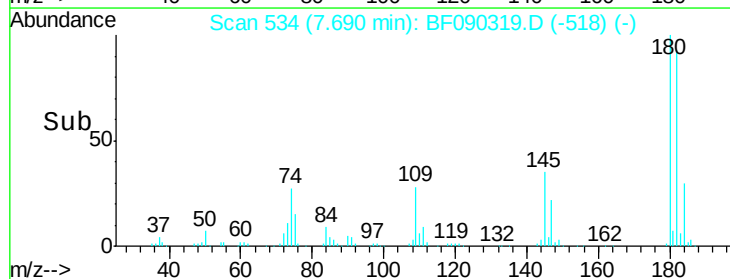
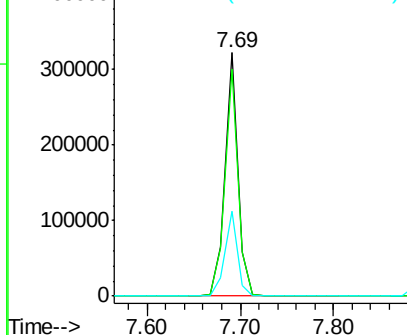


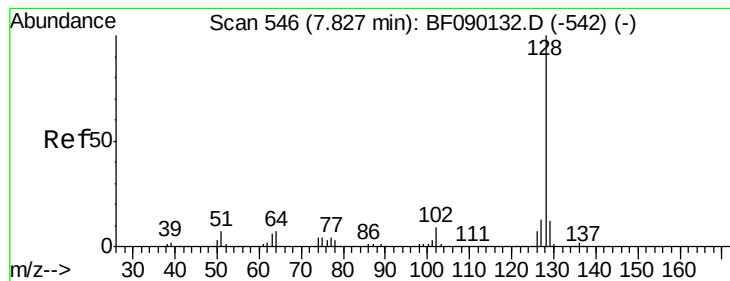
#30
 1,2,4-Trichlorobenzene
 Concen: 46.61 ng
 RT: 7.69 min Scan# 534
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.0	112.6
145	34.8	28.6	42.8



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 50.75 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

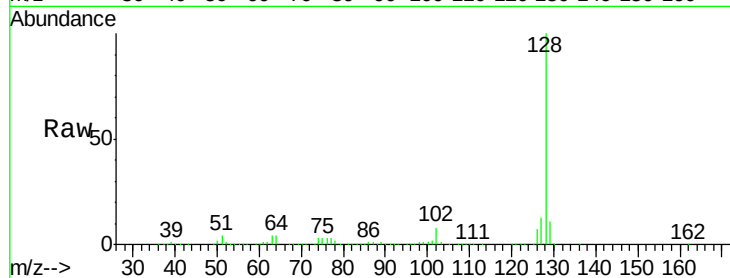
Tot Ion:128 Resp: 1169311

Ion Ratio Lower Upper

128 100

129 10.9 9.3 13.9

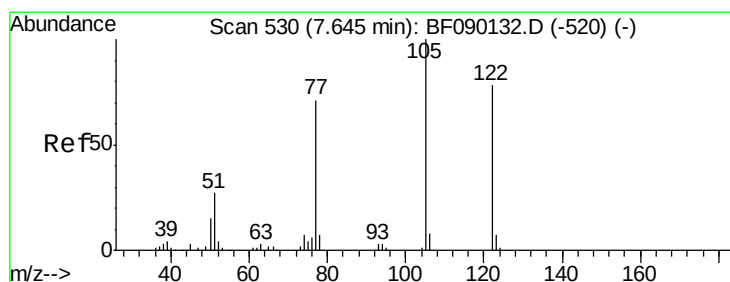
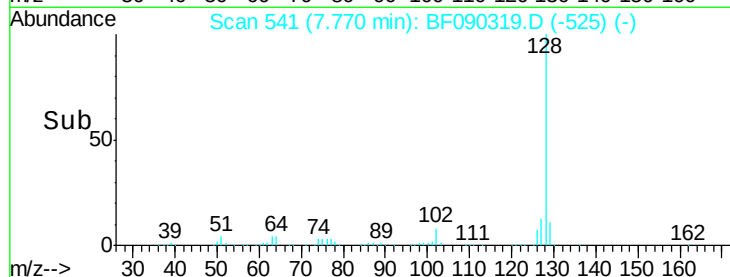
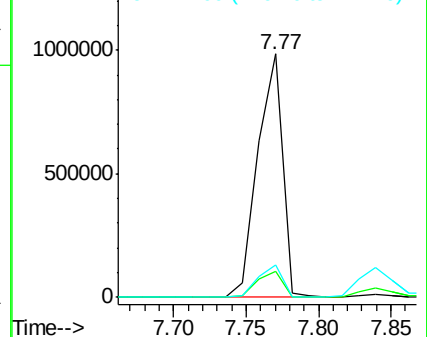
127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 3.52 ng

RT: 7.53 min Scan# 520

Delta R.T. -0.07 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

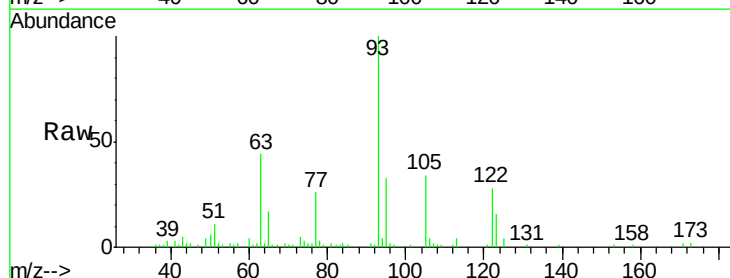
Tgt Ion:122 Resp: 18388

Ion Ratio Lower Upper

122 100

105 120.4 105.0 145.0

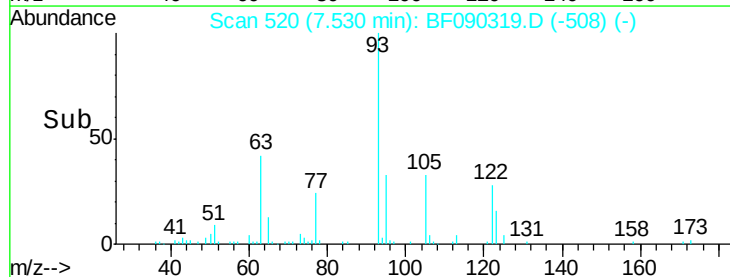
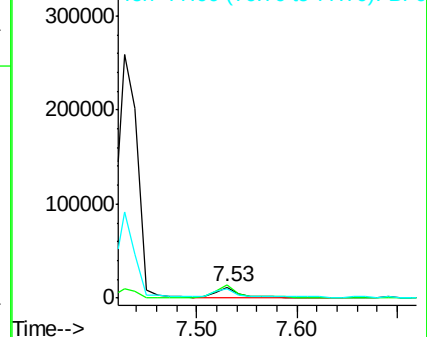
77 92.2 70.4 110.4

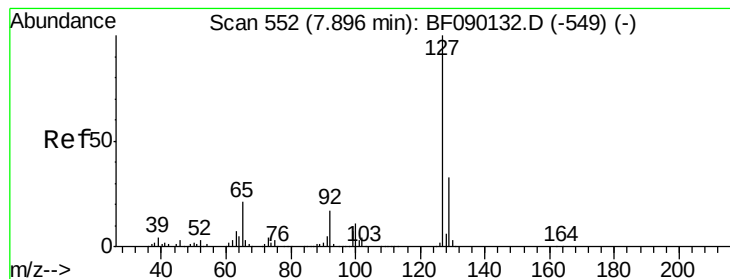


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 23.05 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

Tot Ion:127 Resp: 220272

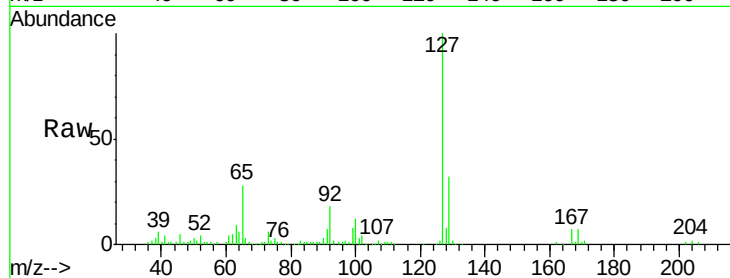
Ion Ratio Lower Upper

127 100

129 32.1 25.8 38.6

65 27.7 24.1 36.1

92 18.5 16.3 24.5

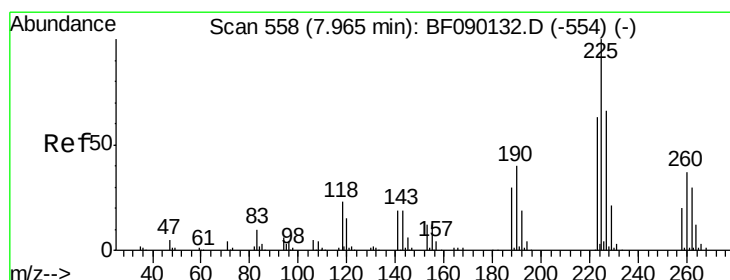
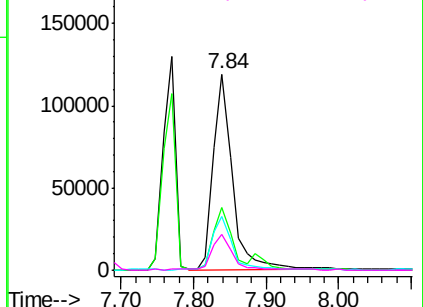
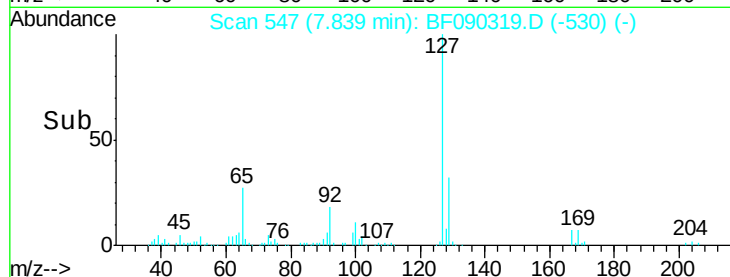


Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0



#34

Hexachlorobutadiene

Concen: 47.50 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

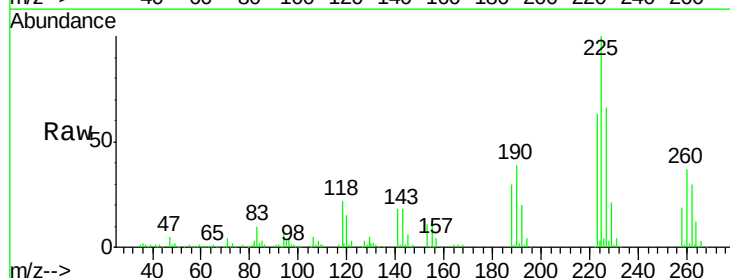
Tgt Ion:225 Resp: 167020

Ion Ratio Lower Upper

225 100

223 62.6 51.3 76.9

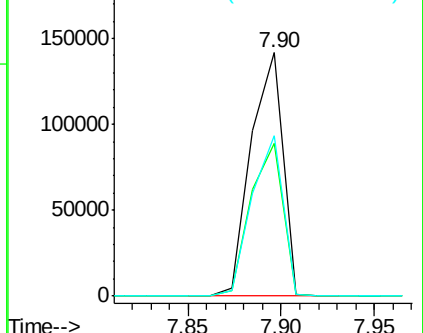
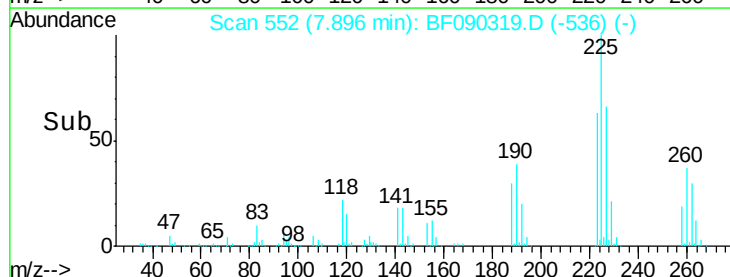
227 66.1 51.4 77.0

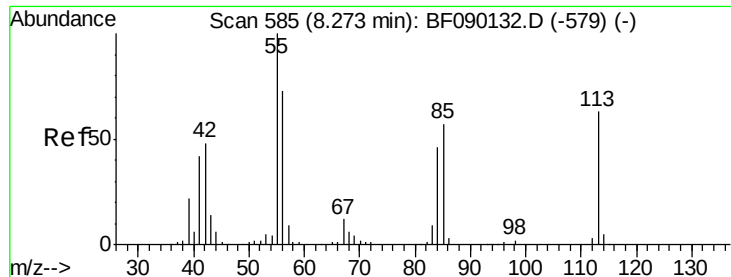


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

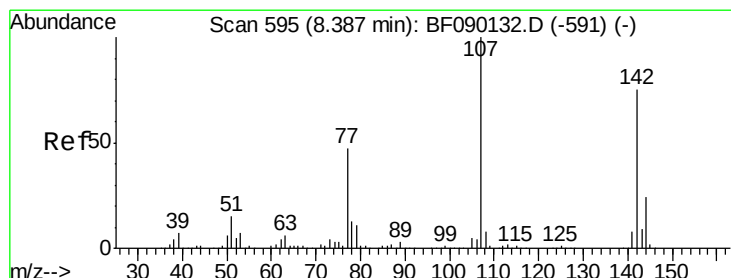
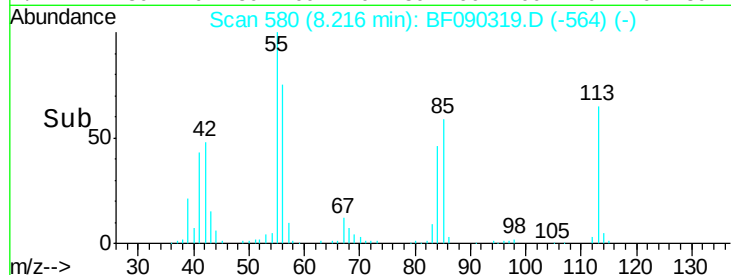
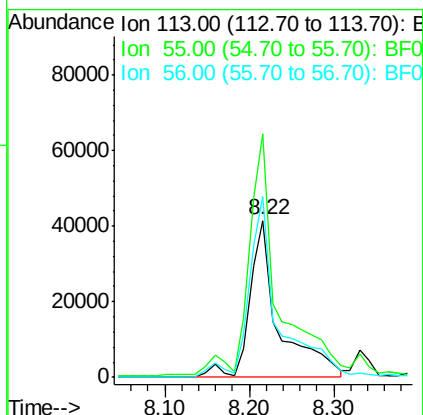
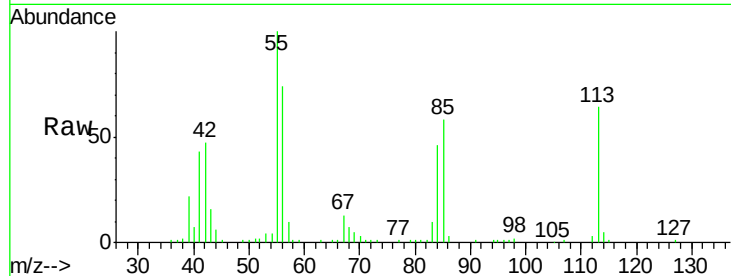




#35
Caprolactam
Concen: 45.55 ng/ml
RT: 8.22 min Scan# 580
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

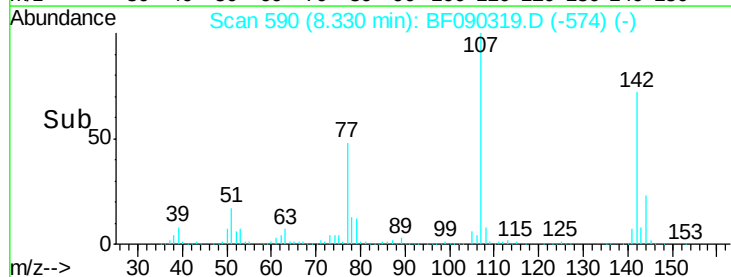
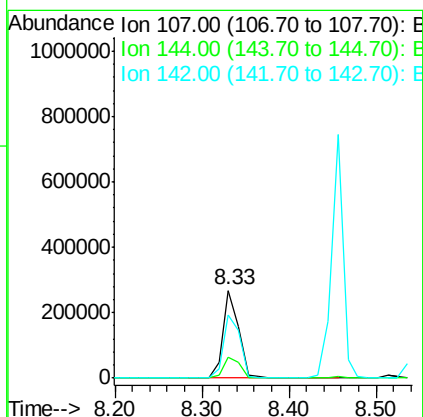
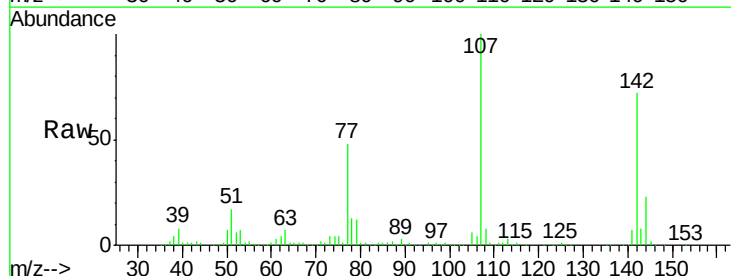
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

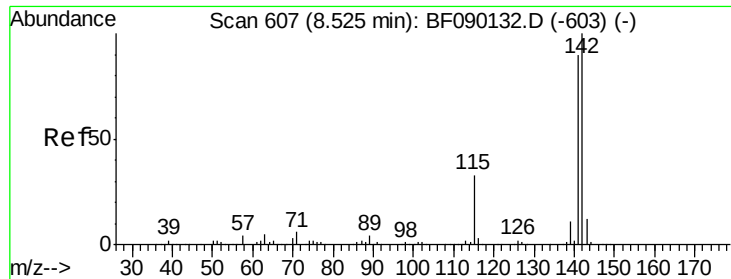
Tot Ion:113 Resp: 100624
Ion Ratio Lower Upper
113 100
55 155.3 134.5 174.5
56 115.3 93.7 133.7



#36
4-Chloro-3-methylphenol
Concen: 45.36 ng/ml
RT: 8.33 min Scan# 590
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:107 Resp: 342138
Ion Ratio Lower Upper
107 100
144 23.4 18.6 27.8
142 71.6 57.0 85.6





#37

2-Methylnaphthalene

Concen: 47.34 ng

RT: 8.46 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

BNA_F

ClientSampleId :

PA-4MSD

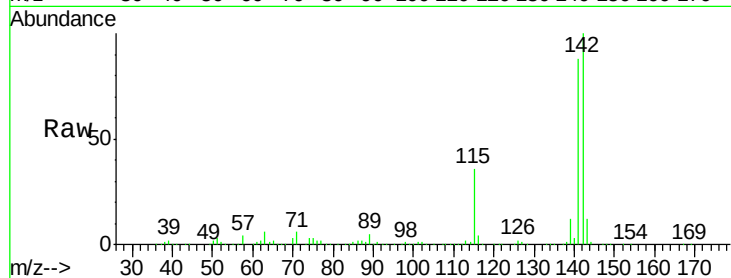
Tot Ion:142 Resp: 678202

Ion Ratio Lower Upper

142 100

141 88.4 71.4 107.2

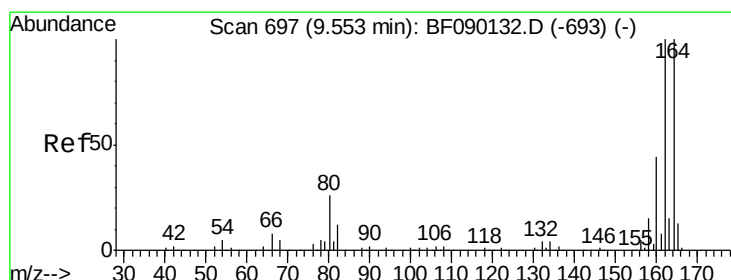
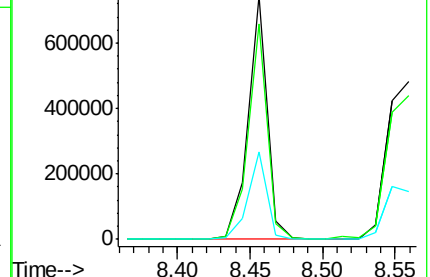
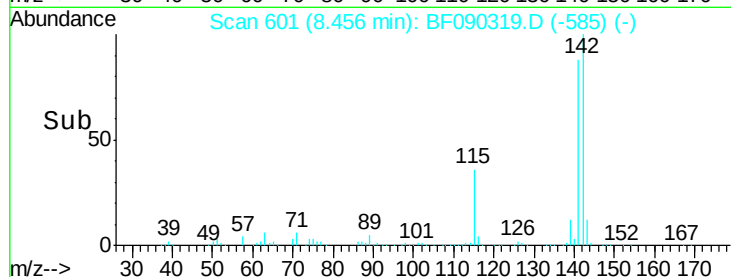
115 35.8 28.3 42.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#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

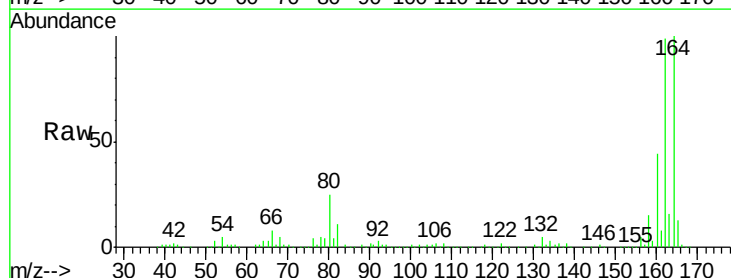
Tgt Ion:164 Resp: 239122

Ion Ratio Lower Upper

164 100

162 99.1 81.4 122.2

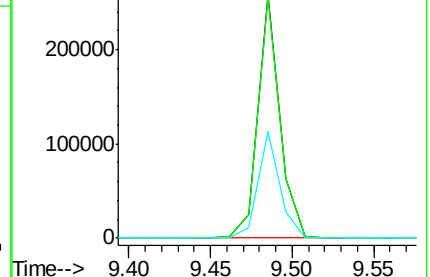
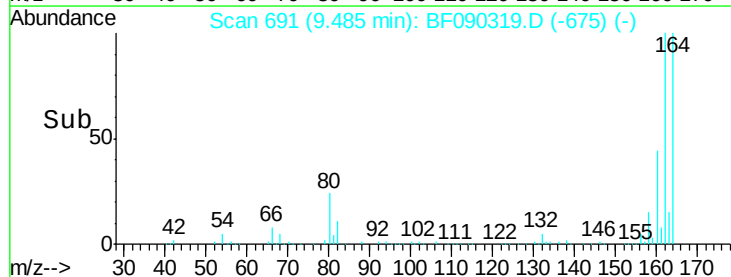
160 43.8 36.6 54.8

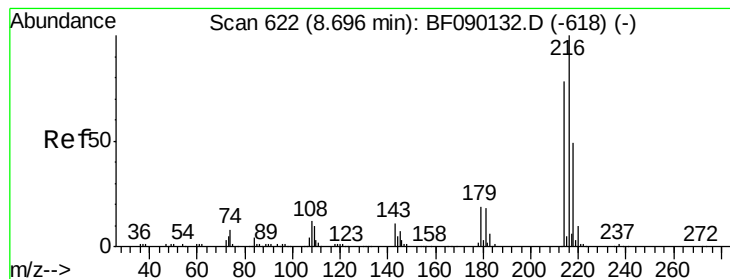


Abundance Ion 164.00 (163.70 to 164.70): E

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

Tot Ion:216 Resp: 293684

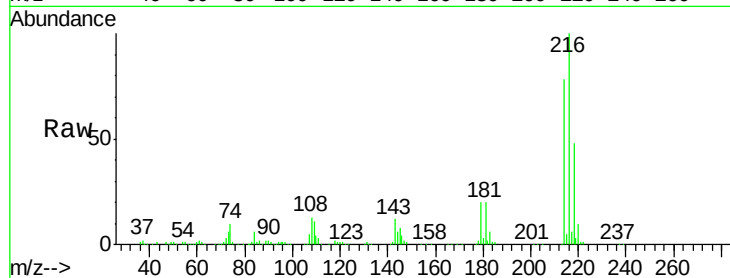
Ion Ratio Lower Upper

216 100

214 78.5 63.7 95.5

179 21.9 18.5 27.7

108 19.8 19.5 29.3

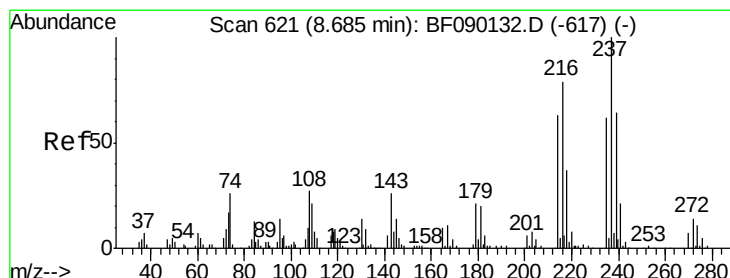
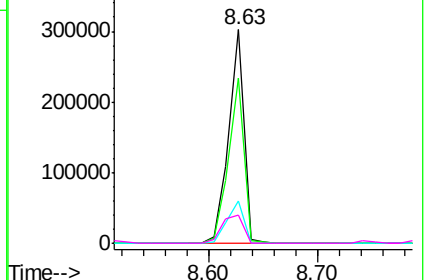
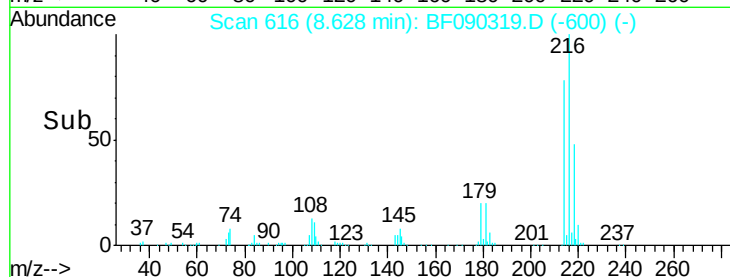


Abundance Ion 216.00 (215.70 to 216.70): E

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

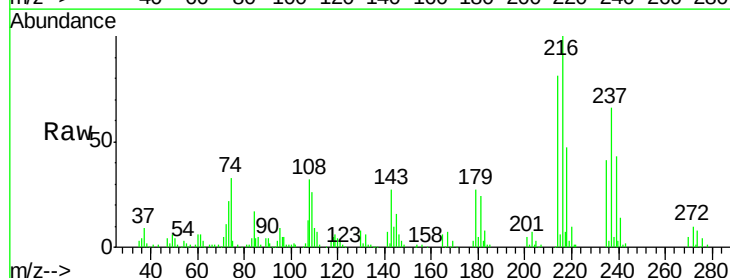
Tgt Ion:237 Resp: 90633

Ion Ratio Lower Upper

237 100

235 62.6 42.5 82.5

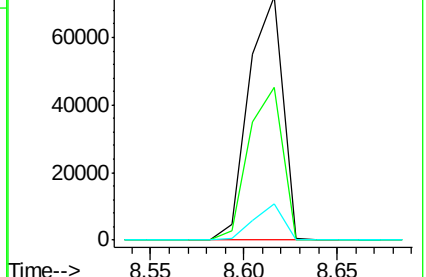
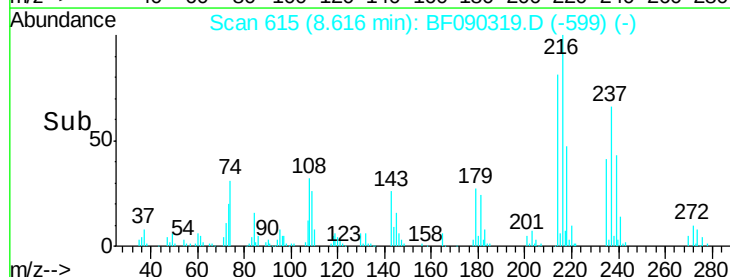
272 15.0 0.0 32.0

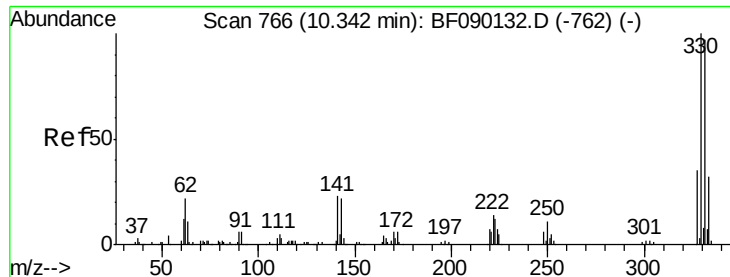


Abundance Ion 236.80 (236.50 to 237.50): E

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

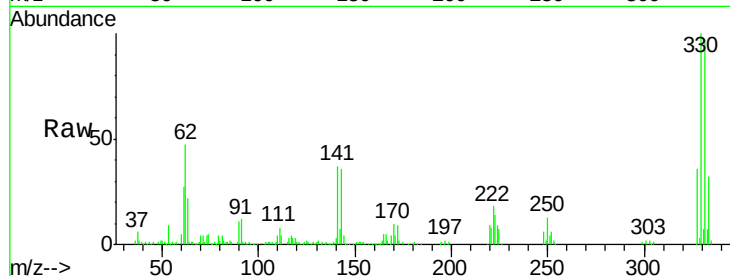
Tot Ion:330 Resp: 230841

Ion Ratio Lower Upper

330 100

332 97.8 78.1 117.1

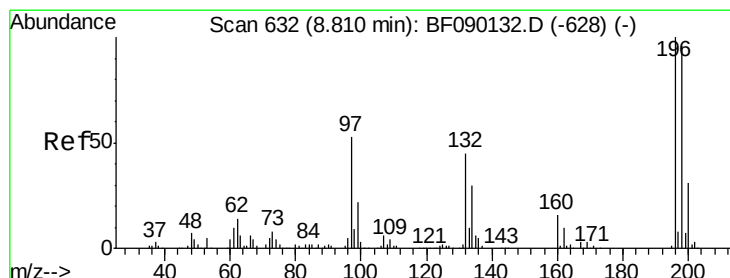
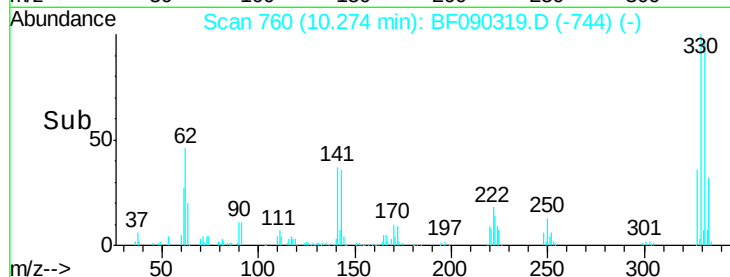
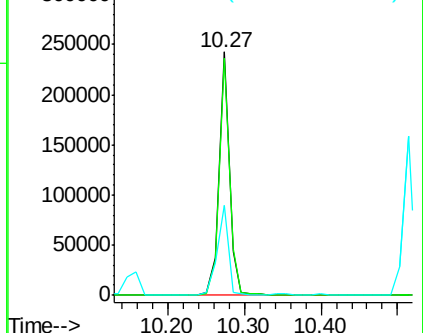
141 38.6 23.9 35.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#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

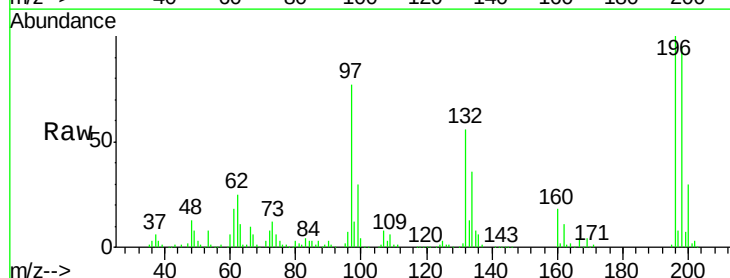
Tgt Ion:196 Resp: 190316

Ion Ratio Lower Upper

196 100

198 94.8 76.3 114.5

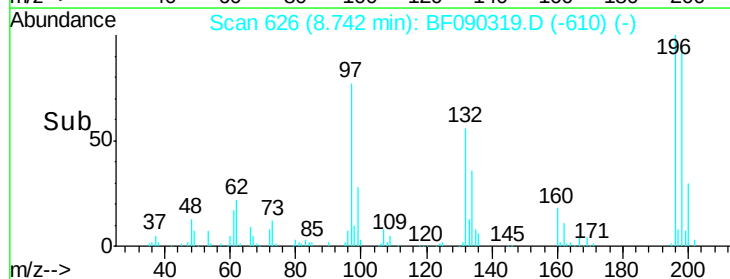
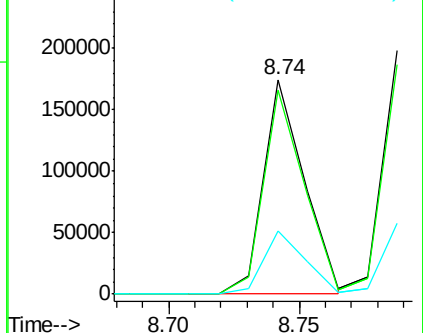
200 29.5 24.1 36.1

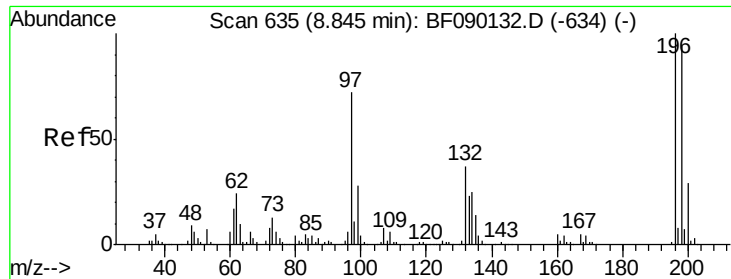


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

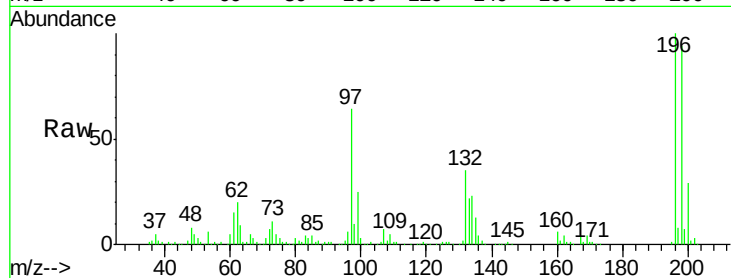




#43
 2,4,5-Trichlorophenol
 Concen: 50.19 ng
 RT: 8.79 min Scan# 630
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

Tot 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



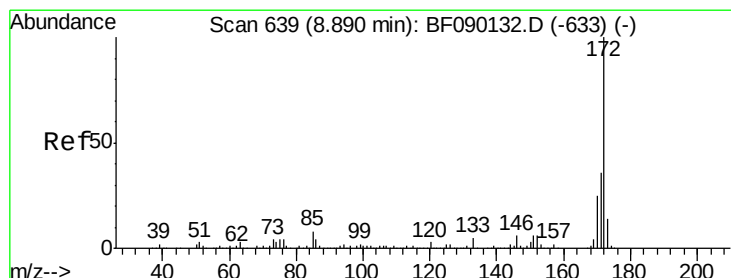
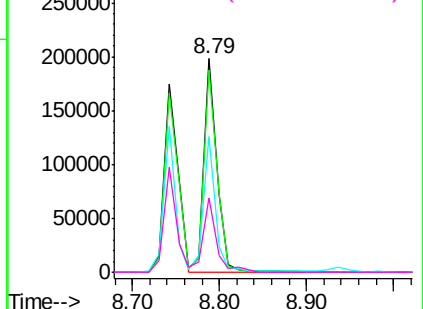
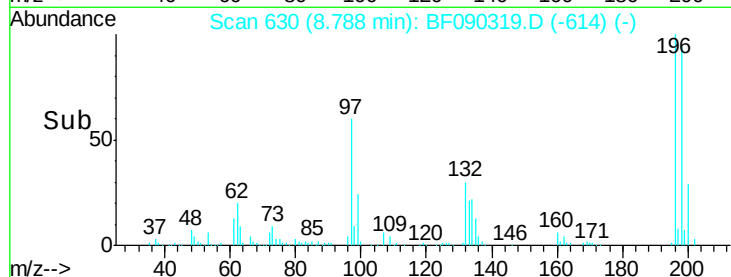
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

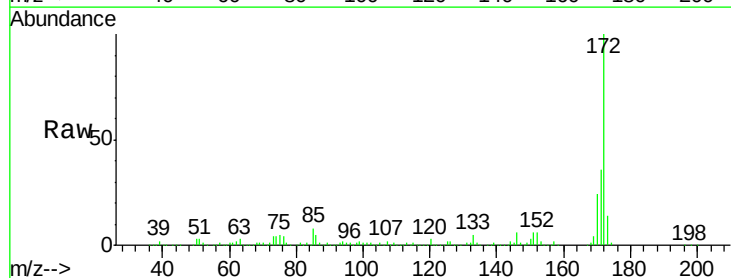
Ion 97.00 (96.70 to 97.70): BF0

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	Ratio	Lower	Upper
172	100		
171	35.7	29.2	43.8
170	24.2	19.8	29.8

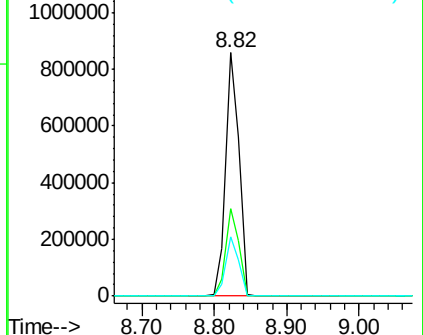
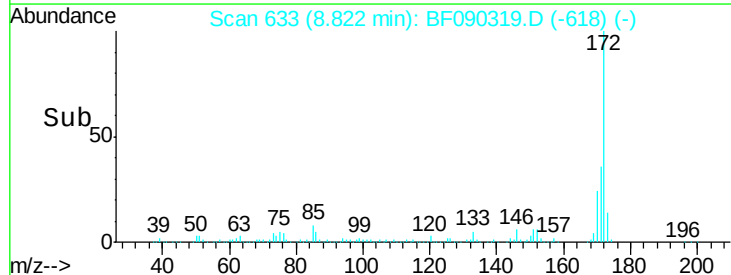


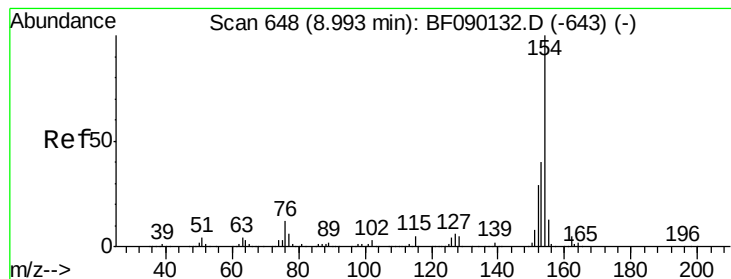
Abundance

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

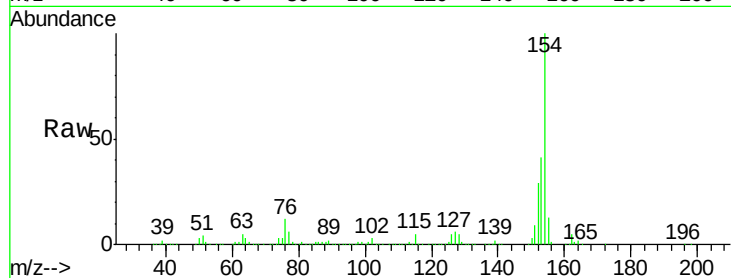
Tot Ion:154 Resp: 859480

Ion Ratio Lower Upper

154 100

153 40.9 20.6 60.6

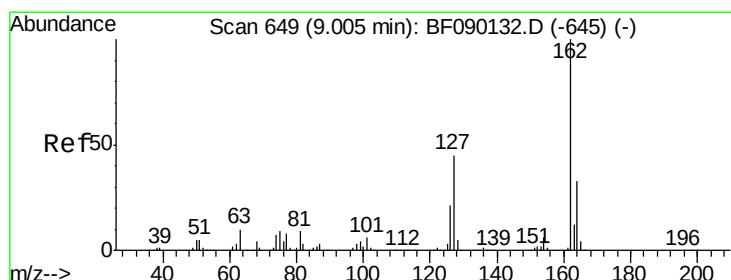
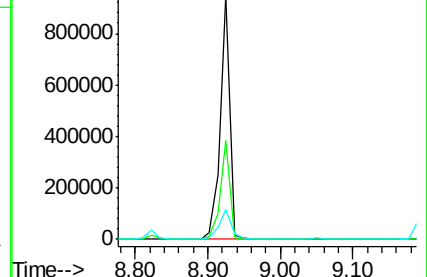
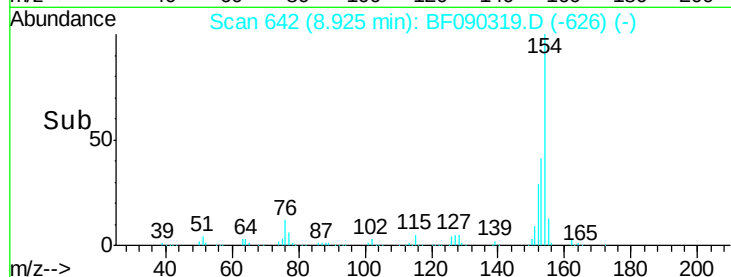
76 12.3 0.0 36.7



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

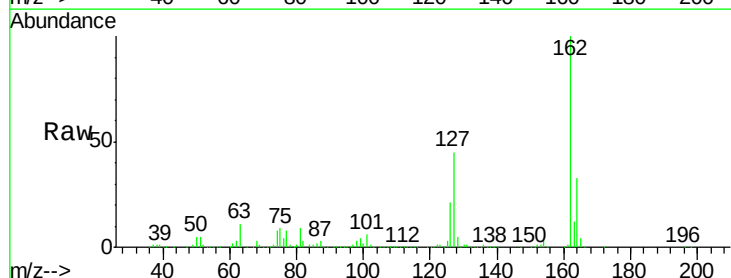
Tgt Ion:162 Resp: 599943

Ion Ratio Lower Upper

162 100

127 45.2 34.0 51.0

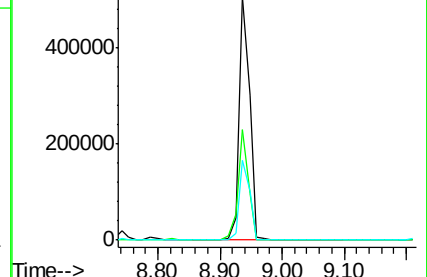
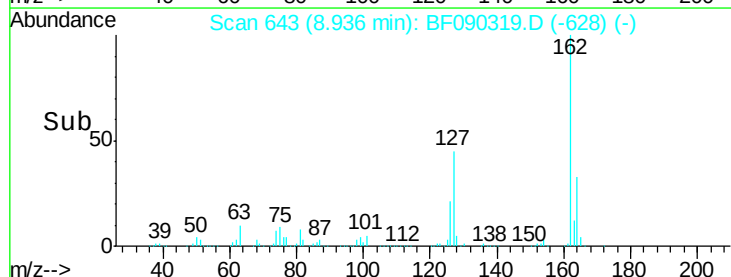
164 32.6 26.8 40.2

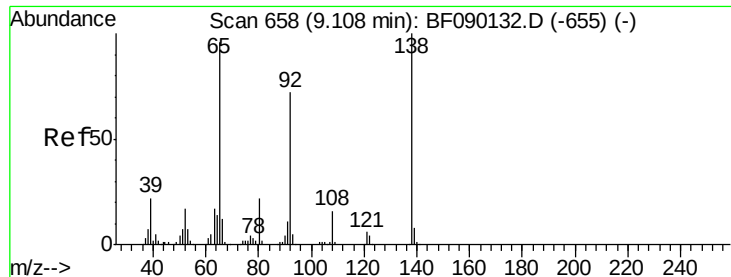


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

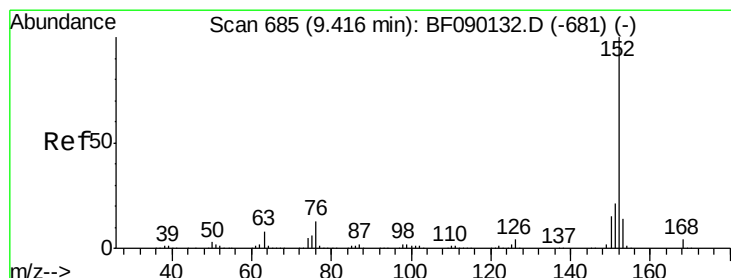
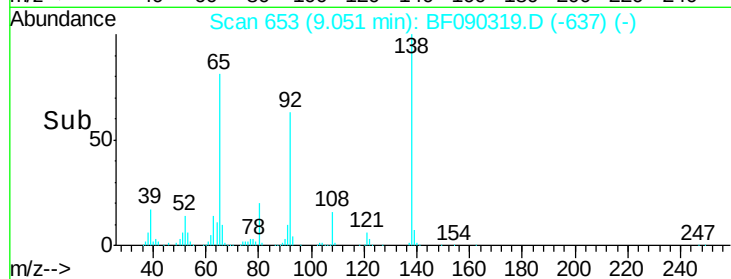
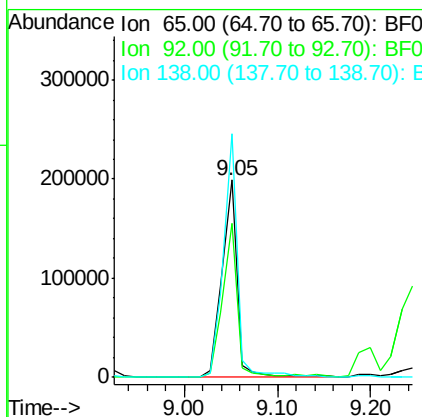
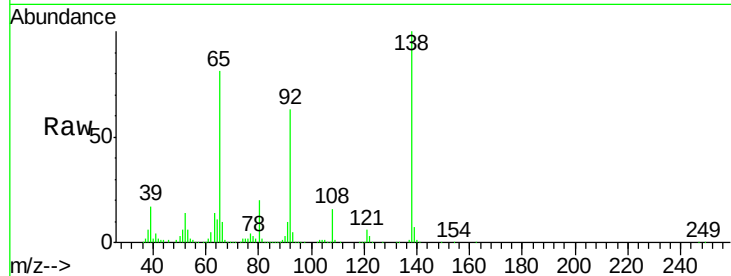




#47
2-Nitroaniline
Concen: 59.42 ng
RT: 9.05 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

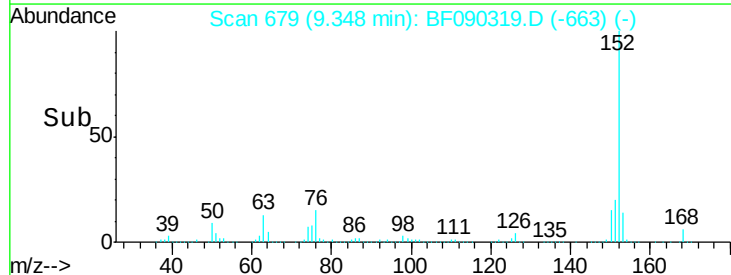
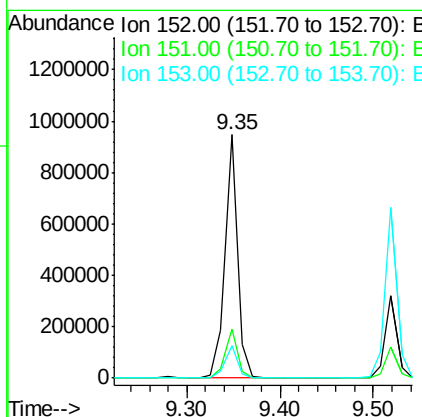
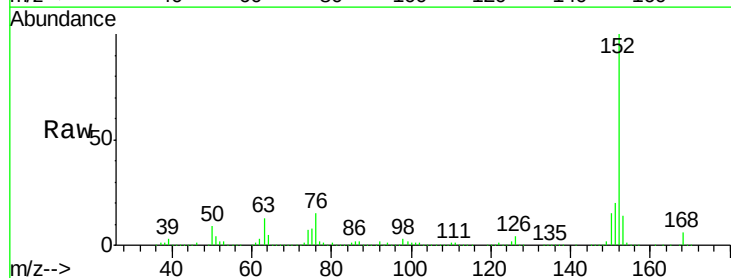
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

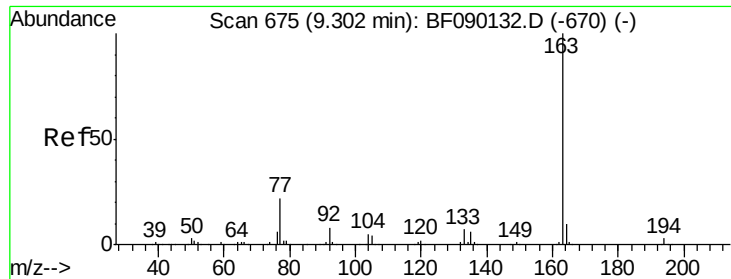
Tot Ion: 65 Resp: 226104
Ion Ratio Lower Upper
65 100
92 78.3 66.1 99.1
138 123.5 104.1 156.1



#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





#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

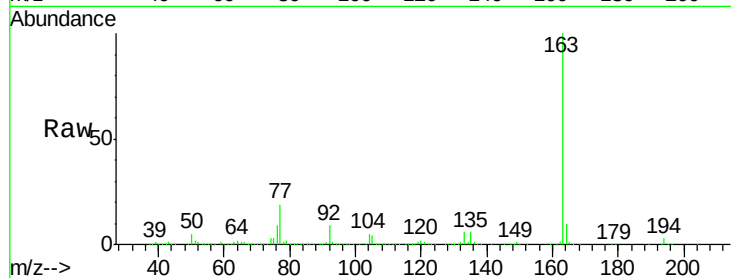
Tot Ion:163 Resp: 1372215

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

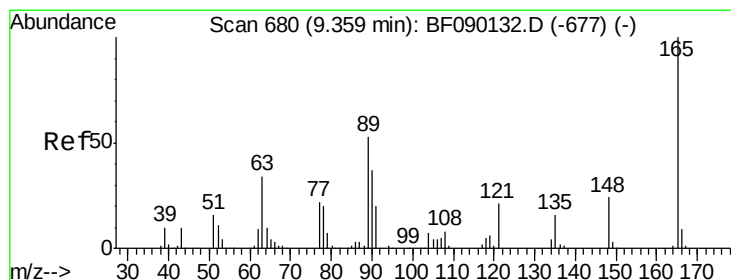
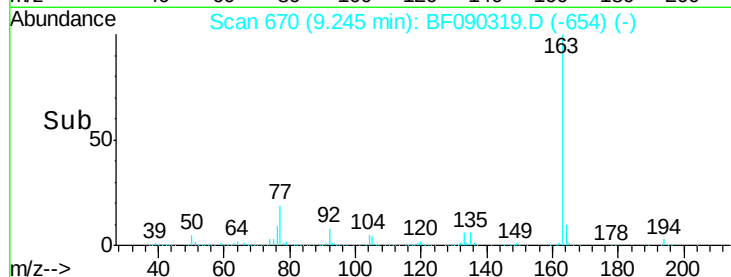
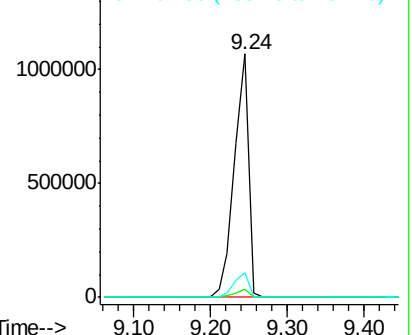
164 10.2 8.1 12.1



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

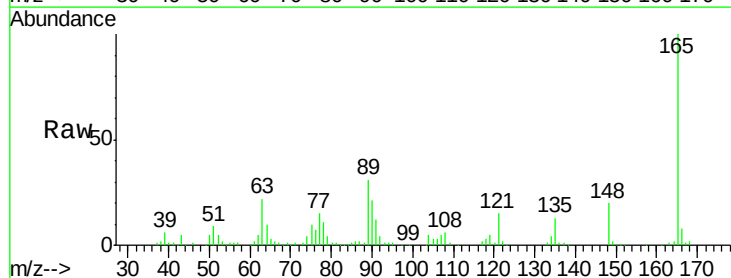
Tgt Ion:165 Resp: 169346

Ion Ratio Lower Upper

165 100

63 21.8 49.9 74.9#

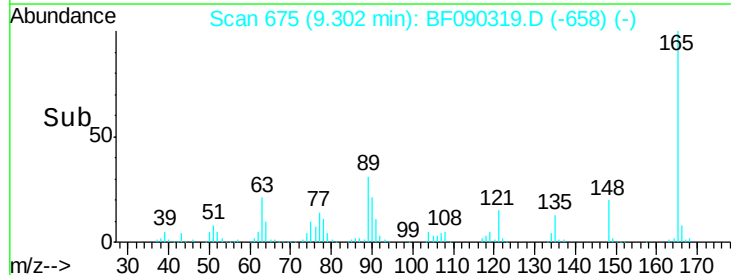
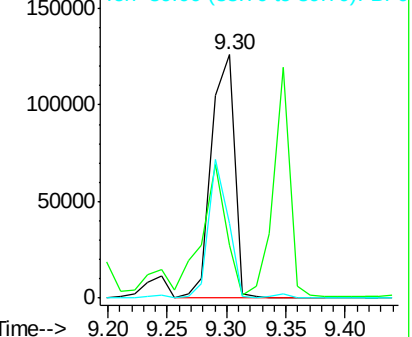
89 30.9 51.0 76.4#

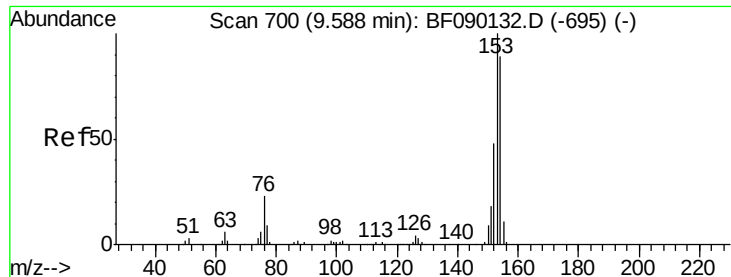


Abundance Ion 165.00 (164.70 to 165.70): E

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

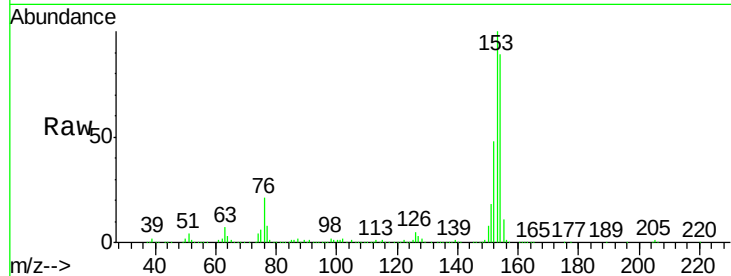
Tot Ion:154 Resp: 526509

Ion Ratio Lower Upper

154 100

153 112.7 90.8 136.2

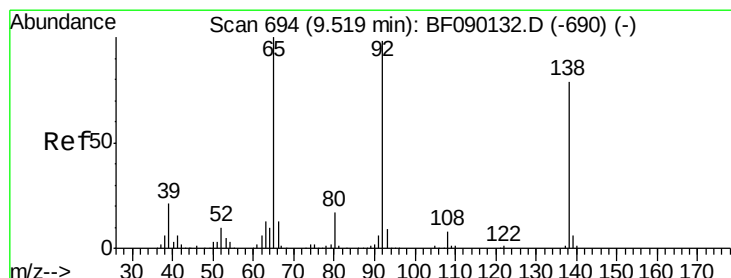
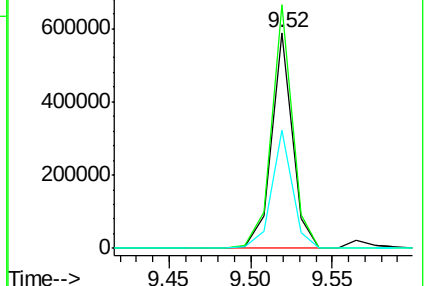
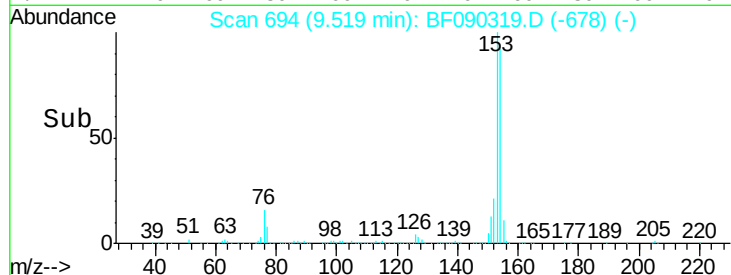
152 54.5 44.2 66.4



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

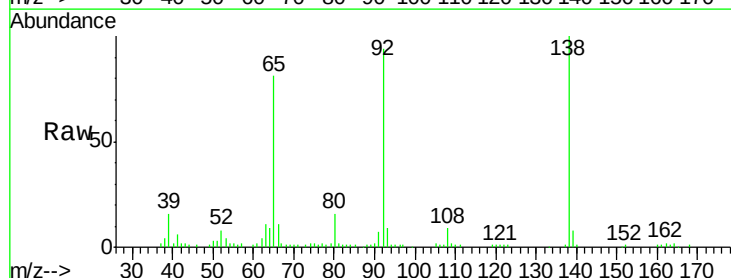
Tgt Ion:138 Resp: 121712

Ion Ratio Lower Upper

138 100

108 8.8 7.8 11.6

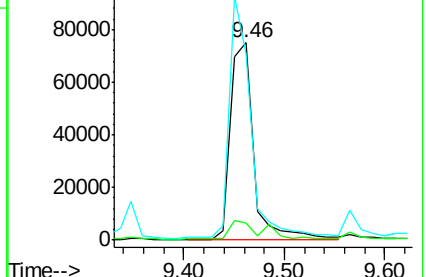
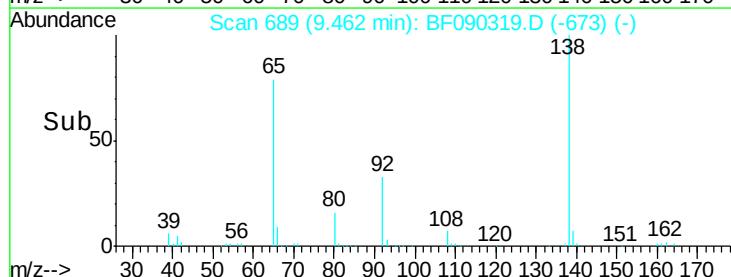
92 94.1 90.7 136.1

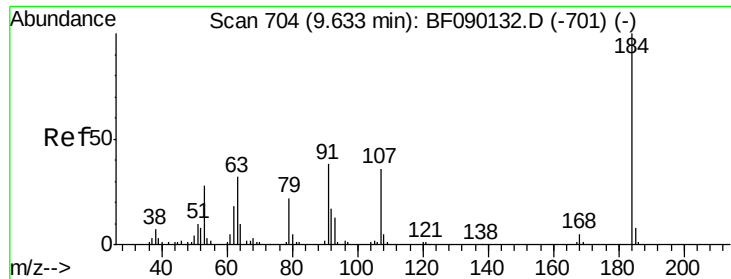


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

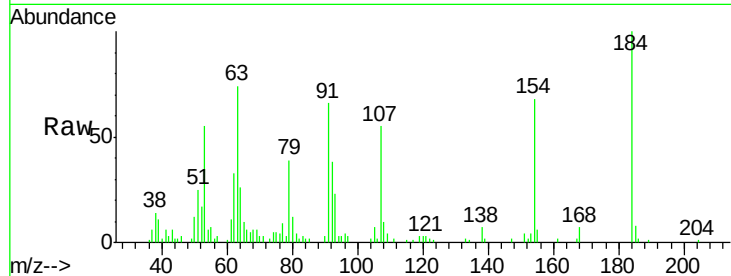




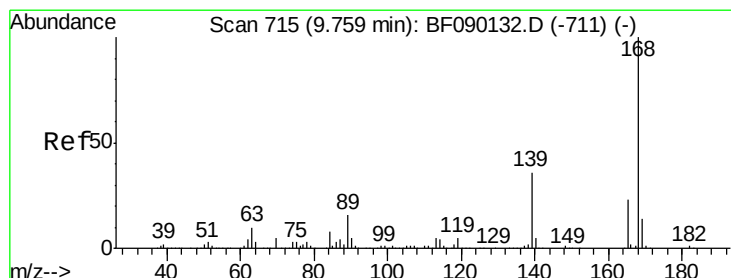
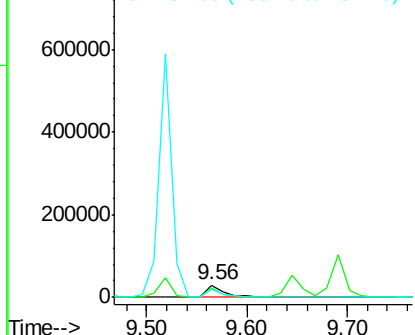
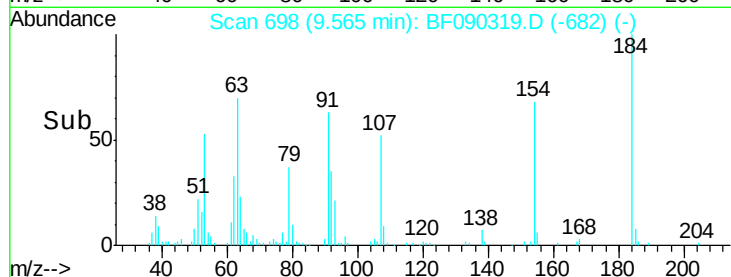
#53
 2,4-Dinitrophenol
 Concen: 23.28 ng
 RT: 9.56 min Scan# 698
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

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

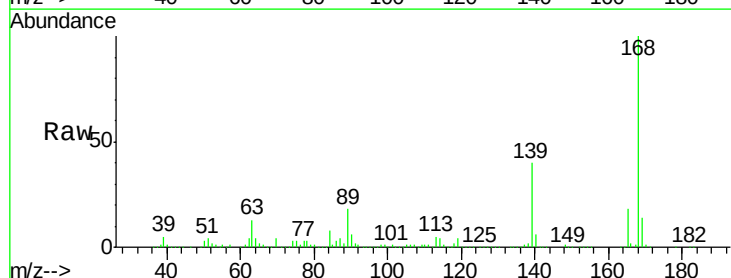


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

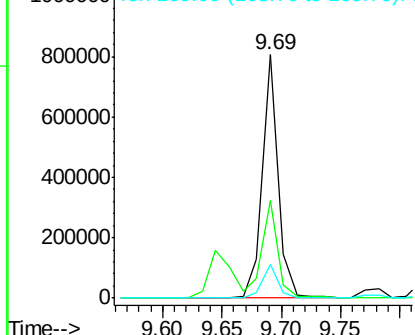
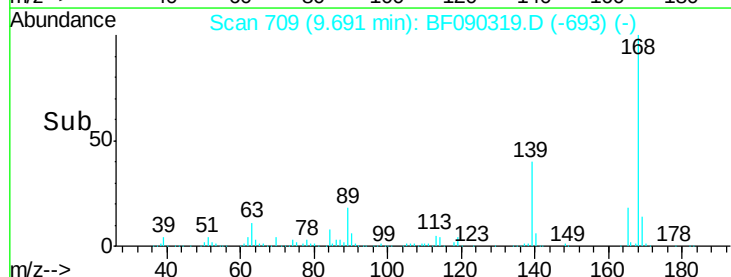


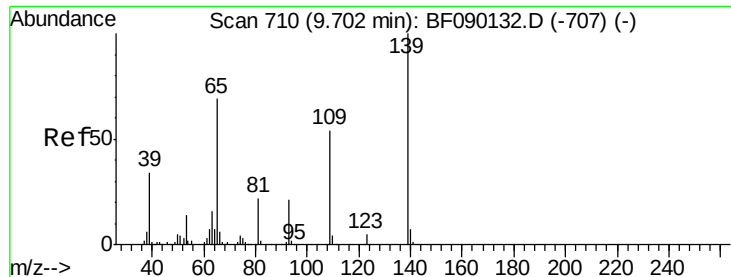
#54
 Dibenzofuran
 Concen: 47.55 ng
 RT: 9.69 min Scan# 709
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

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

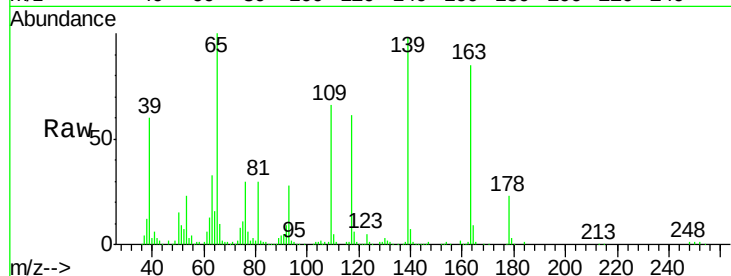
Tot Ion:139 Resp: 209251

Ion Ratio Lower Upper

139 100

109 66.9 35.6 75.6

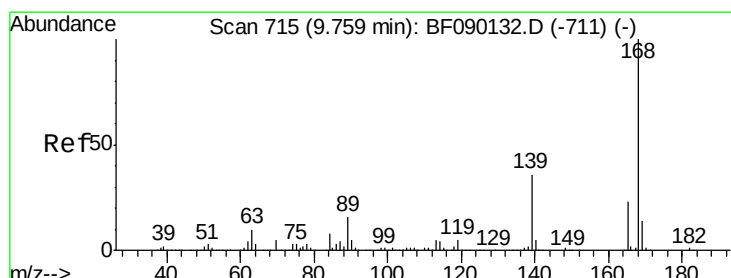
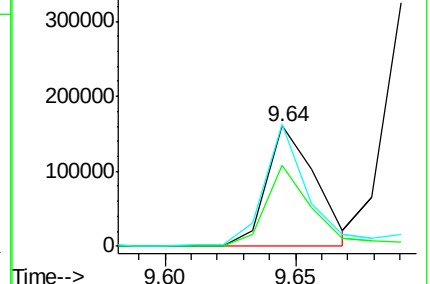
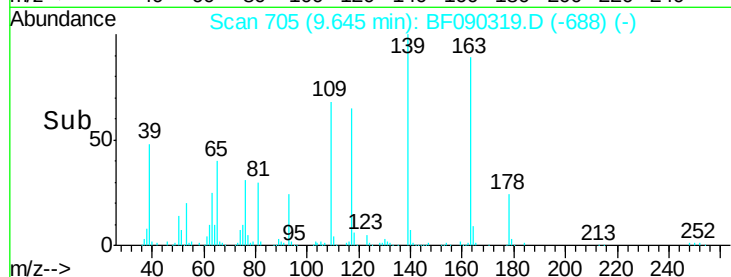
65 102.0 55.5 95.5#



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

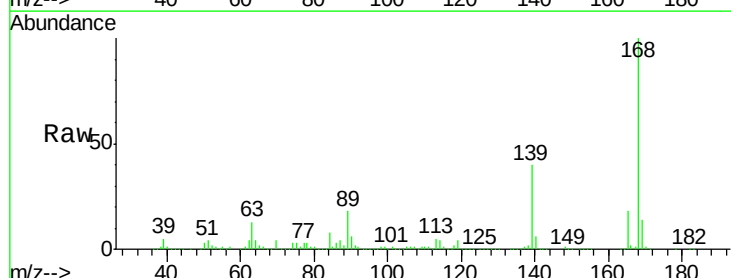
Ion Ratio Lower Upper

165 100

63 72.9 44.4 66.6#

89 101.1 70.1 105.1

182 2.0 1.7 2.5

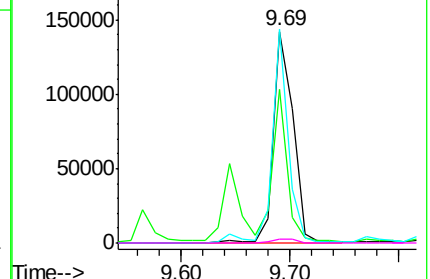
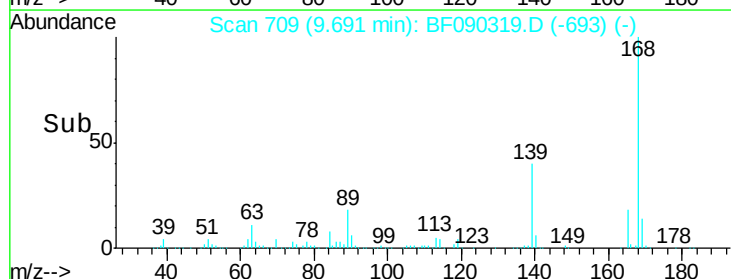


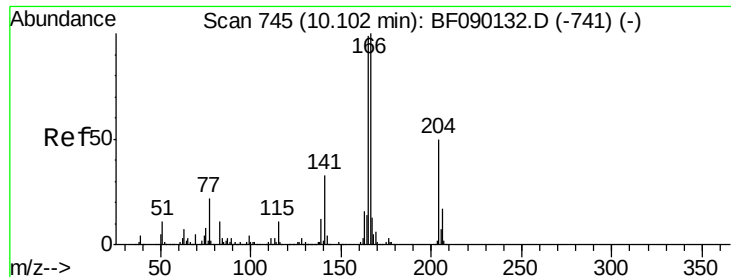
Abundance Ion 165.00 (164.70 to 165.70): E

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

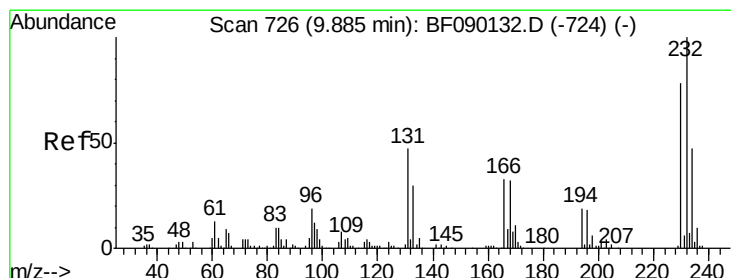
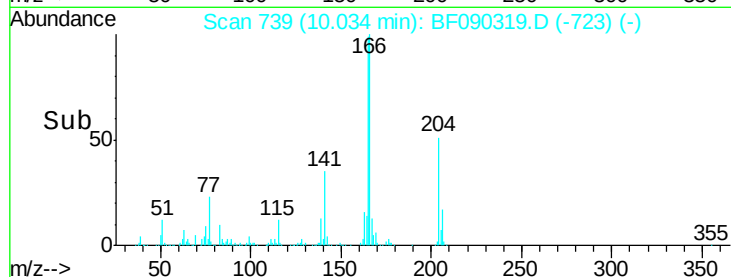
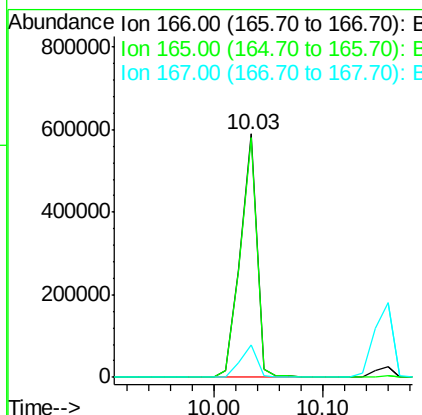
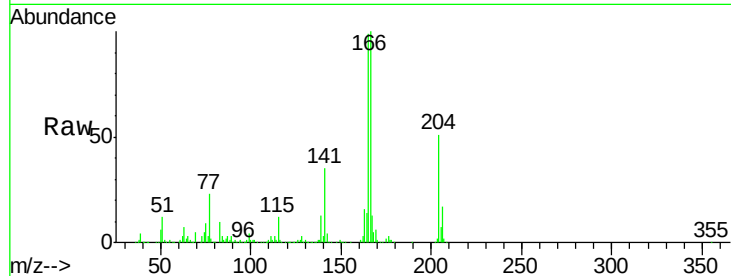




#57
 Fluorene
 Concen: 51.18 ng
 RT: 10.03 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF090319.D
 Acq: 30 Sep 2016 18:33

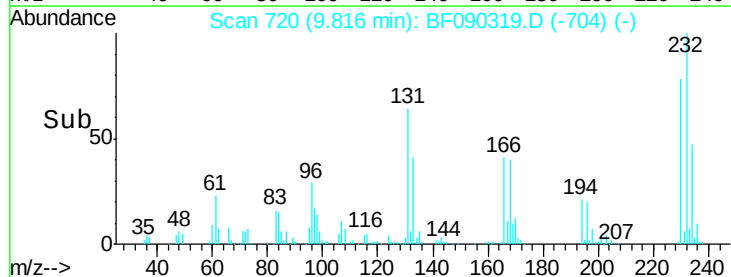
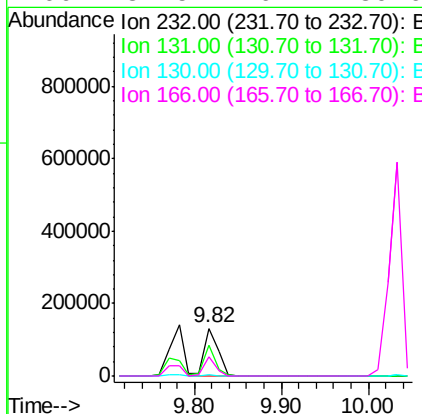
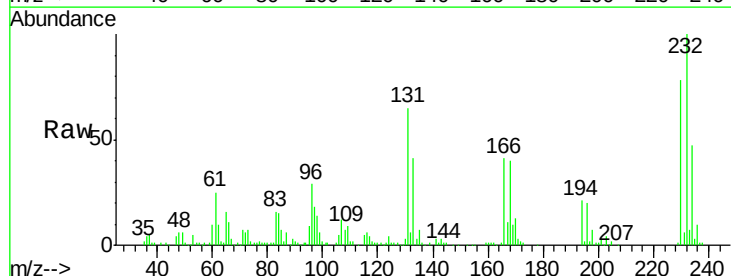
Instrument :
 BNA_F
 ClientSampleId :
 PA-4MSD

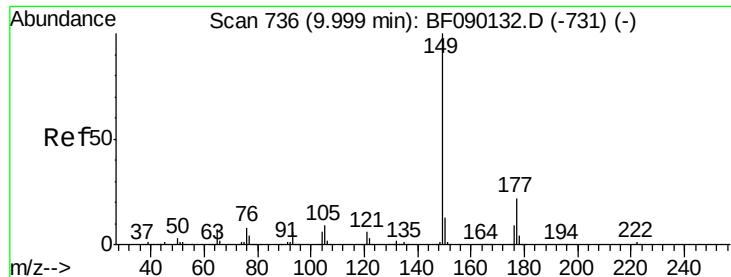
Tot Ion:166 Resp: 617517
 Ion Ratio Lower Upper
 166 100
 165 98.5 78.5 117.7
 167 13.4 11.2 16.8



#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

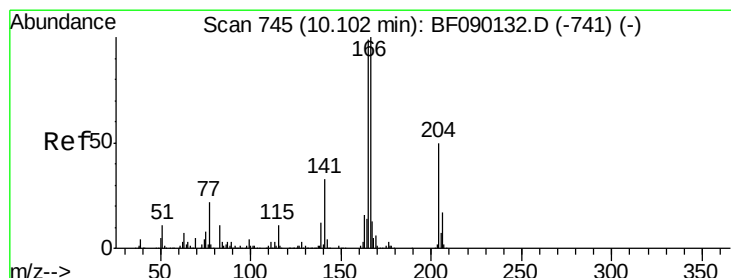
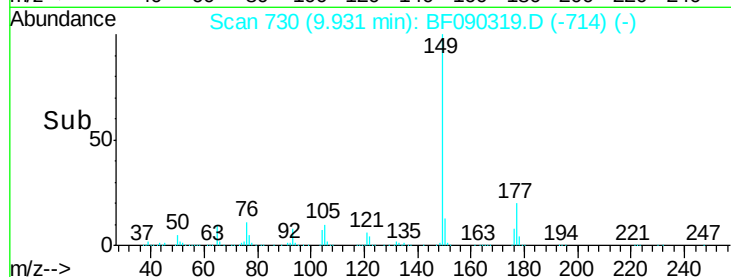
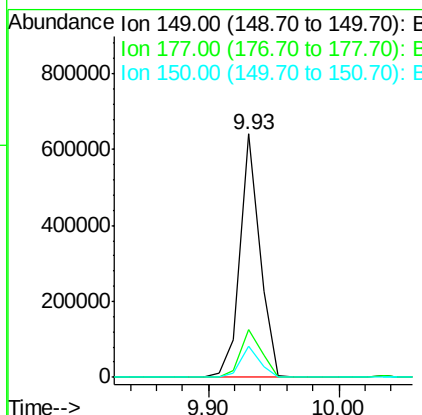
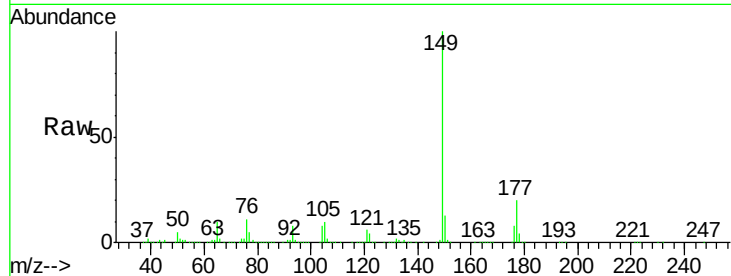




#59
Diethylphthalate
Concen: 45.68 ng
RT: 9.93 min Scan# 730
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

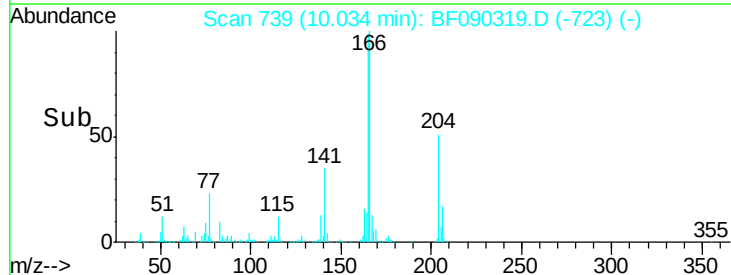
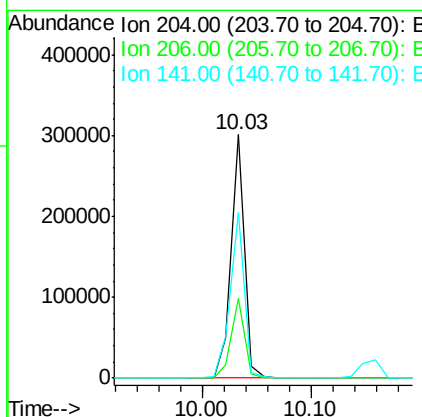
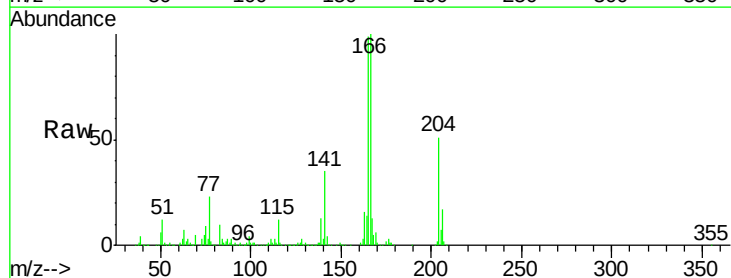
Instrument :
BNA_F
ClientSampleId :
PA-4MSD

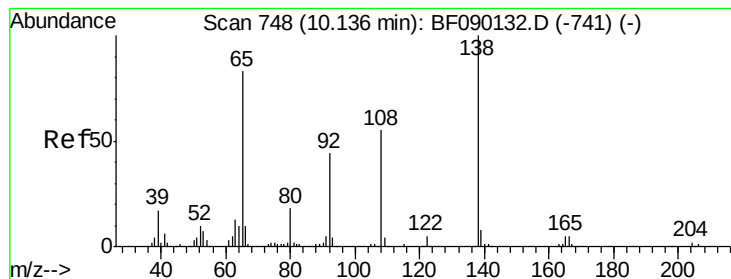
Tot Ion:149 Resp: 671878
Ion Ratio Lower Upper
149 100
177 19.7 15.8 23.6
150 12.9 10.4 15.6



#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

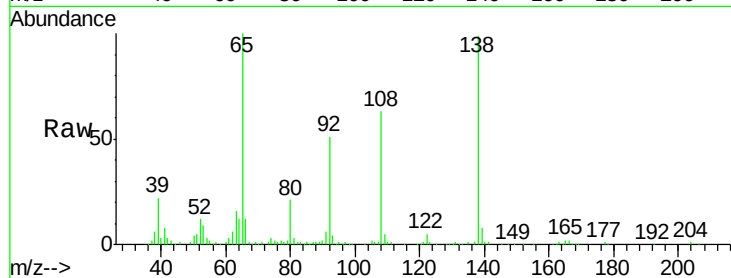
Tot Ion:138 Resp: 170538

Ion Ratio Lower Upper

138 100

92 50.8 23.8 63.8

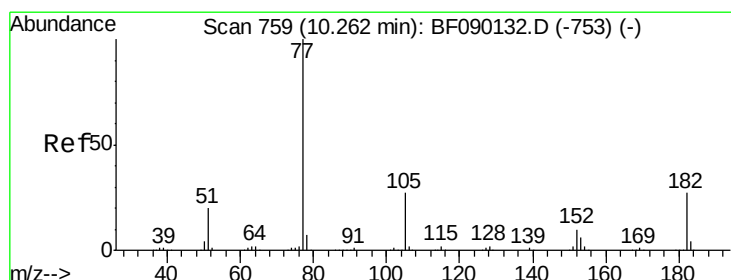
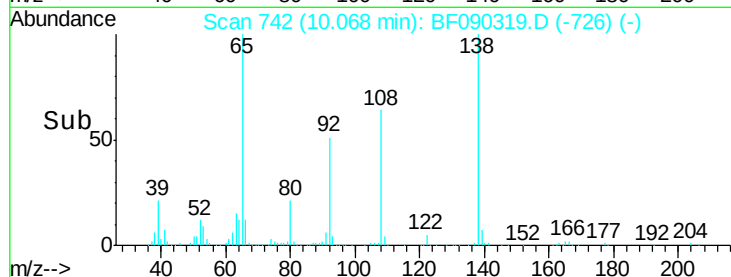
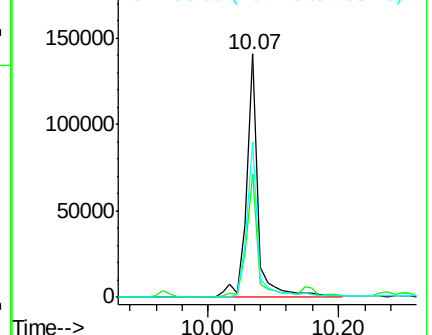
108 63.7 35.0 75.0



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

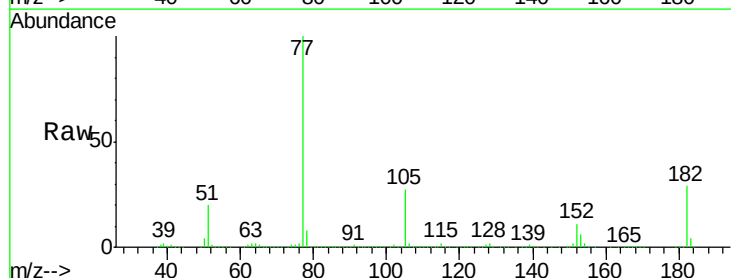
Ion Ratio Lower Upper

77 100

182 28.5 0.0 38.4

105 26.7 3.8 43.8

51 20.2 2.6 42.6

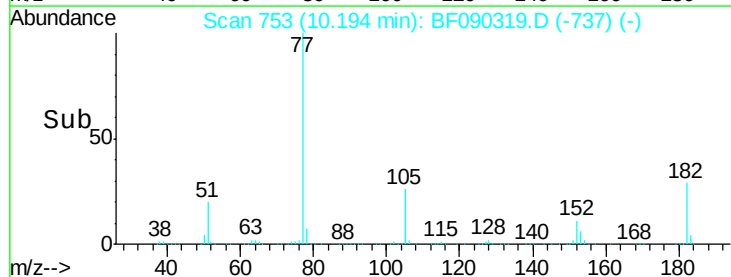
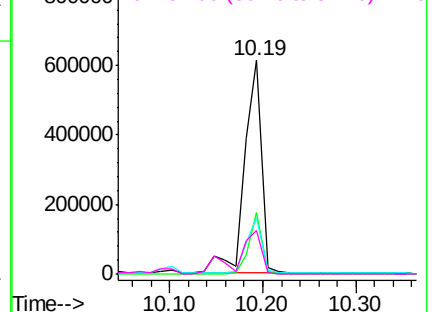


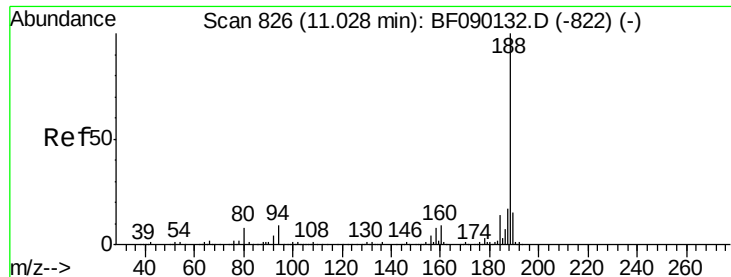
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

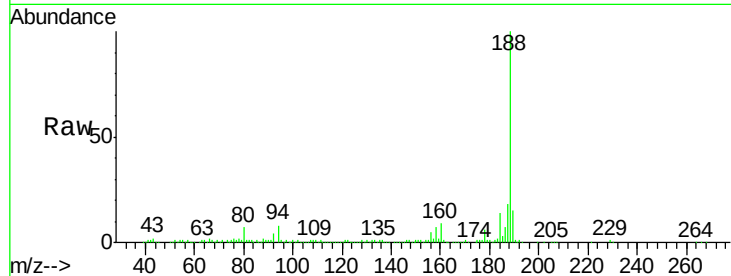
Tot Ion:188 Resp: 325715

Ion Ratio Lower Upper

188 100

94 7.8 10.5 15.7#

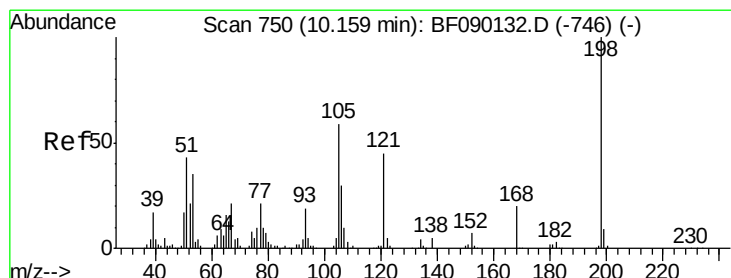
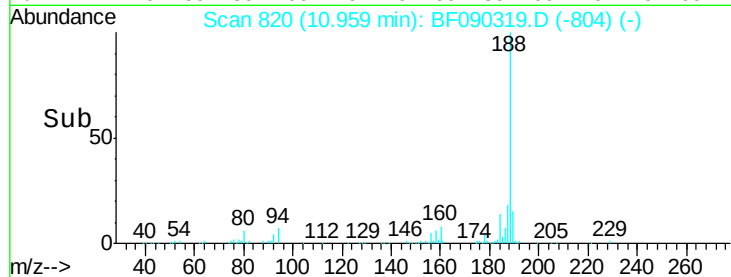
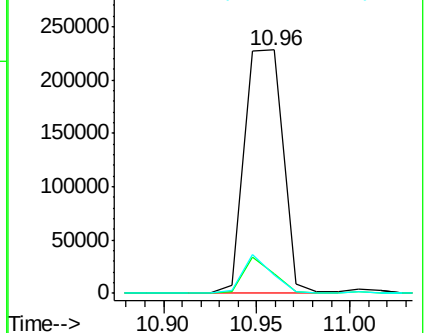
80 7.3 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#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

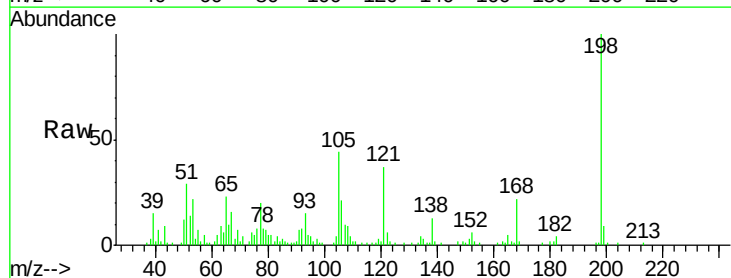
Tgt Ion:198 Resp: 48510

Ion Ratio Lower Upper

198 100

51 28.7 5.5 45.5

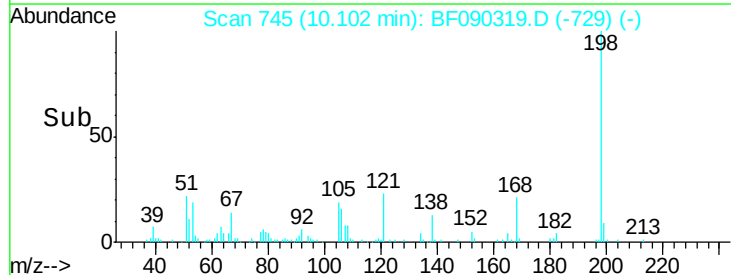
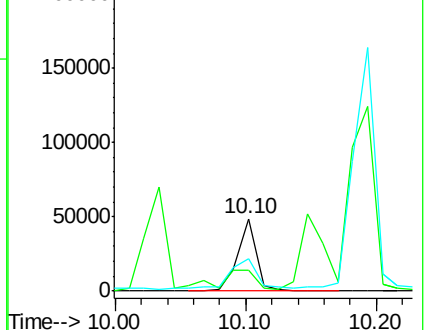
105 44.3 21.8 61.8

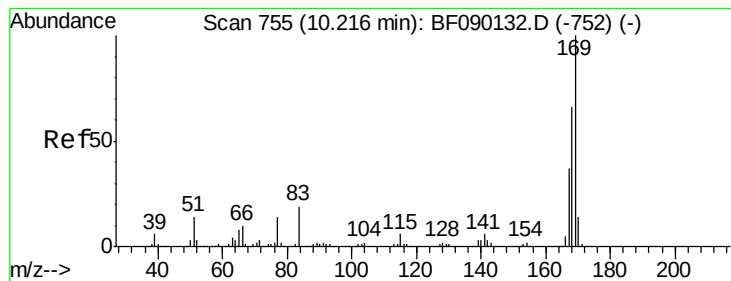


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#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

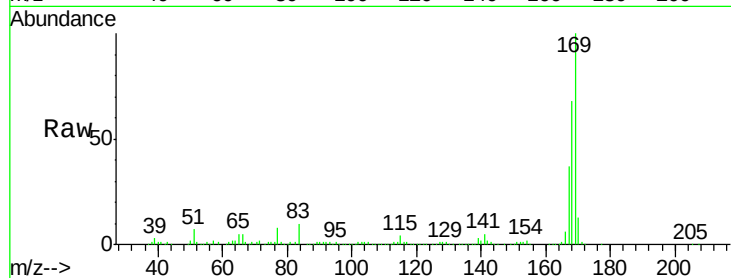
Tot Ion:169 Resp: 587401

Ion Ratio Lower Upper

169 100

168 67.7 54.2 81.4

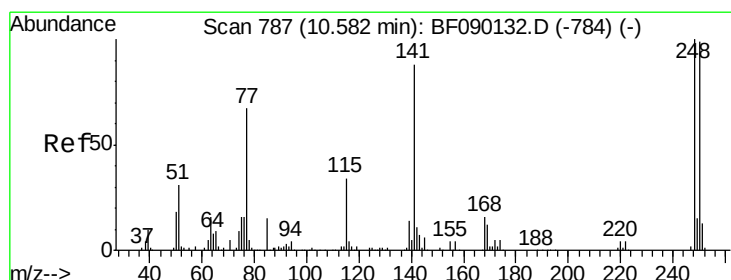
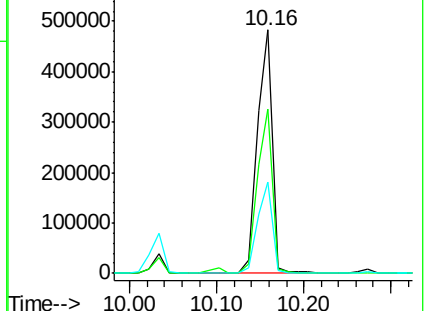
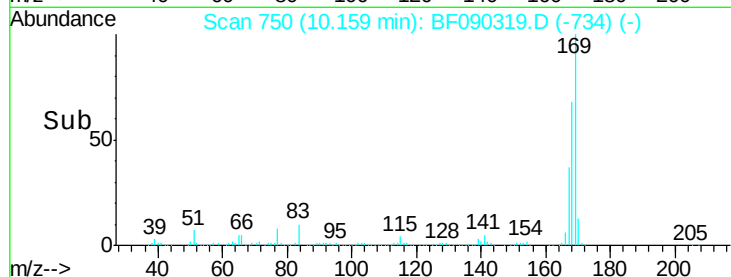
167 37.3 30.3 45.5



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

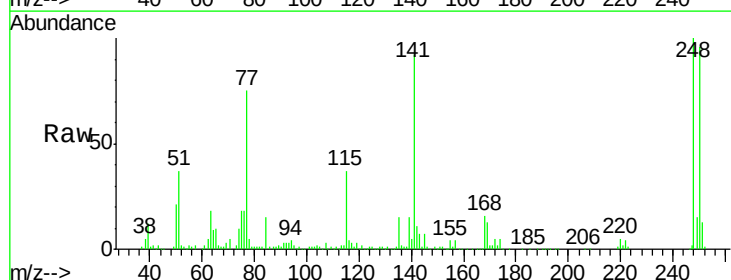
Tgt Ion:248 Resp: 156470

Ion Ratio Lower Upper

248 100

250 96.1 79.4 119.2

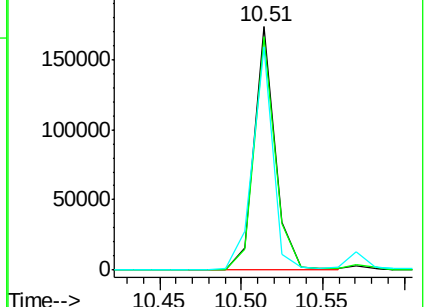
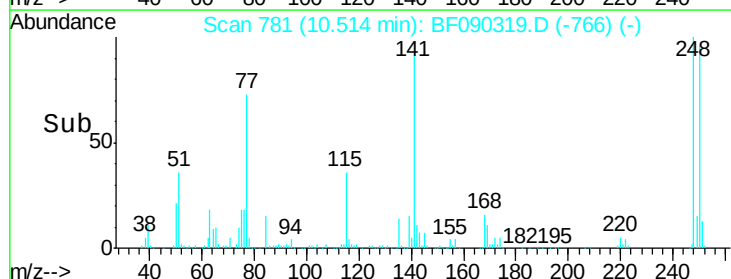
141 91.5 49.3 73.9#

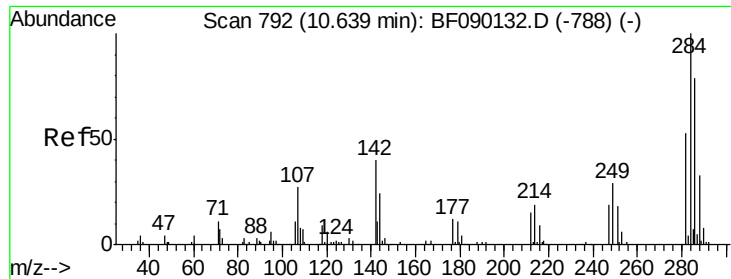


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

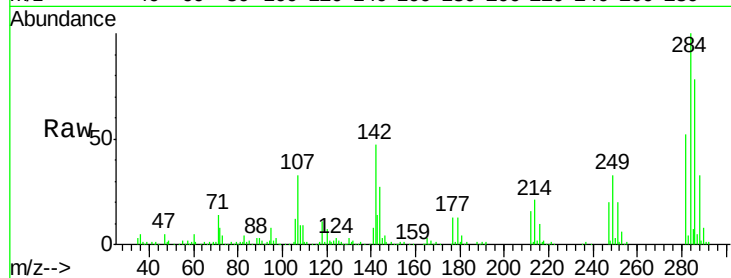




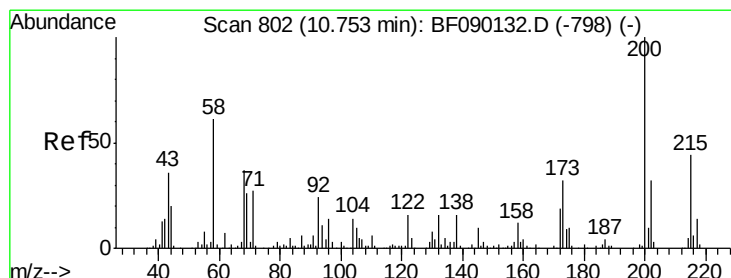
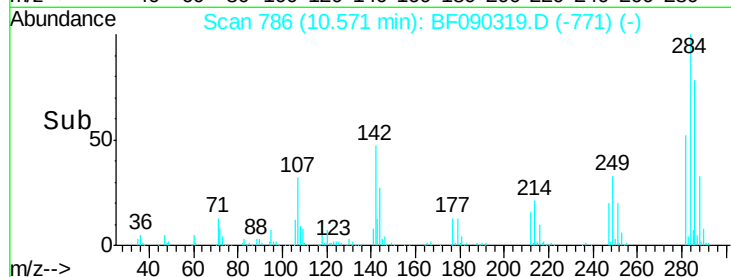
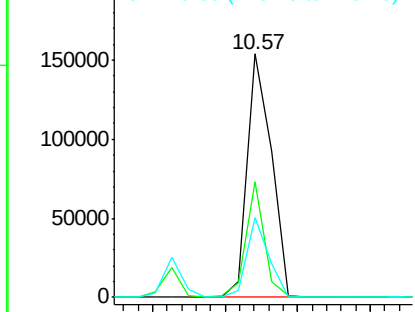
#67
Hexachlorobenzene
Concen: 47.51 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.03 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Instrument :
BNA_F
ClientSampleId :
PA-4MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	47.4	24.0	36.0
249	32.7	23.8	35.6

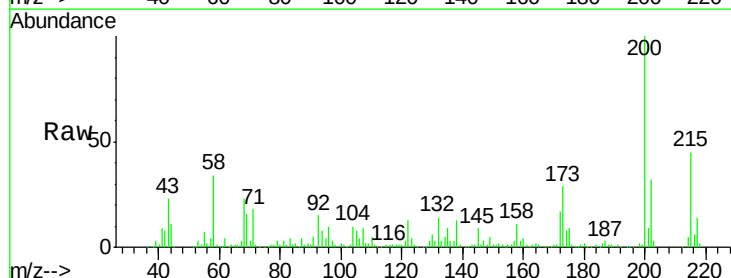


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

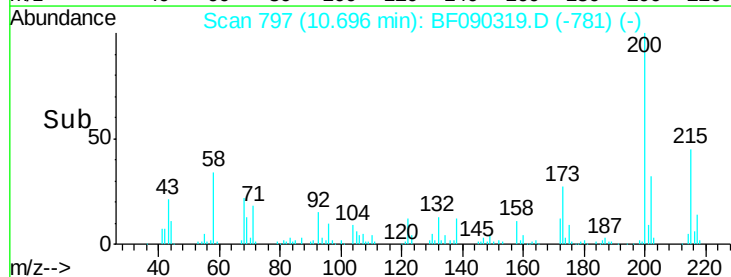
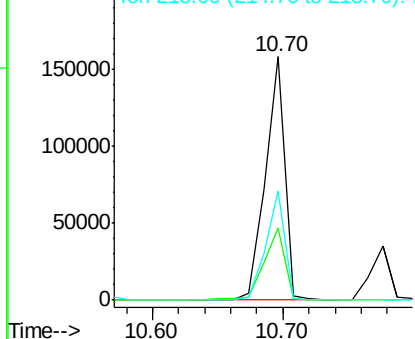


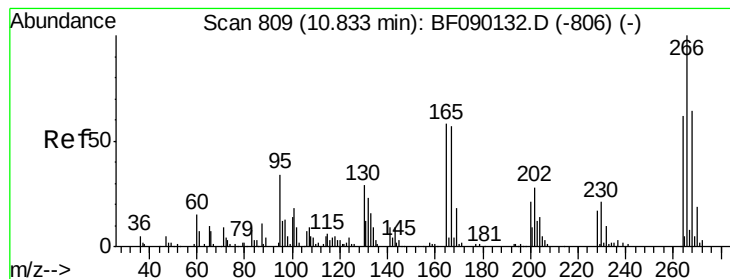
#68
Atrazine
Concen: 56.04 ng
RT: 10.70 min Scan# 797
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

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



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#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

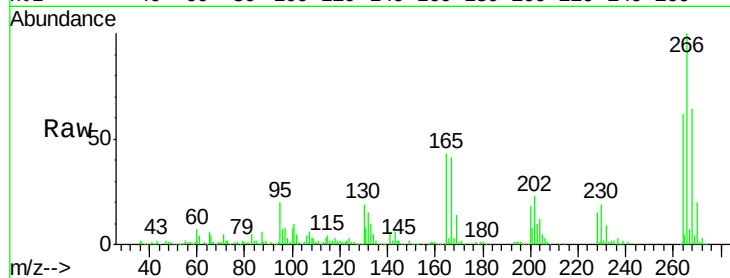
Tot Ion:266 Resp: 200897

Ion Ratio Lower Upper

266 100

268 64.2 52.1 78.1

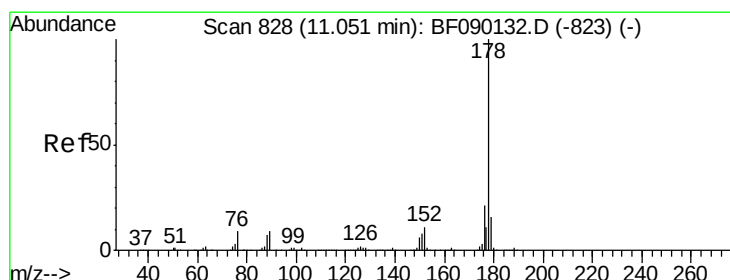
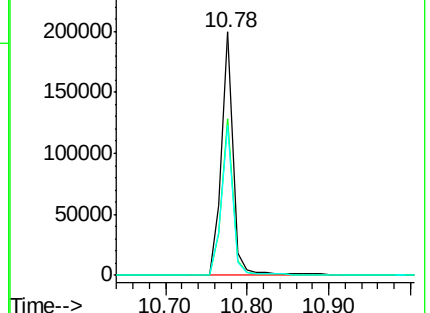
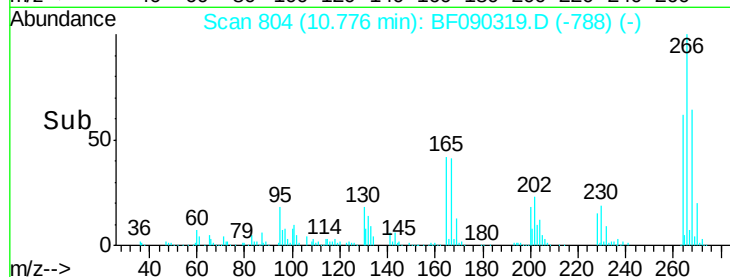
264 61.8 50.3 75.5



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

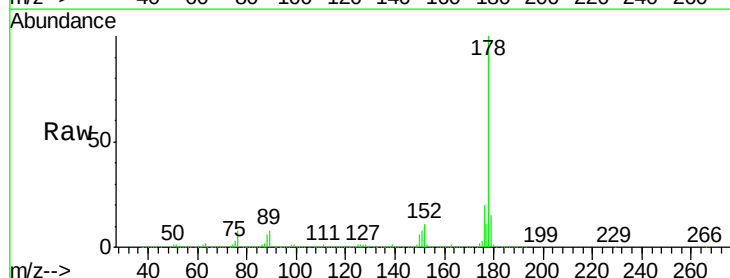
Tgt Ion:178 Resp: 870948

Ion Ratio Lower Upper

178 100

176 19.7 15.9 23.9

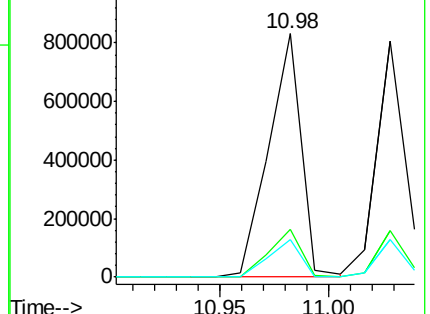
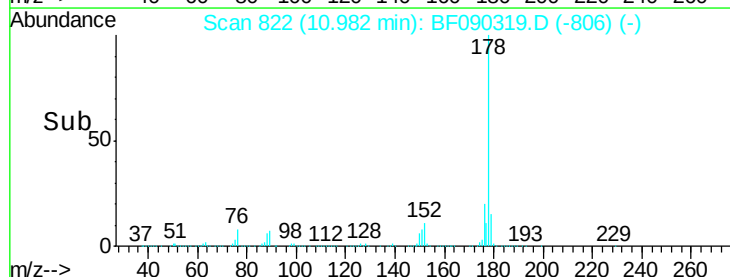
179 15.3 12.9 19.3

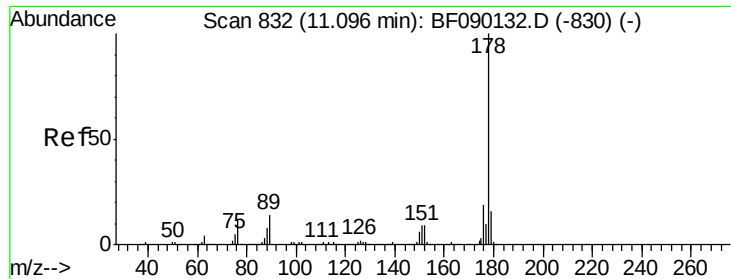


Abundance Ion 178.00 (177.70 to 178.70): E

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

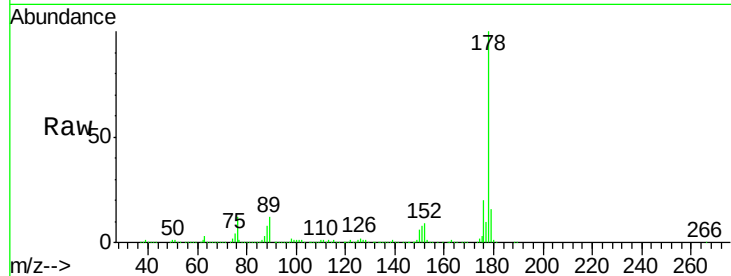
Tot Ion:178 Resp: 754769

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

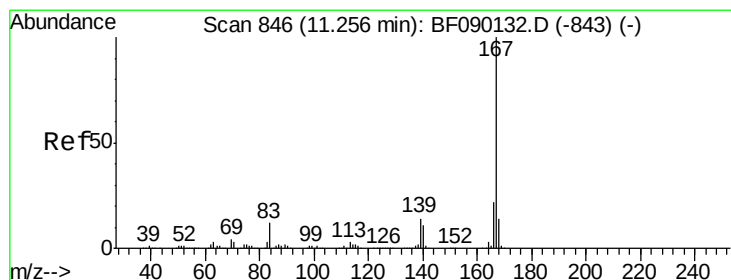
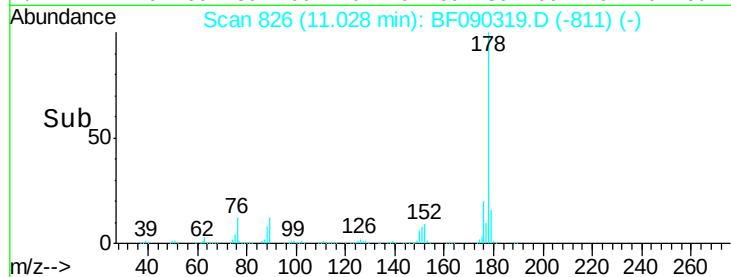
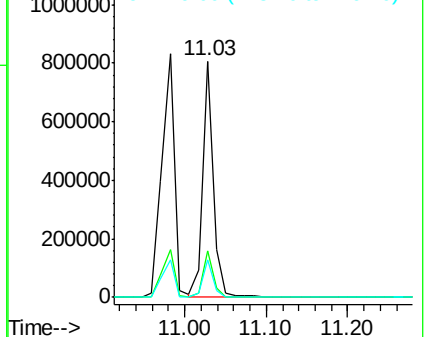
179 16.0 12.6 19.0



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



#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

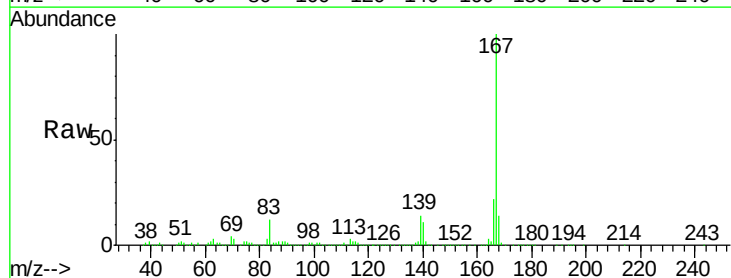
Tgt Ion:167 Resp: 741178

Ion Ratio Lower Upper

167 100

166 21.6 18.0 27.0

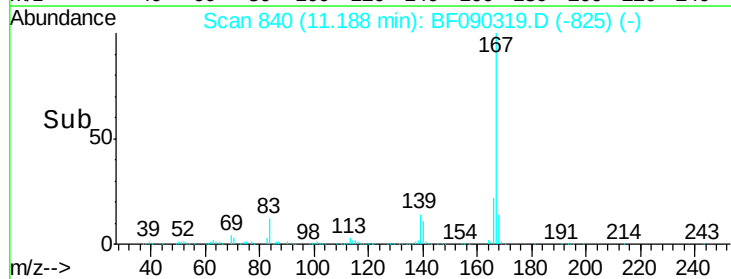
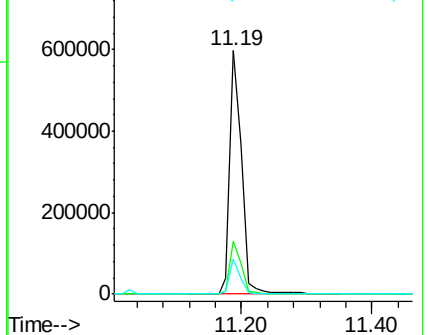
139 14.3 10.4 15.6

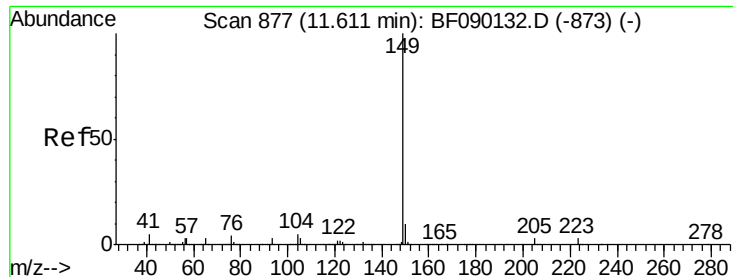


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#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

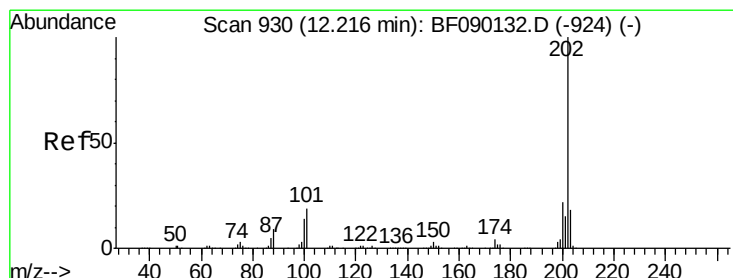
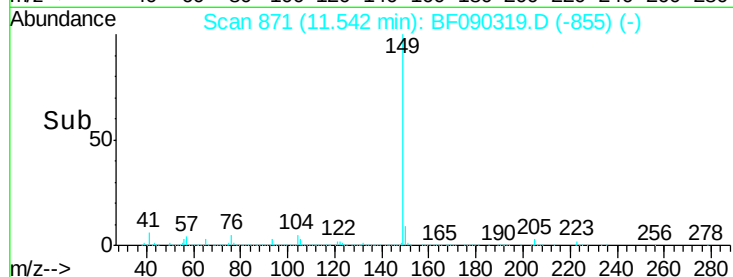
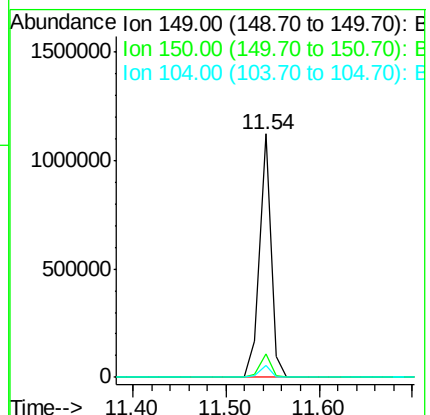
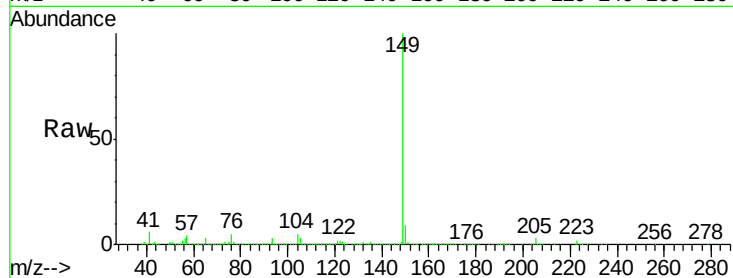
Tot Ion:149 Resp: 961144

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

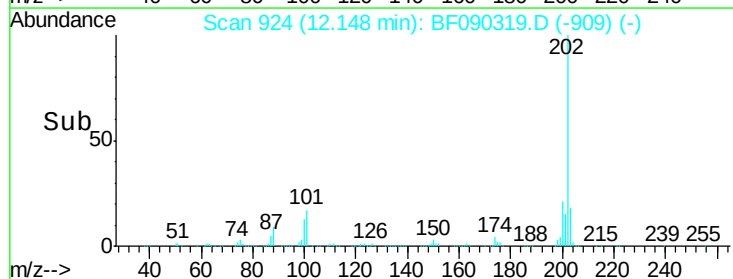
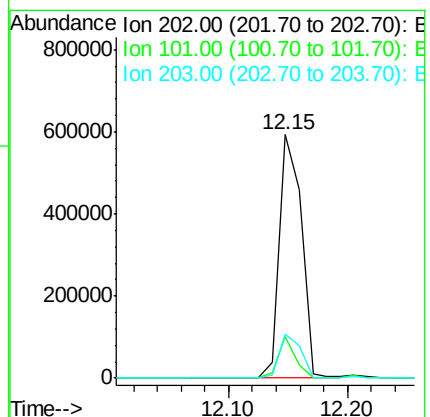
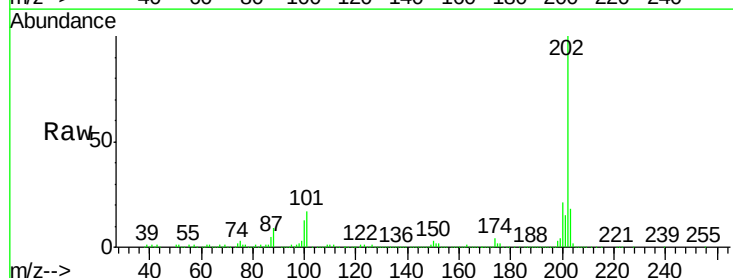
Tgt Ion:202 Resp: 764879

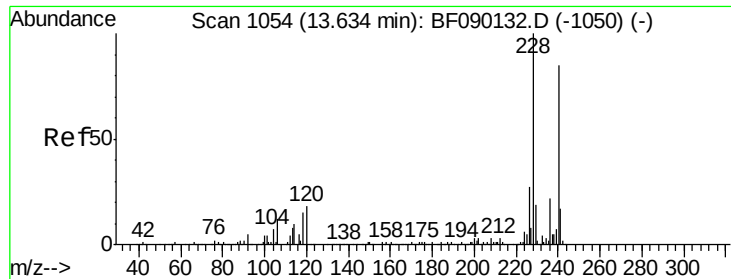
Ion Ratio Lower Upper

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

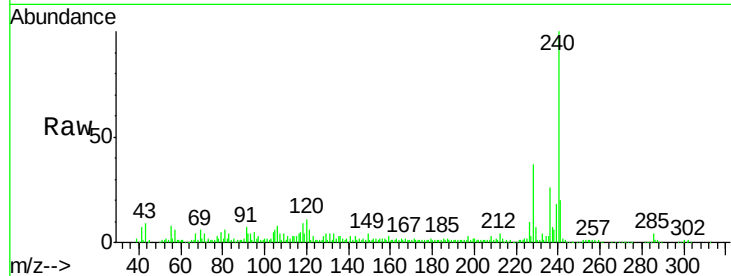
Tot Ion:240 Resp: 227827

Ion Ratio Lower Upper

240 100

120 11.2 10.6 16.0

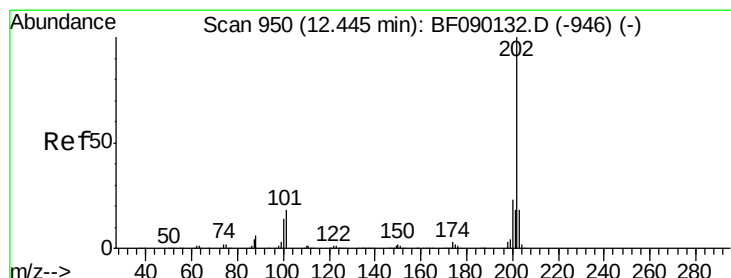
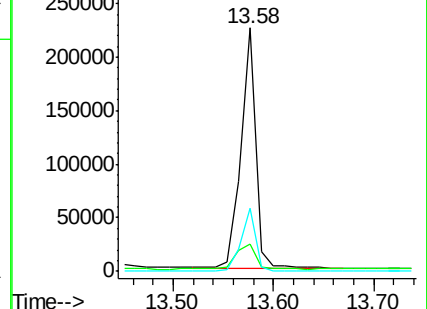
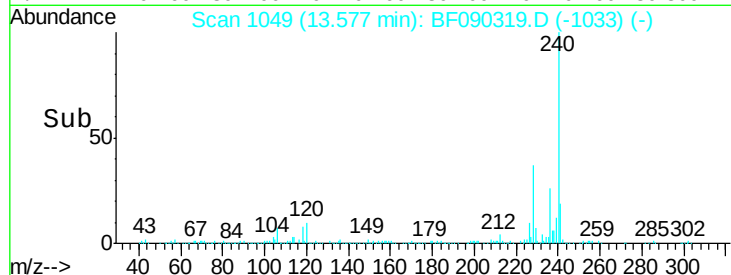
236 25.7 21.6 32.4



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



#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

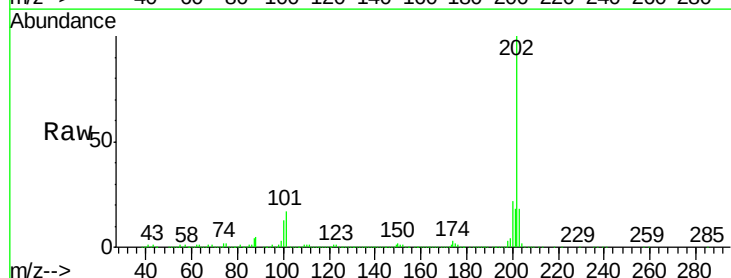
Tgt Ion:202 Resp: 735466

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

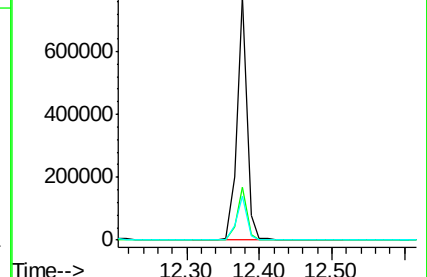
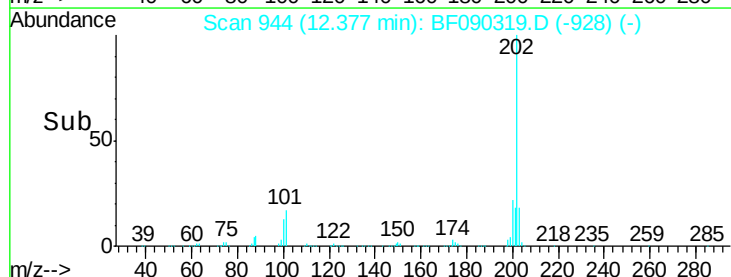
203 17.8 14.2 21.4

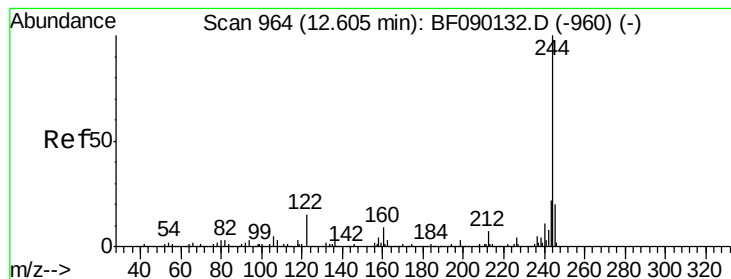


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#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

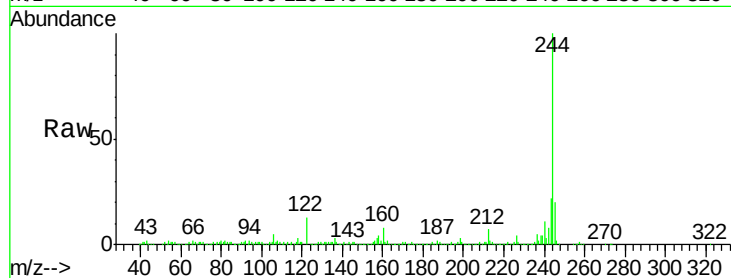
Tot Ion:244 Resp: 713315

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

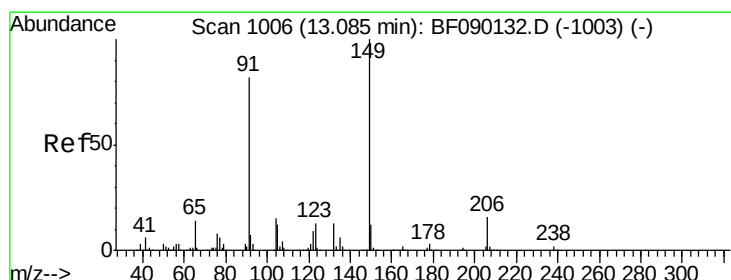
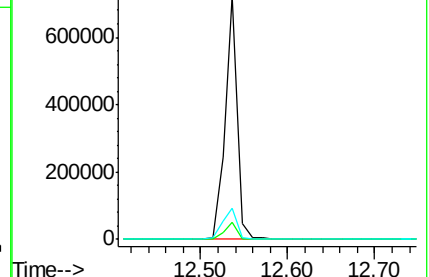
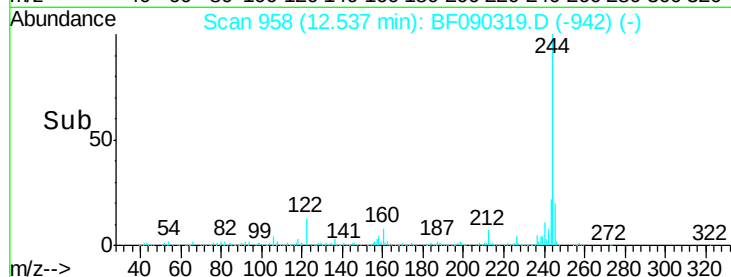
122 13.0 9.4 14.0



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

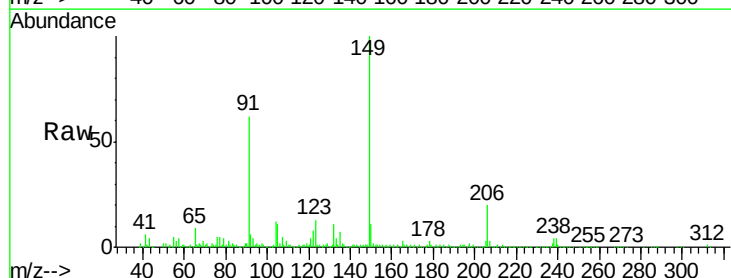
Tgt Ion:149 Resp: 376543

Ion Ratio Lower Upper

149 100

91 61.6 49.8 74.6

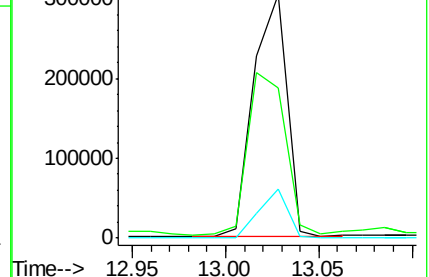
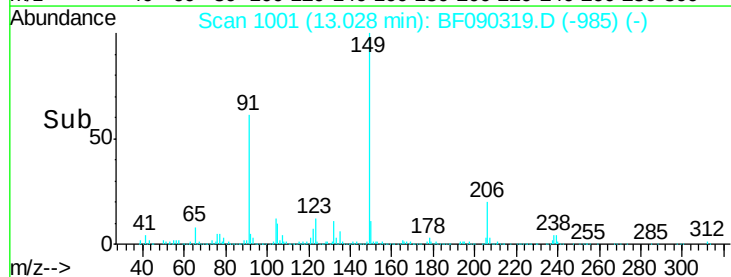
206 20.1 16.3 24.5

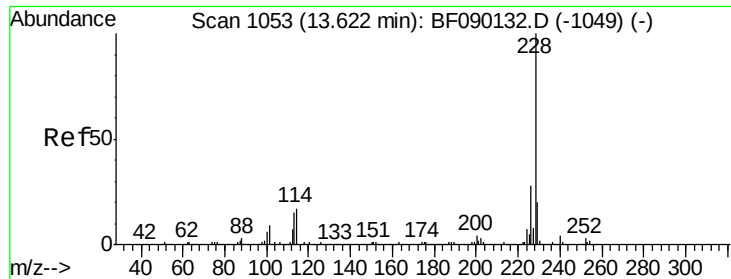


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 48.30 ng/mL

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

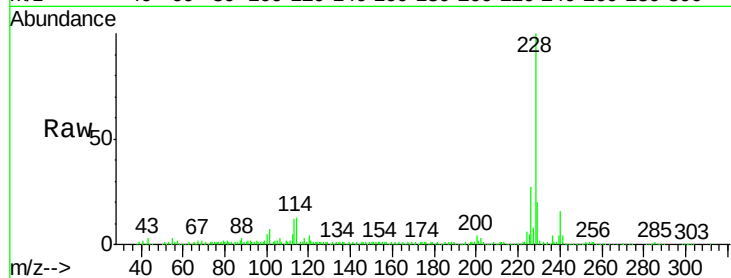
Tot Ion:228 Resp: 592068

Ion Ratio Lower Upper

228 100

226 27.4 22.0 33.0

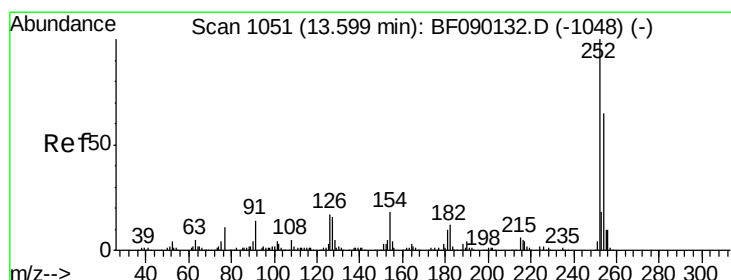
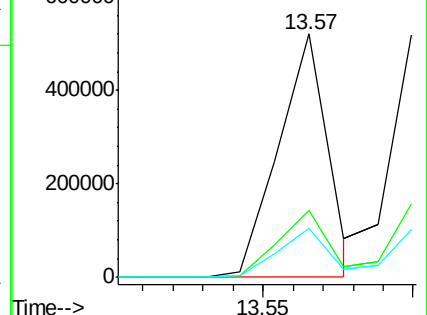
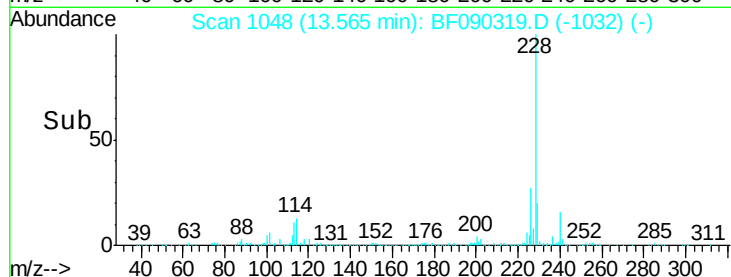
229 20.1 16.2 24.2



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/mL

RT: 13.54 min Scan# 1046

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

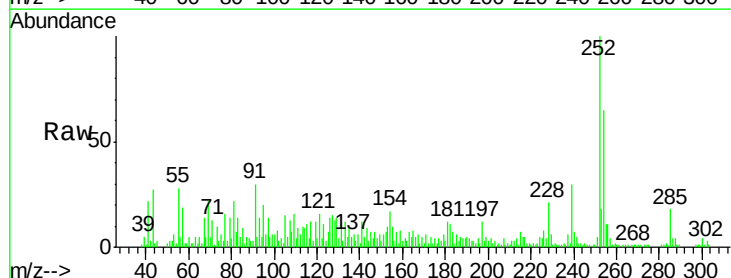
Tgt Ion:252 Resp: 69766

Ion Ratio Lower Upper

252 100

254 64.6 50.7 76.1

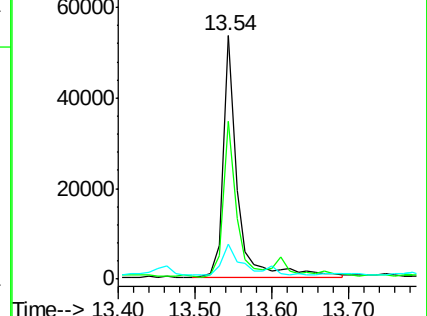
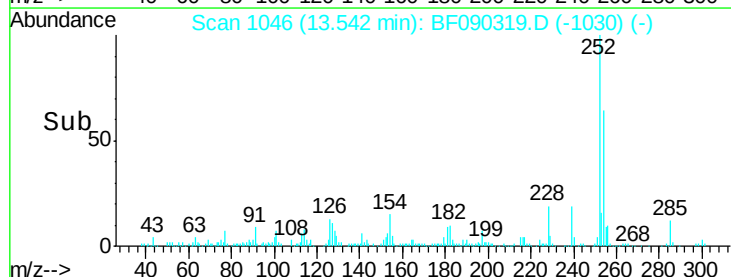
126 14.3 9.2 13.8#

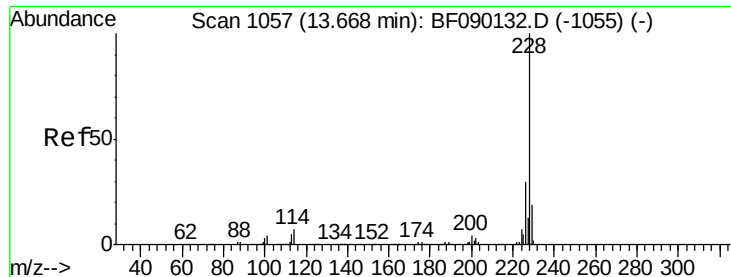


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 41.89 ng/mL

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Instrument :

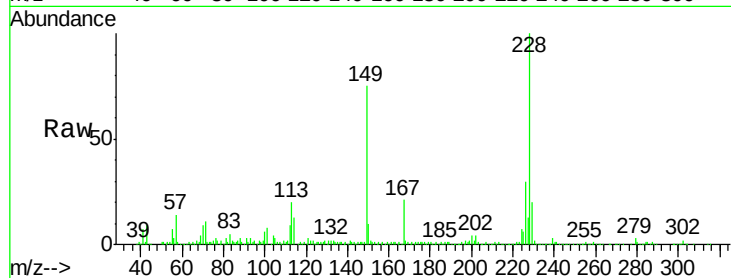
BNA_F

ClientSampleId :

PA-4MSD

Tot Ion: 228 Resp: 500132

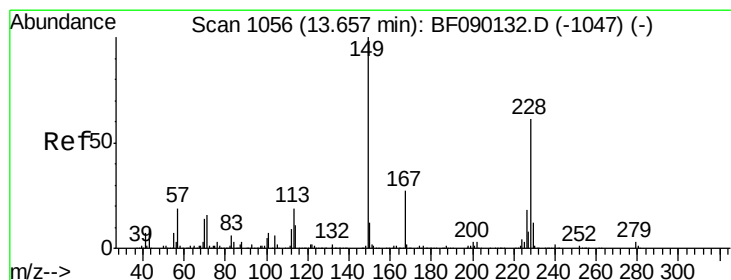
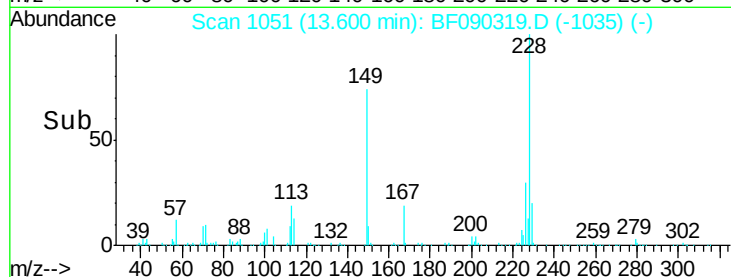
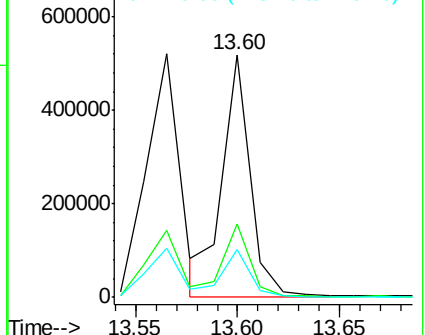
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	19.9	16.2	24.4



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/mL

RT: 13.60 min Scan# 1051

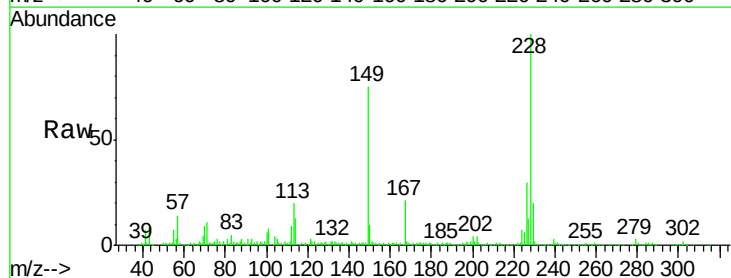
Delta R.T. -0.01 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

Tgt Ion: 149 Resp: 457996

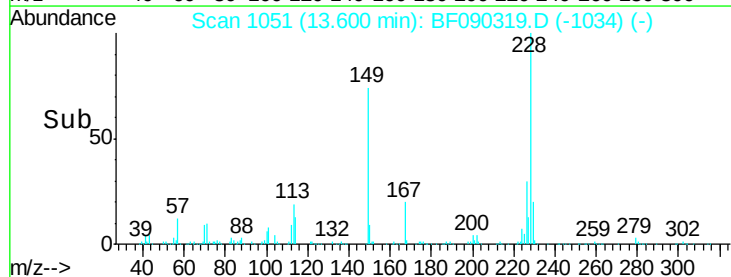
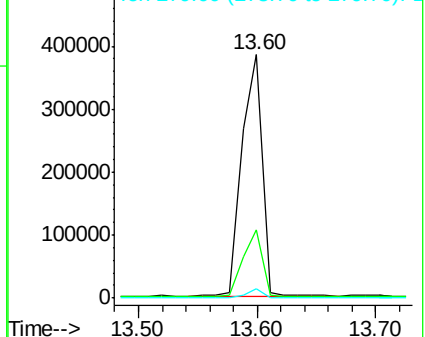
Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.2	31.8
279	4.1	2.2	3.2

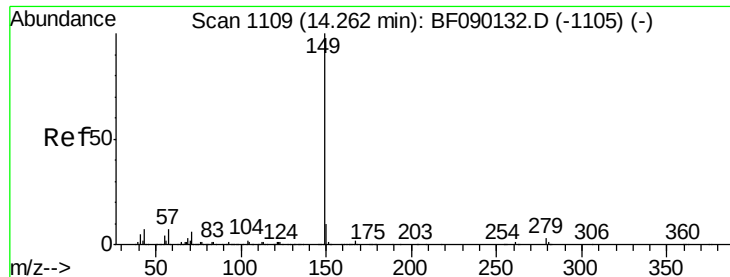


Abundance Ion 149.00 (148.70 to 149.70): E

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

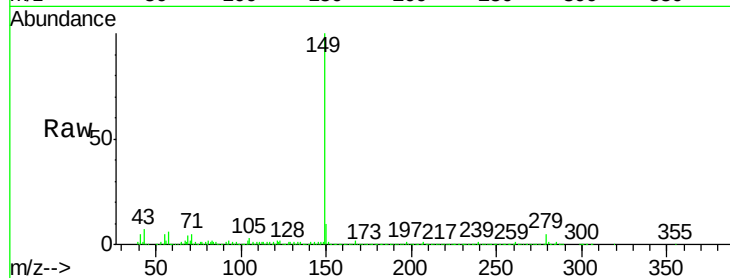
Tot Ion:149 Resp: 852046

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

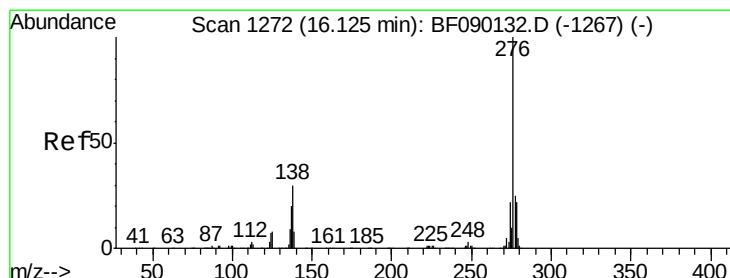
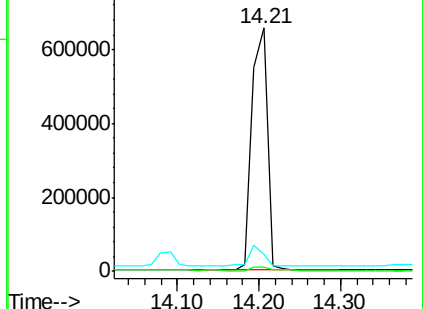
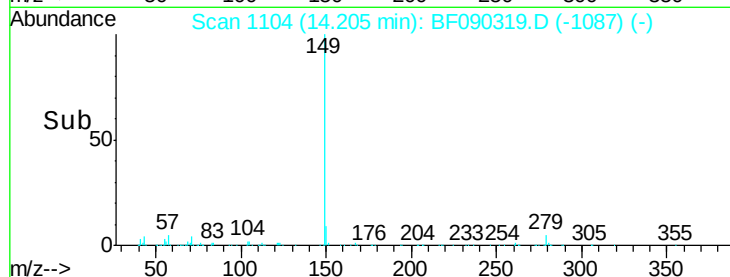
43 8.7 6.8 10.2



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

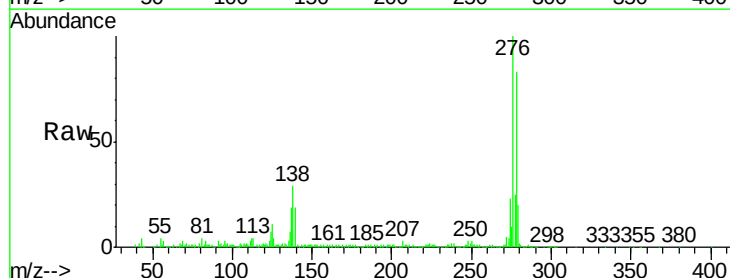
Tgt Ion:276 Resp: 533528

Ion Ratio Lower Upper

276 100

138 28.3 25.9 38.9

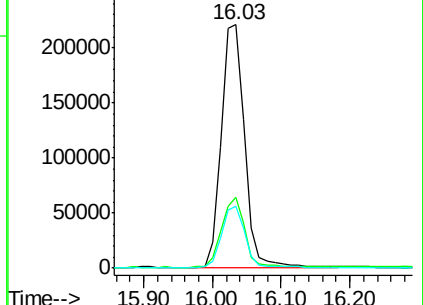
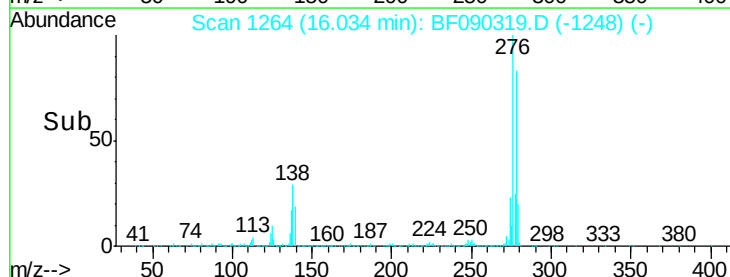
277 25.4 19.9 29.9

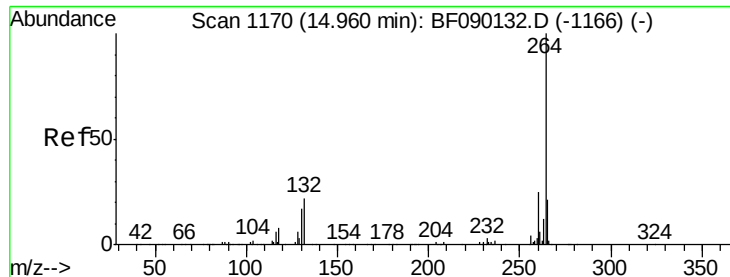


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

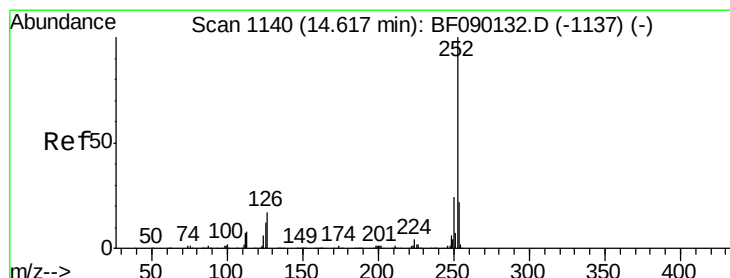
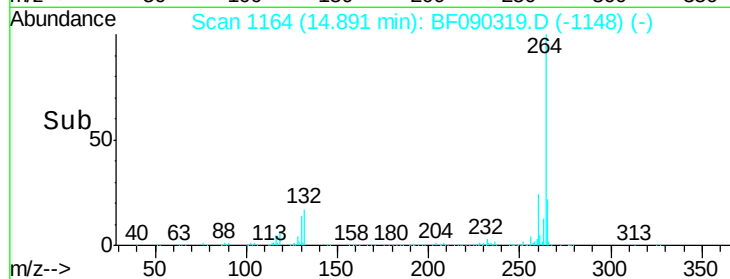
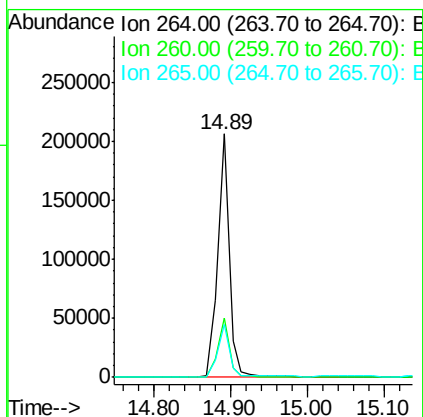
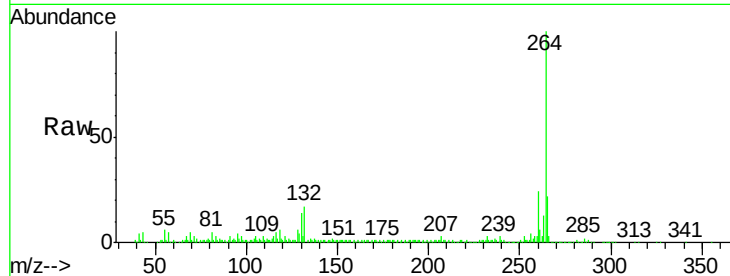




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

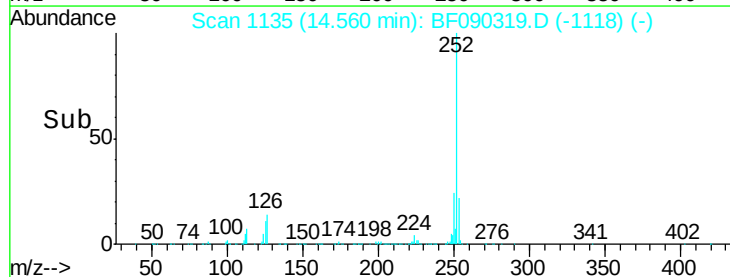
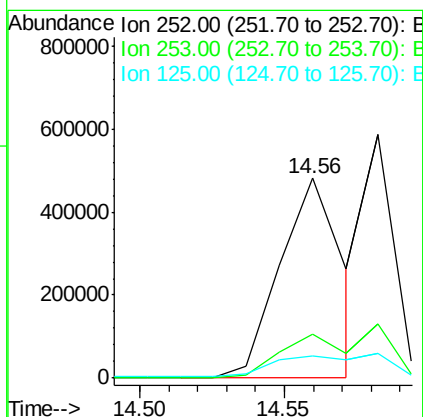
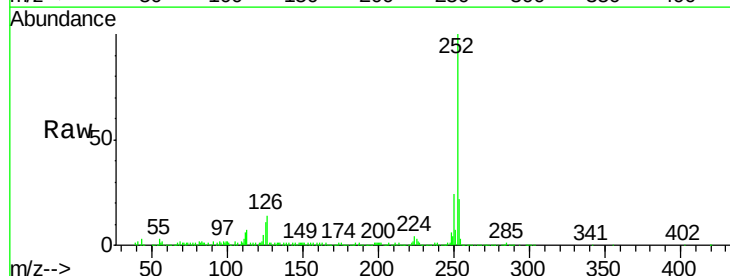
Instrument :
BNA_F
ClientSampled :
PA-4MSD

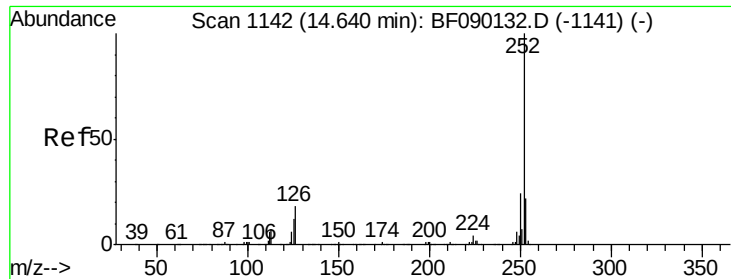
Tot Ion:264 Resp: 220381
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.0 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 58.65 ng m
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090319.D
Acq: 30 Sep 2016 18:33

Tgt Ion:252 Resp: 715793
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 11.3 12.7 19.1#





#88

Benzo(k)fluoranthene

Concen: 39.09 ng/mL

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

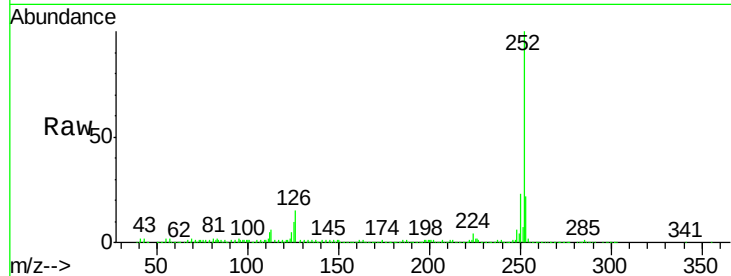
Tot Ion:252 Resp: 447677

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

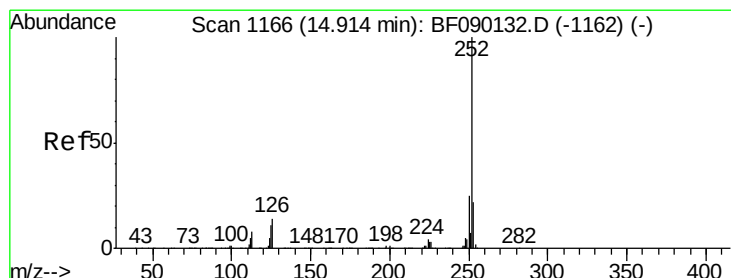
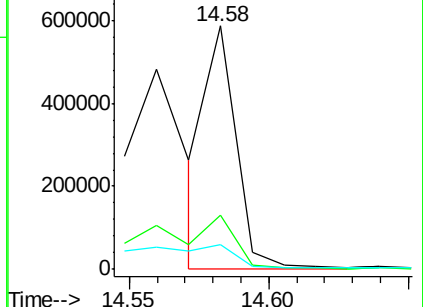
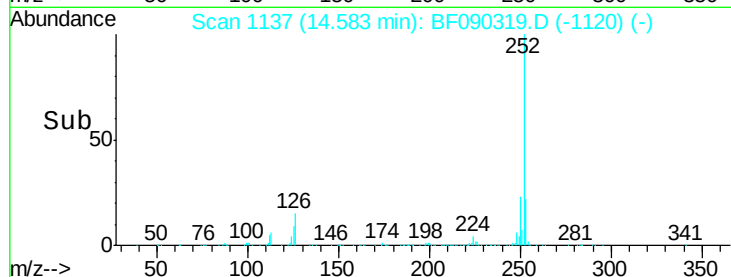
125 10.0 7.8 11.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 47.21 ng/mL

RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF090319.D

Acq: 30 Sep 2016 18:33

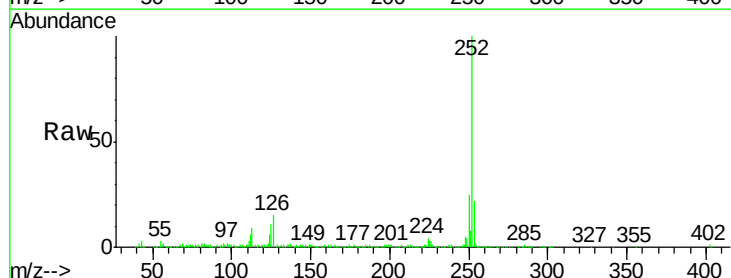
Tgt Ion:252 Resp: 541895

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

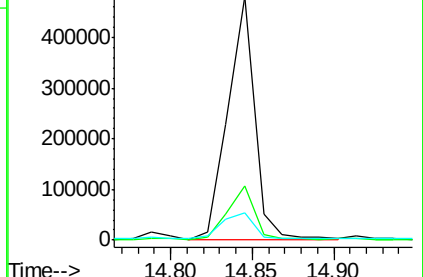
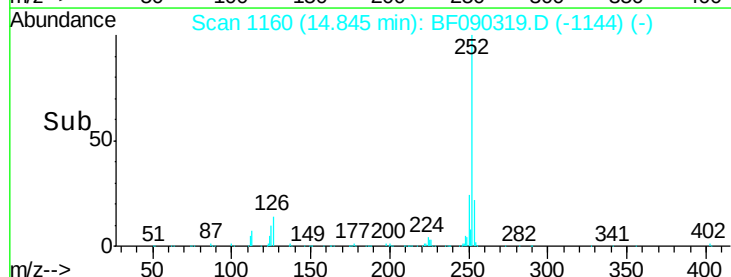
125 11.2 7.7 11.5

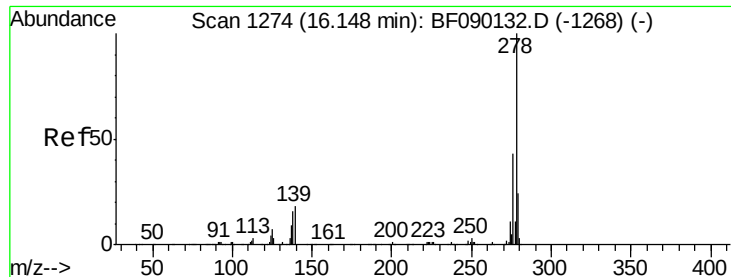


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#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

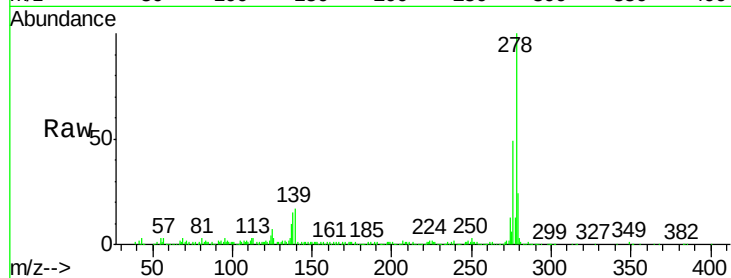
Tot Ion:278 Resp: 443129

Ion Ratio Lower Upper

278 100

139 16.8 14.6 21.8

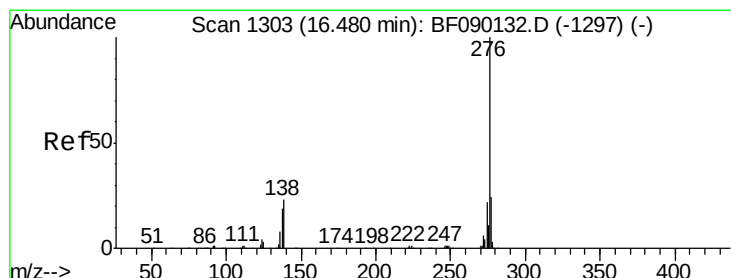
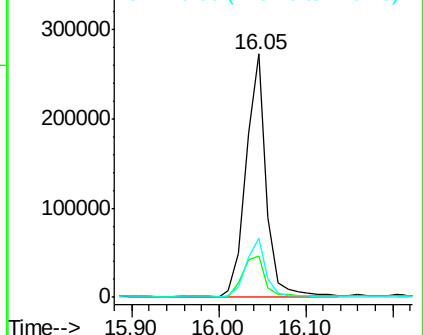
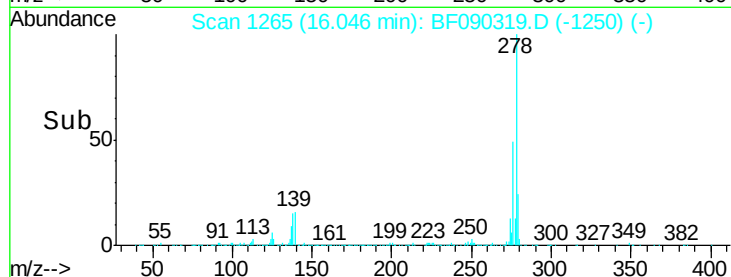
279 24.2 18.8 28.2



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

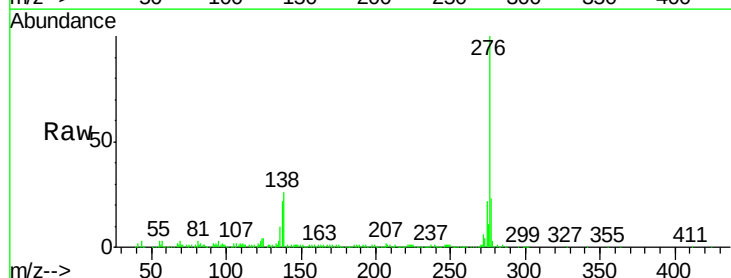
Tgt Ion:276 Resp: 436684

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

