

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
 Data File : BF082271.D
 Acq On : 13 Oct 2015 23:22
 Operator : UM/IZ
 Sample : G4005-02MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

Quant Time: Oct 14 01:23:14 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 01:15:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	74796	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	295384	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	147378	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	279884	20.00	ng	-0.01
75) Chrysene-d12	14.04	240	231357	20.00	ng	-0.10
86) Perylene-d12	15.53	264	206833	20.00	ng	-0.24

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	545757	147.26	ng	0.01
7) Phenol-d6	6.47	99	650309	134.84	ng	0.00
23) Nitrobenzene-d5	7.41	82	427987	97.30	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	189423	137.05	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	739485	83.21	ng	0.00
78) Terphenyl-d14	12.95	244	701346	80.33	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	64675	34.73	ng	97
3) Pyridine	3.14	79	160885	37.15	ng	99
4) n-Nitrosodimethylamine	3.11	42	76281	41.53	ng	98
6) Aniline	6.49	93	181888	29.25	ng	# 77
8) 2-Chlorophenol	6.62	128	189487	41.88	ng	97
9) Benzaldehyde	6.38	77	101902	41.38	ng	89
10) Phenol	6.48	94	223974	40.28	ng	92
11) bis(2-Chloroethyl)ether	6.57	93	203876	43.36	ng	96
12) 1,3-Dichlorobenzene	6.77	146	222703	42.27	ng	97
13) 1,4-Dichlorobenzene	6.85	146	229116	41.64	ng	98
14) 1,2-Dichlorobenzene	6.99	146	208928	39.99	ng	97
15) Benzyl Alcohol	6.97	79	152260	45.73	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	264906	40.46	ng	98
17) 2-Methylphenol	7.10	107	161031	45.01	ng	98
18) Hexachloroethane	7.34	117	74085	39.34	ng	93
19) n-Nitroso-di-n-propylamine	7.25	70	126236	37.27	ng	# 87
20) 3+4-Methylphenols	7.25	107	193398	45.36	ng	99
22) Acetophenone	7.25	105	269857	46.18	ng	97
24) Nitrobenzene	7.42	77	197784	41.54	ng	98
25) Isophorone	7.66	82	372333	41.94	ng	98
26) 2-Nitrophenol	7.74	139	113544	47.76	ng	98
27) 2,4-Dimethylphenol	7.77	122	173257	45.24	ng	100
28) bis(2-Chloroethoxy)methane	7.87	93	238132	46.10	ng	99
29) 2,4-Dichlorophenol	7.98	162	185884	48.55	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	186102	42.17	ng	98
31) Naphthalene	8.14	128	559086	43.66	ng	100
32) Benzoic acid	7.85	122	14377	5.59	ng	95
33) 4-Chloroaniline	8.19	127	98345	18.49	ng	99
34) Hexachlorobutadiene	8.25	225	108411	39.42	ng	99
35) Caprolactam	8.56	113	51966	46.77	ng	# 78
36) 4-Chloro-3-methylphenol	8.69	107	189445	50.60	ng	91
37) 2-Methylnaphthalene	8.83	142	401208	45.20	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	176186	40.19	ng	98
40) Hexachlorocyclopentadiene	8.98	237	92049	45.50	ng	99

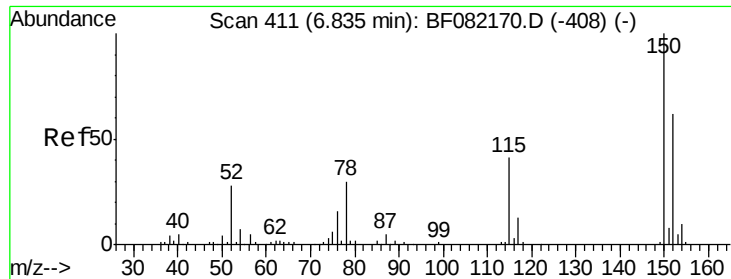
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101415\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.11	196	119604	41.08	nq	100
43) 2,4,5-Trichlorophenol	9.15	196	145704	46.20	nq	# 93
45) 1,1'-Biphenyl	9.30	154	448840	39.94	nq	94
46) 2-Chloronaphthalene	9.33	162	380738	43.04	nq	99
47) 2-Nitroaniline	9.43	65	117311	48.30	nq	# 68
48) Acenaphthylene	9.74	152	604430	43.86	nq	100
49) Dimethylphthalate	9.60	163	567358	54.67	nq	100
50) 2,6-Dinitrotoluene	9.67	165	98295	44.89	nq	89
51) Acenaphthene	9.91	154	360280	43.55	nq	99
52) 3-Nitroaniline	9.84	138	67753	27.39	nq	95
53) 2,4-Dinitrophenol	9.94	184	25830	25.82	nq	# 82
54) Dibenzofuran	10.08	168	507520	44.68	nq	98
55) 4-Nitrophenol	10.01	139	155502	87.59	nq	99
56) 2,4-Dinitrotoluene	10.07	165	118124	43.16	nq	89
57) Fluorene	10.42	166	399086	42.78	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	114024	44.25	nq	95
59) Diethylphthalate	10.30	149	400931	41.45	nq	97
60) 4-Chlorophenyl-phenylether	10.42	204	177730	41.59	nq	# 78
61) 4-Nitroaniline	10.46	138	98647	41.12	nq	96
62) Azobenzene	10.57	77	394889	41.71	nq	97
64) 4,6-Dinitro-2-methylphenol	10.48	198	27675	17.62	nq	92
65) n-Nitrosodiphenylamine	10.54	169	336095	40.11	nq	100
66) 4-Bromophenyl-phenylether	10.90	248	109467	39.08	nq	# 86
67) Hexachlorobenzene	10.97	284	126622	41.80	nq	# 85
68) Atrazine	11.07	200	119988	45.20	nq	95
69) Pentachlorophenol	11.17	266	137316	88.09	nq	96
70) Phenanthrene	11.39	178	804656	58.65	nq	99
71) Anthracene	11.44	178	640955	45.34	nq	100
72) Carbazole	11.60	167	578050	44.82	nq	98
73) Di-n-butylphthalate	11.93	149	660225	41.50	nq	99
74) Fluoranthene	12.58	202	898555	60.98	nq	98
76) Benzidine	12.71	184	155033	23.12	nq	97
77) Pyrene	12.81	202	880210	64.11	nq	100
79) Butylbenzylphthalate	13.44	149	255705	40.81	nq	# 82
80) Benzo(a)anthracene	14.02	228	642452	53.37	nq	98
81) 3,3'-Dichlorobenzidine	13.99	252	143854	31.48	nq	99
82) Chrysene	14.06	228	576278	45.43	nq	100
83) Bis(2-ethylhexyl)phthalate	14.01	149	334606	37.43	nq	98
84) Di-n-octyl phthalate	14.68	149	524377	34.16	nq	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	494730	49.07	nq	100
87) Benzo(b)fluoranthene	15.14	252	1083808	86.13	nq	# 98
88) Benzo(k)fluoranthene	15.14	252	1083808	102.47	nq	100
89) Benzo(a)pyrene	15.48	252	531939	49.19	nq	98
90) Dibenzo(a,h)anthracene	16.98	278	383032	43.22	nq	98
91) Benzo(g,h,i)perylene	17.40	276	418301	48.59	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

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ClientSampleId :

UST-3MS

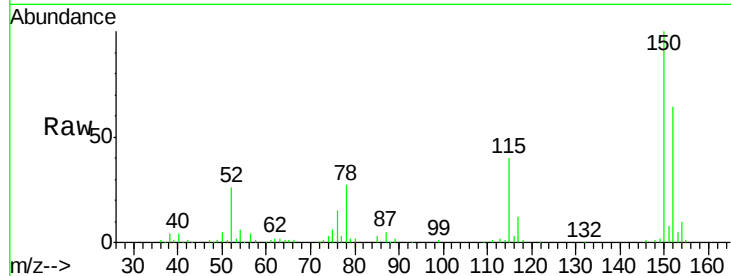
Tot Ion:152 Resp: 74796

Ion Ratio Lower Upper

152 100

150 157.1 129.0 193.4

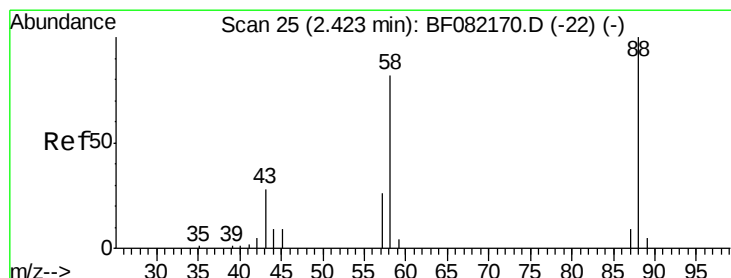
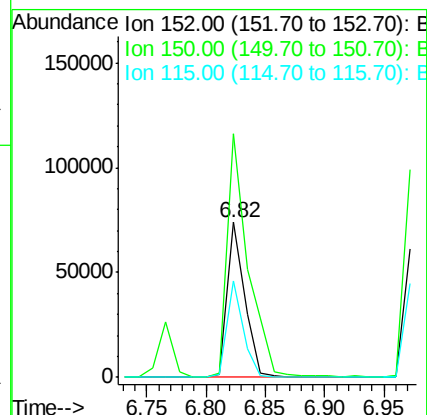
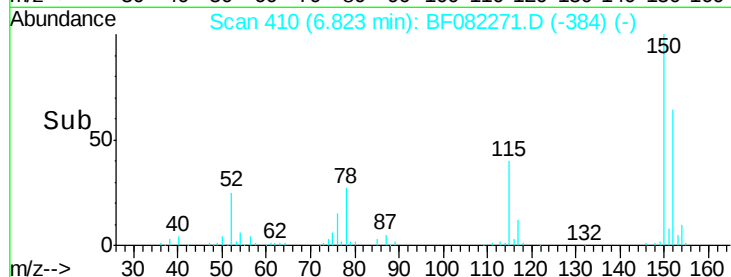
115 62.4 52.1 78.1



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: 34.73 ng

RT: 2.43 min Scan# 26

Delta R.T. 0.06 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

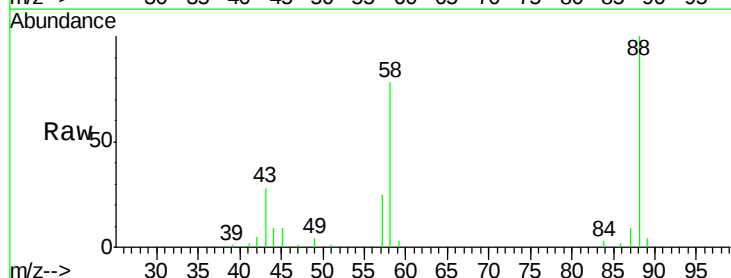
Tgt Ion: 88 Resp: 64675

Ion Ratio Lower Upper

88 100

58 84.5 66.2 99.4

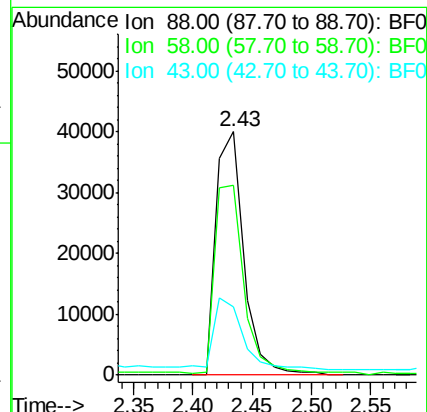
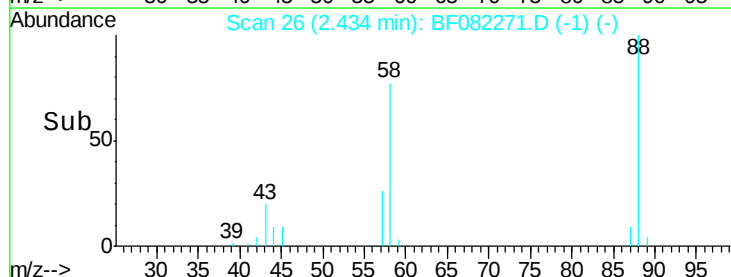
43 32.6 23.0 34.4

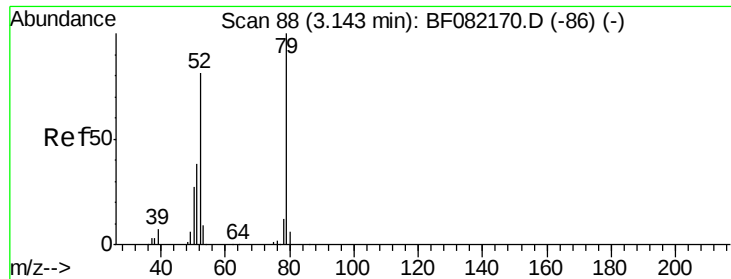


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

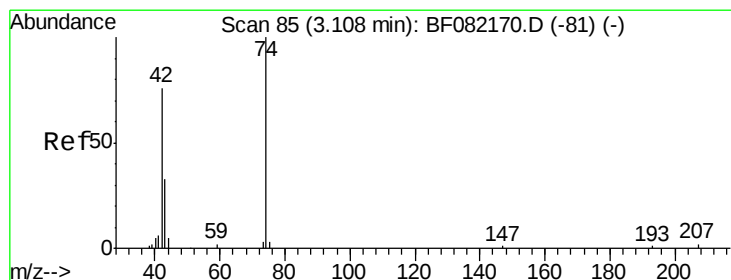
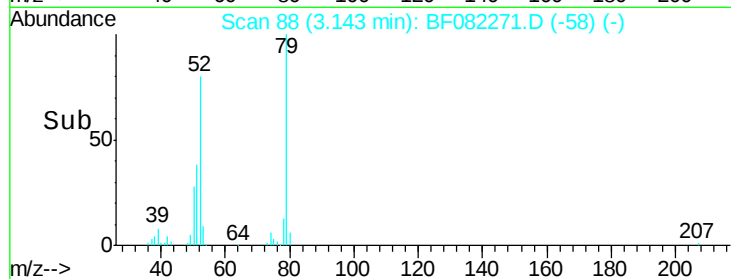
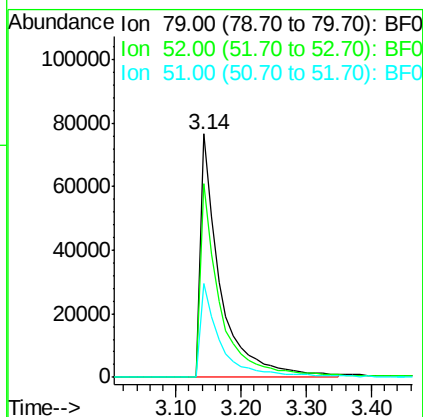
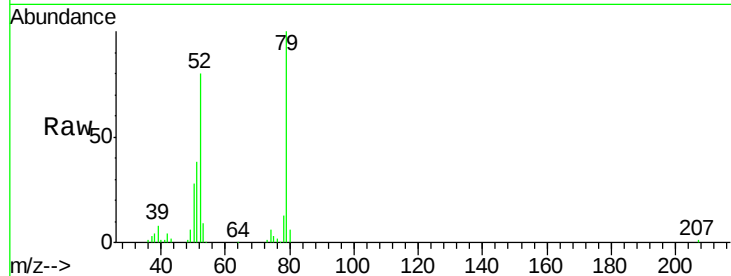




#3
 Pvridine
 Concen: 37.15 ng
 RT: 3.14 min Scan# 88
 Delta R.T. 0.05 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

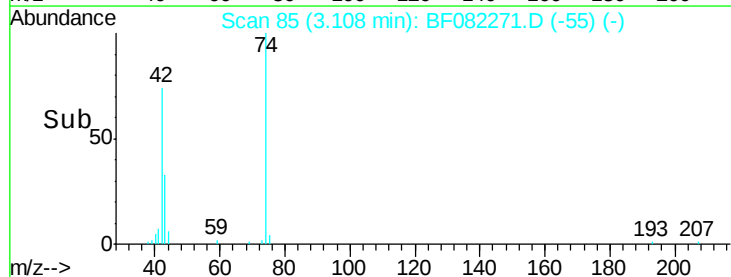
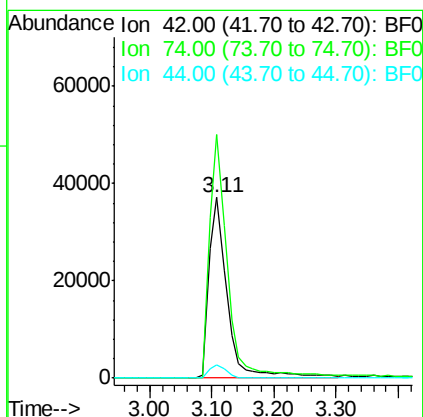
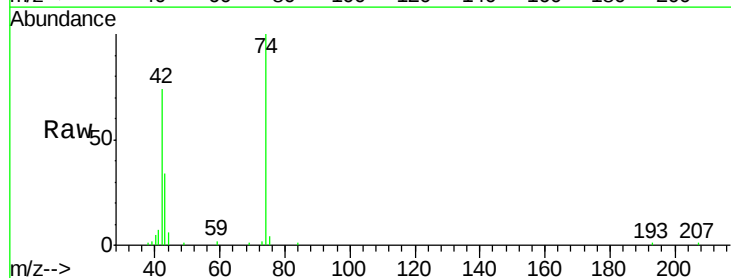
Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

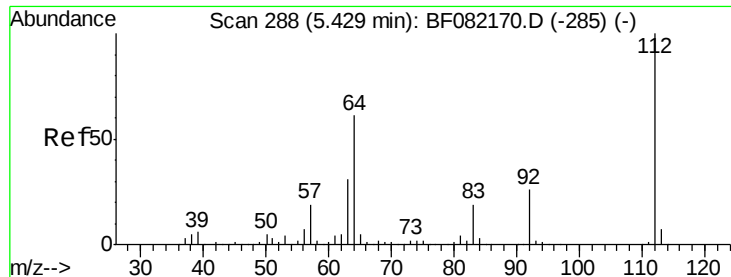
Tot Ion	Ion	Ratio	Lower	Upper
79	79	100		
52	52	79.8	64.4	96.6
51	51	38.3	30.5	45.7



#4
 n-Nitrosodimethylamine
 Concen: 41.53 ng
 RT: 3.11 min Scan# 85
 Delta R.T. 0.05 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion	Ion	Ratio	Lower	Upper
42	42	100		
74	74	135.0	105.7	158.5
44	44	7.6	5.4	8.2





#5

2-Fluorophenol

Concen: 147.26 ng

RT: 5.43 min Scan# 288

Delta R.T. 0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

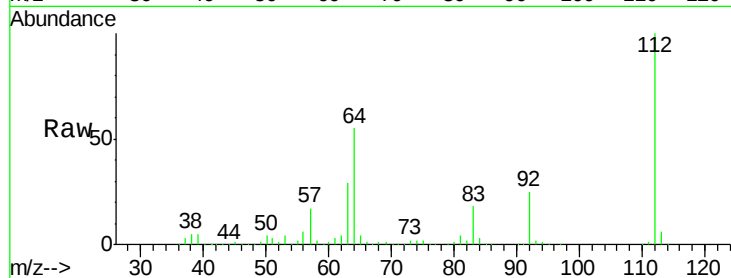
Tot Ion: 112 Resp: 545757

Ion Ratio Lower Upper

112 100

64 55.4 48.6 73.0

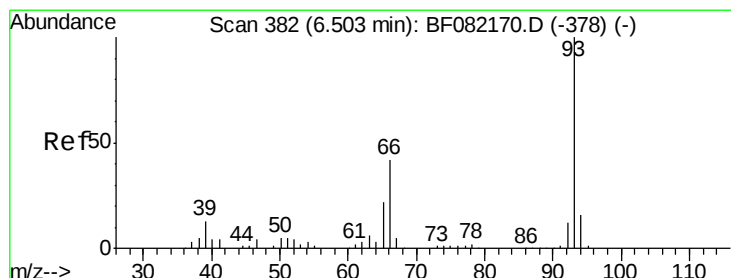
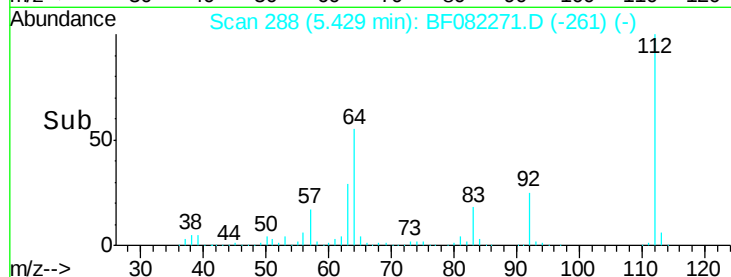
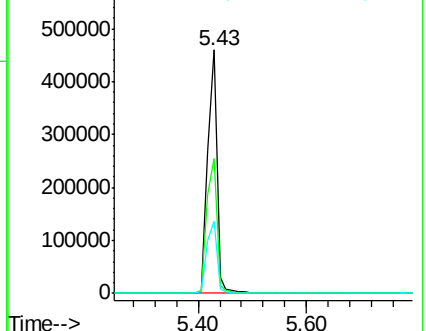
63 29.5 25.1 37.7



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



#6

Aniline

Concen: 29.25 ng

RT: 6.49 min Scan# 381

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

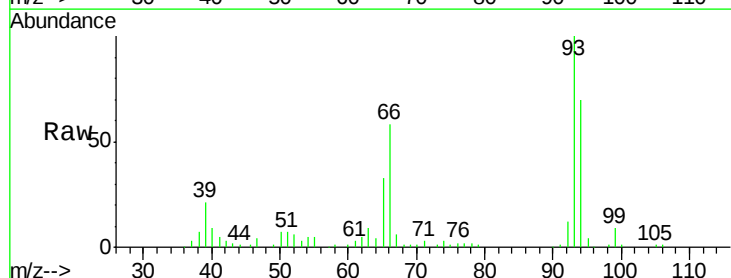
Tgt Ion: 93 Resp: 181888

Ion Ratio Lower Upper

93 100

66 57.8 34.2 51.2#

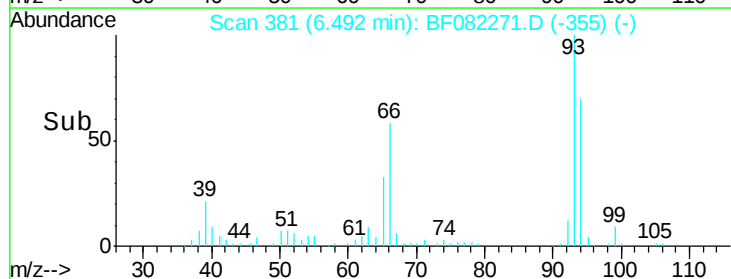
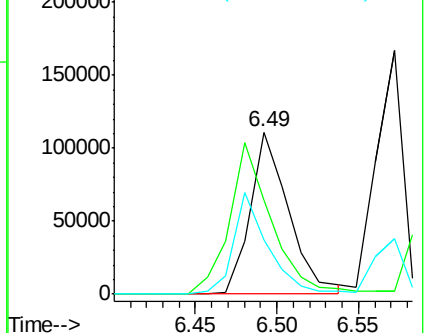
65 33.4 17.9 26.9#

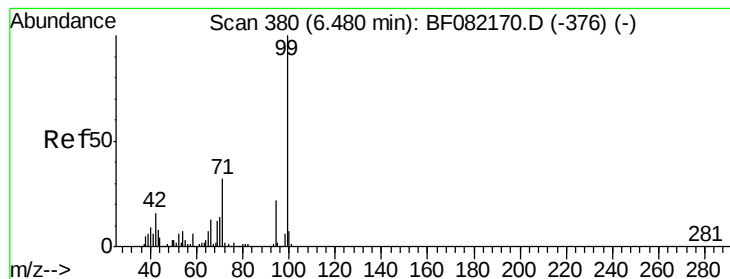


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 134.84 ng

RT: 6.47 min Scan# 379

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

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BNA_F

ClientSampleId :

UST-3MS

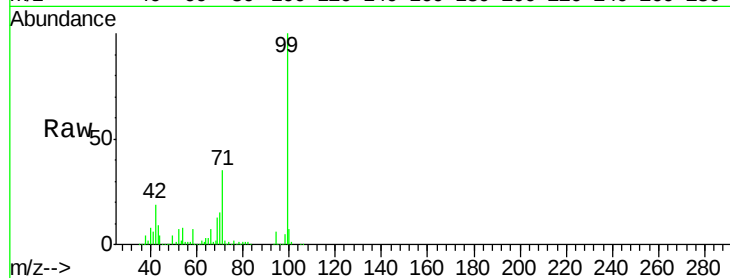
Tot Ion: 99 Resp: 650309

Ion Ratio Lower Upper

99 100

42 18.6 13.2 19.8

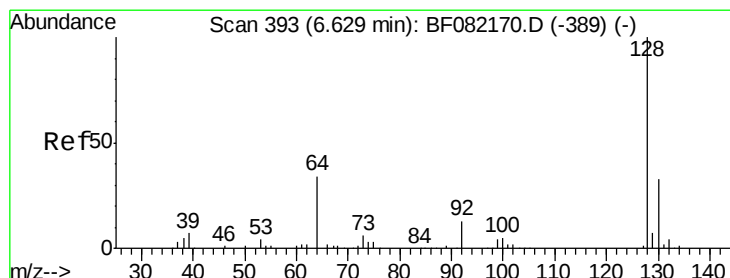
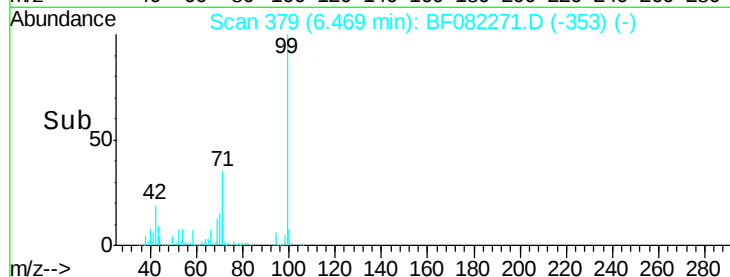
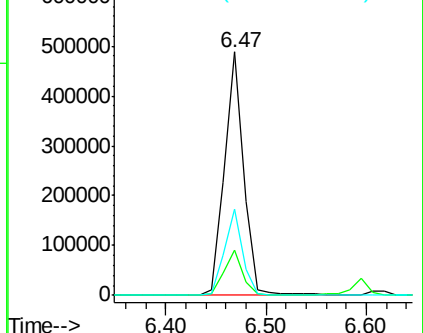
71 35.2 25.6 38.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 41.88 ng

RT: 6.62 min Scan# 392

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

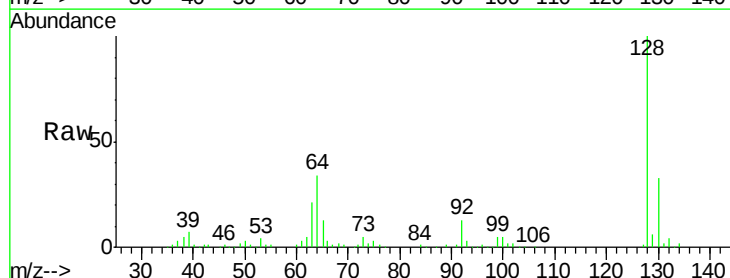
Tgt Ion: 128 Resp: 189487

Ion Ratio Lower Upper

128 100

130 33.3 12.6 52.6

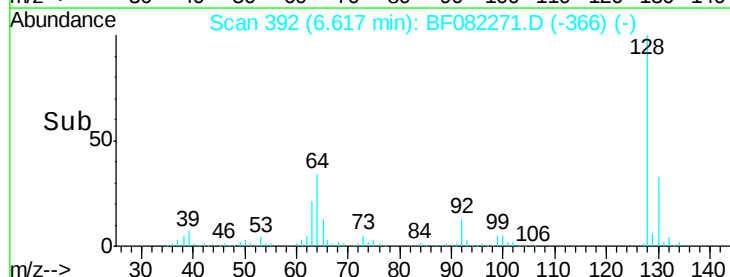
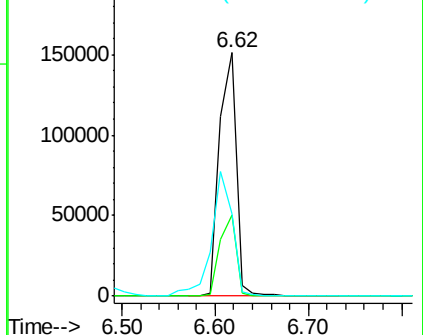
64 34.0 16.7 56.7

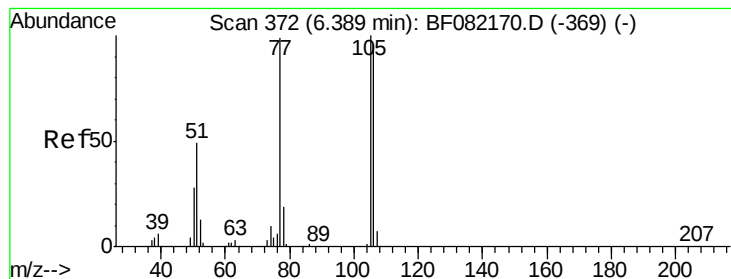


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 41.38 ng

RT: 6.38 min Scan# 371

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

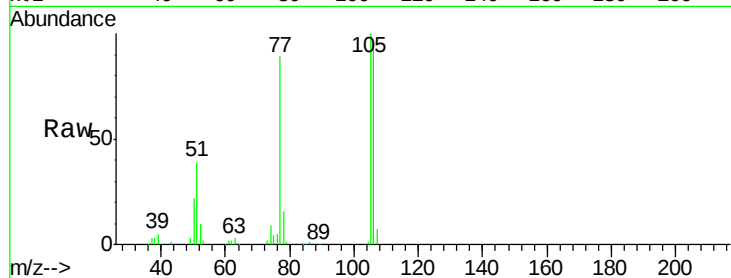
Tot Ion: 77 Resp: 101902

Ion Ratio Lower Upper

77 100

105 112.1 80.6 120.6

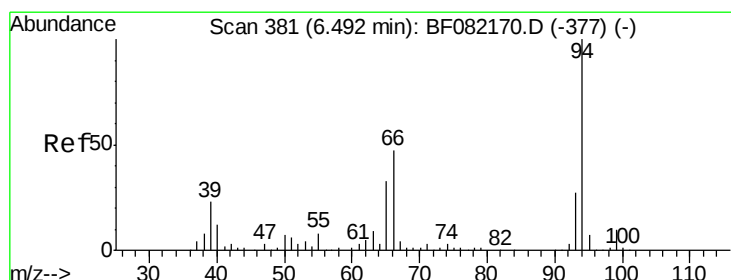
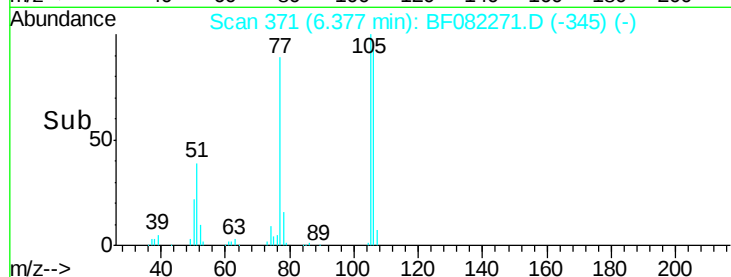
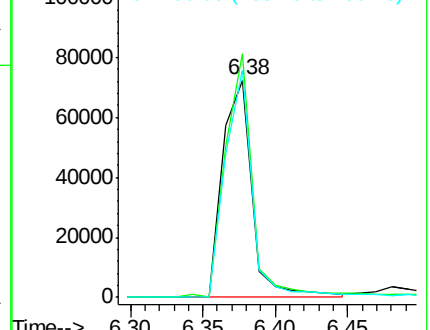
106 104.7 75.5 115.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 40.28 ng

RT: 6.48 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

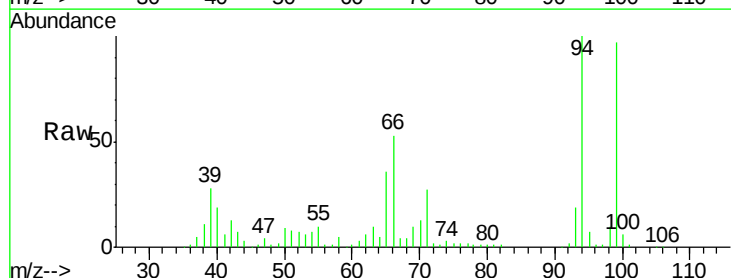
Tgt Ion: 94 Resp: 223974

Ion Ratio Lower Upper

94 100

65 36.0 12.6 52.6

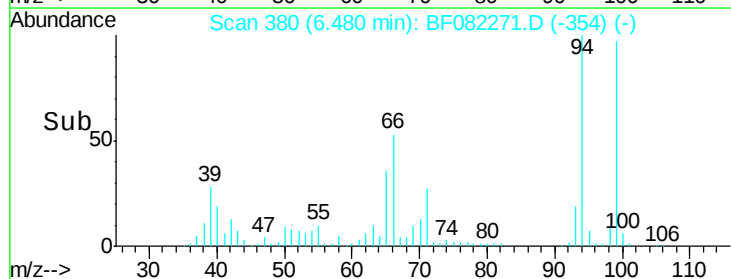
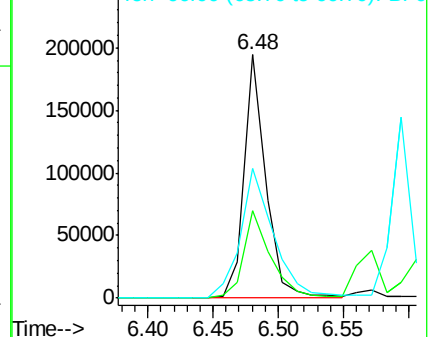
66 53.4 27.3 67.3

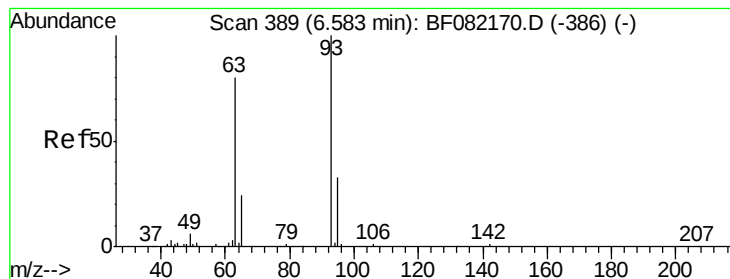


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 43.36 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

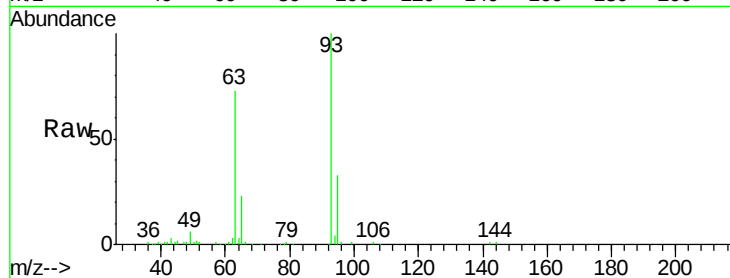
Tot Ion: 93 Resp: 203876

Ion Ratio Lower Upper

93 100

63 73.5 57.1 97.1

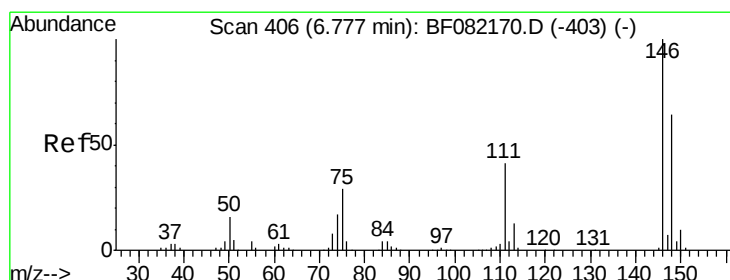
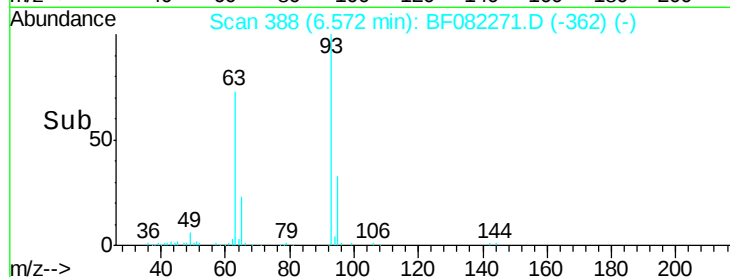
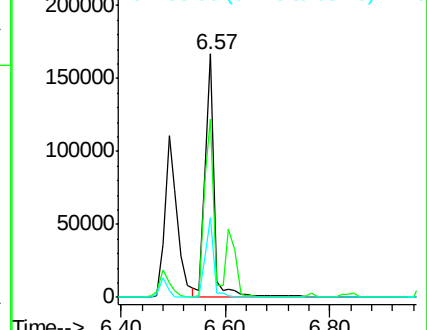
95 32.9 11.9 51.9



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 42.27 ng

RT: 6.77 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

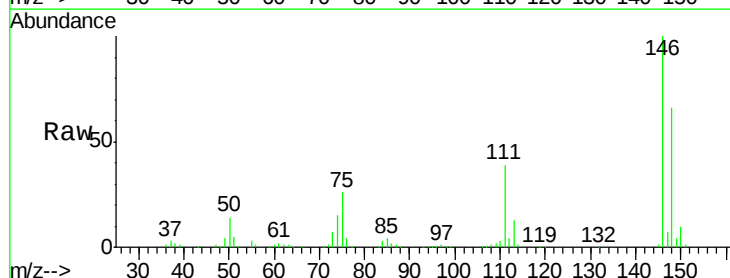
Tgt Ion: 146 Resp: 222703

Ion Ratio Lower Upper

146 100

148 65.5 51.4 77.2

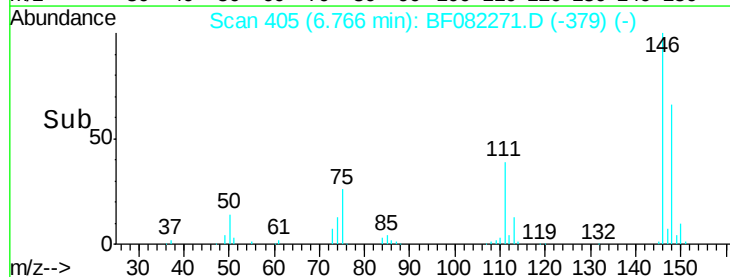
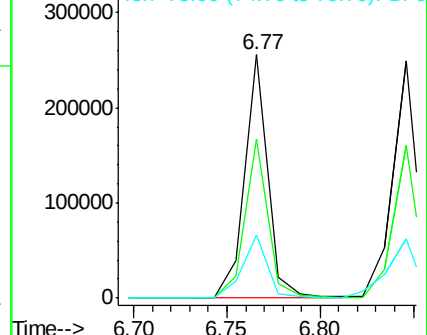
75 25.8 23.0 34.6

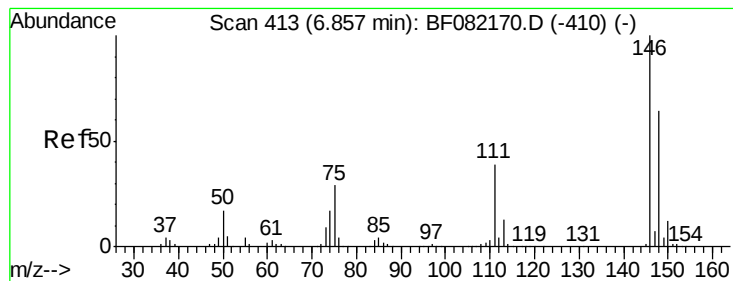


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 41.64 ng

RT: 6.85 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

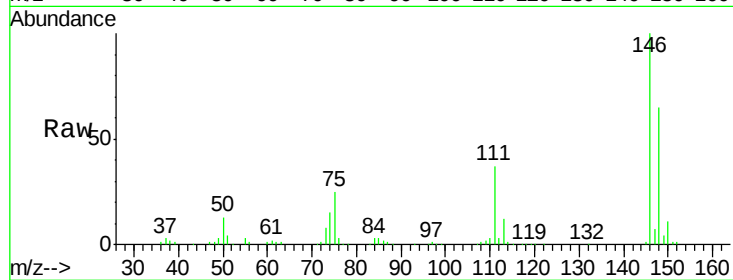
Tot Ion:146 Resp: 229116

Ion Ratio Lower Upper

146 100

148 64.6 51.0 76.4

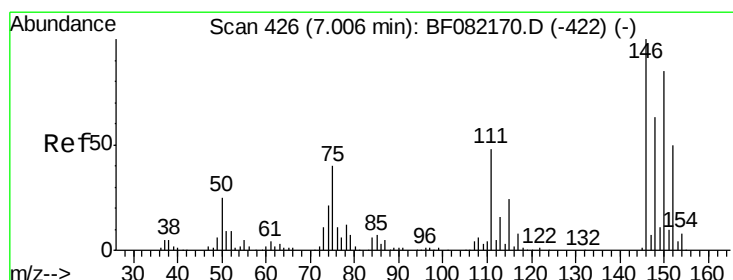
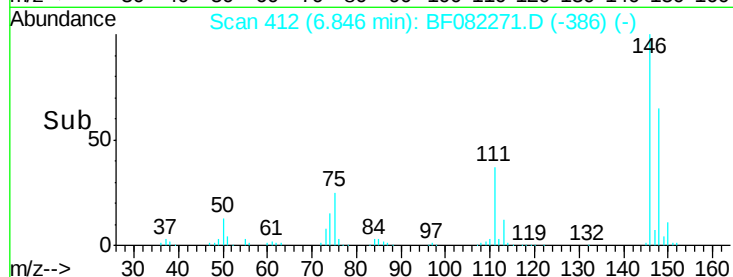
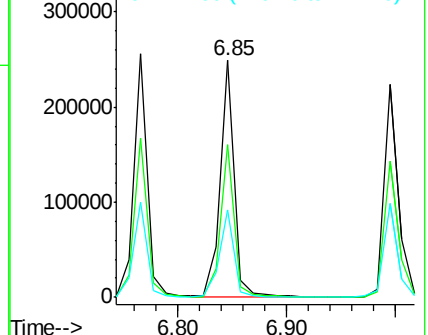
111 36.9 31.1 46.7



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: 39.99 ng

RT: 6.99 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

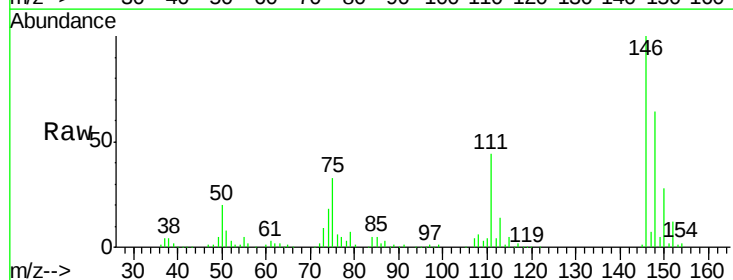
Tgt Ion:146 Resp: 208928

Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

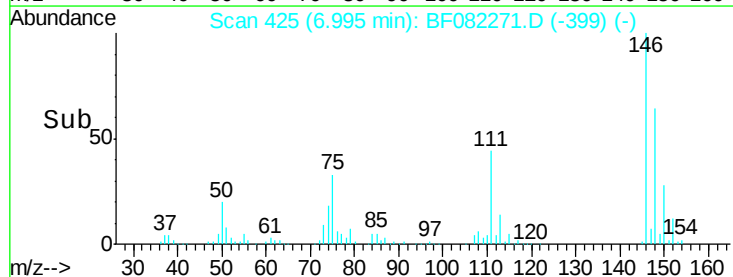
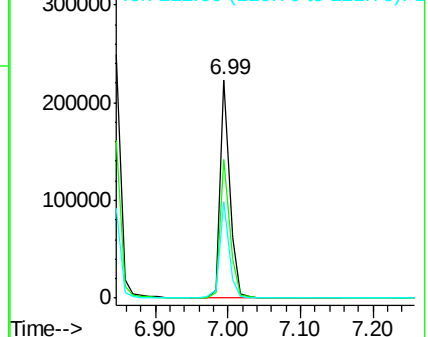
111 44.1 38.5 57.7

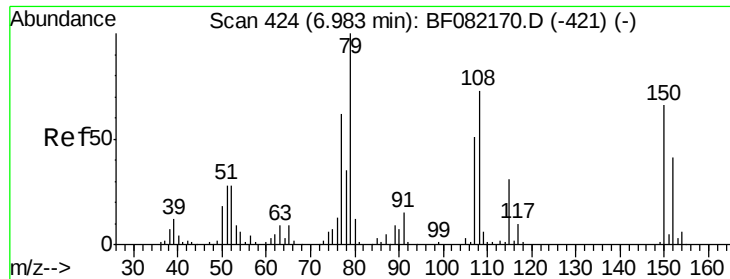


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

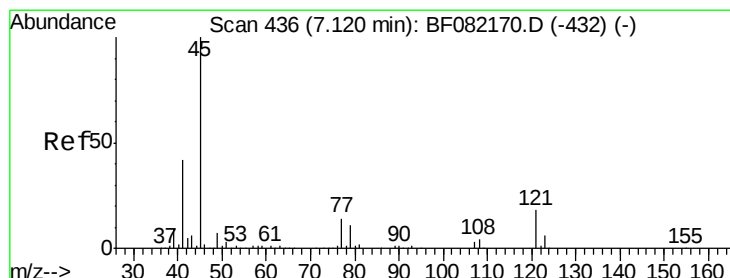
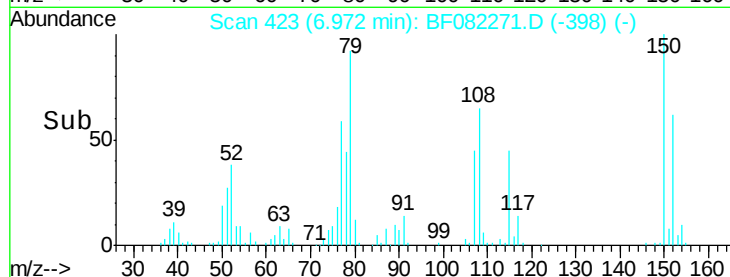
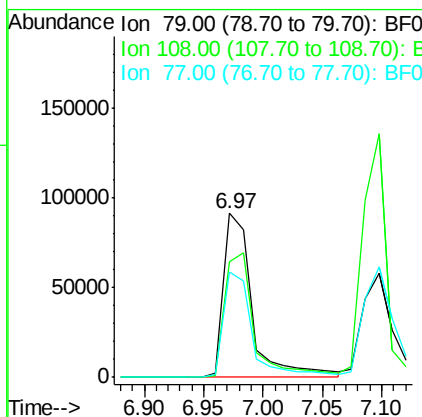
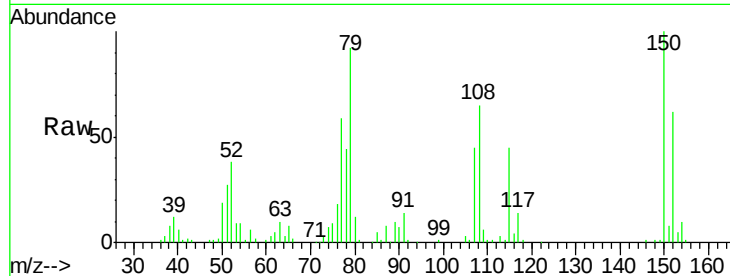




#15
Benzyl Alcohol
Concen: 45.73 ng
RT: 6.97 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

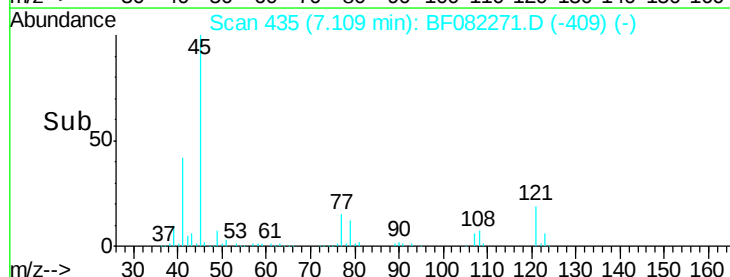
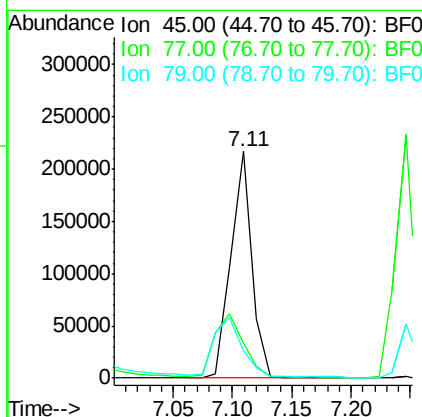
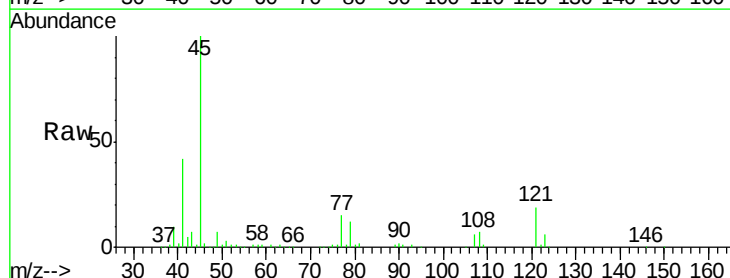
Instrument :
BNA_F
ClientSampleId :
UST-3MS

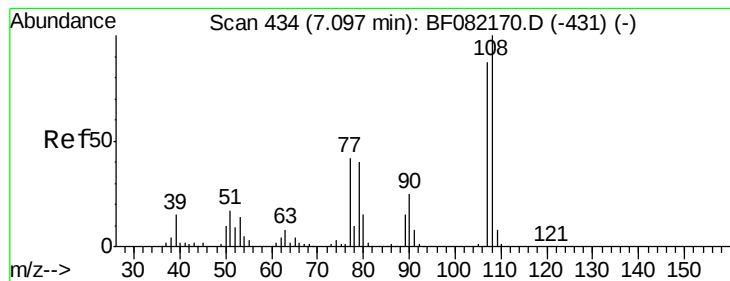
Tot Ion: 79 Resp: 152260
Ion Ratio Lower Upper
79 100
108 70.3 58.4 87.6
77 63.9 49.8 74.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.46 ng
RT: 7.11 min Scan# 435
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion: 45 Resp: 264906
Ion Ratio Lower Upper
45 100
77 15.3 0.0 34.5
79 12.3 0.0 31.6

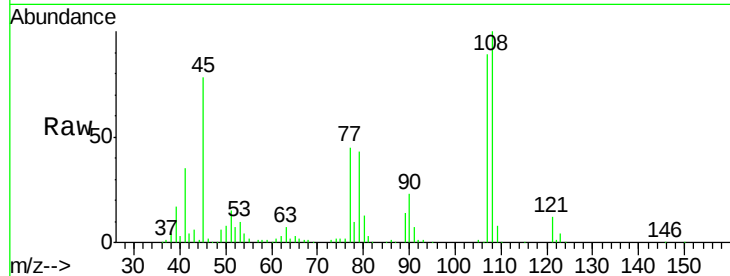




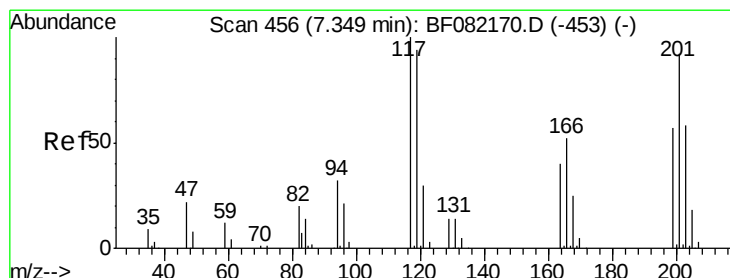
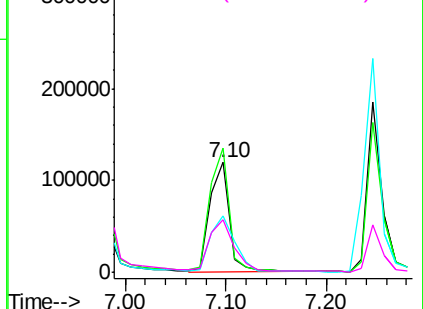
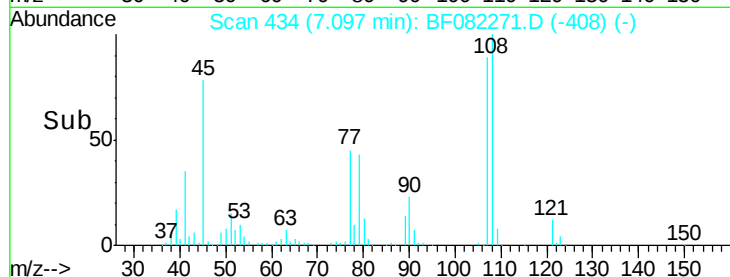
#17
2-Methylphenol
Concen: 45.01 ng
RT: 7.10 min Scan# 434
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Instrument :
BNA_F
ClientSampleId :
UST-3MS

Tot Ion:107 Resp: 161031
Ion Ratio Lower Upper
107 100
108 113.0 92.2 138.2
77 51.2 39.6 59.4
79 48.1 38.2 57.4

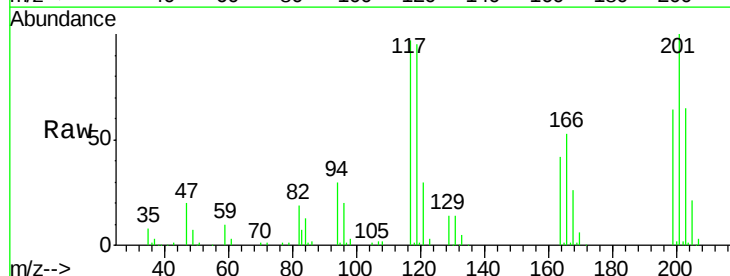


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

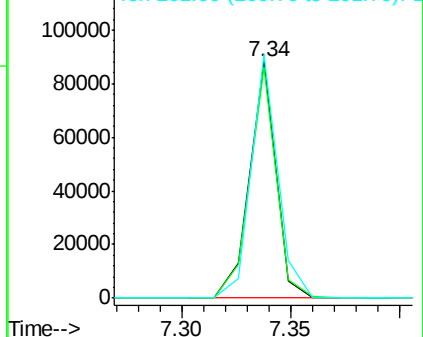
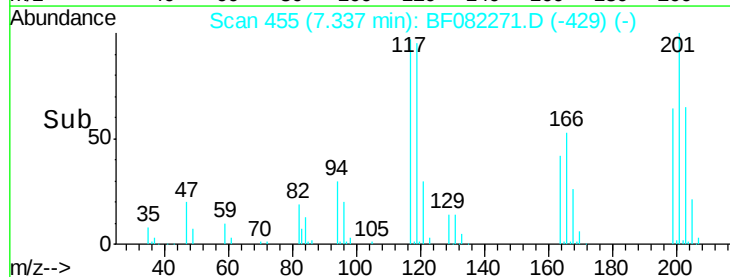


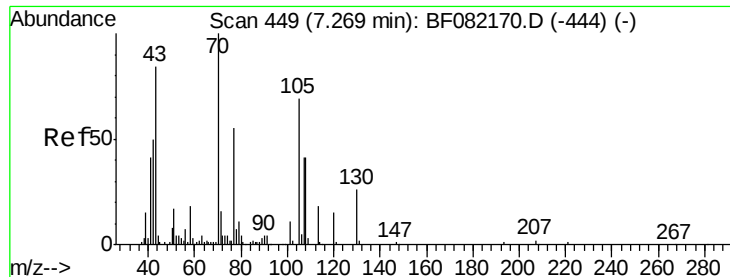
#18
Hexachloroethane
Concen: 39.34 ng
RT: 7.34 min Scan# 455
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:117 Resp: 74085
Ion Ratio Lower Upper
117 100
119 97.3 75.4 113.2
201 102.9 73.4 110.0



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

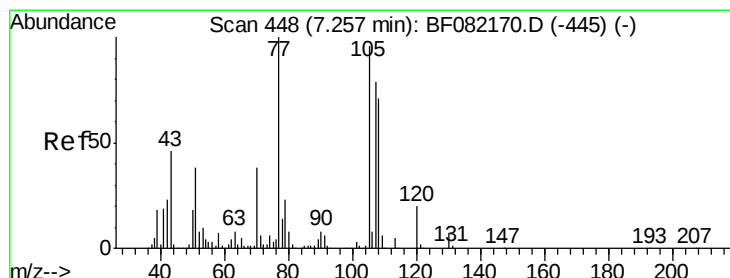
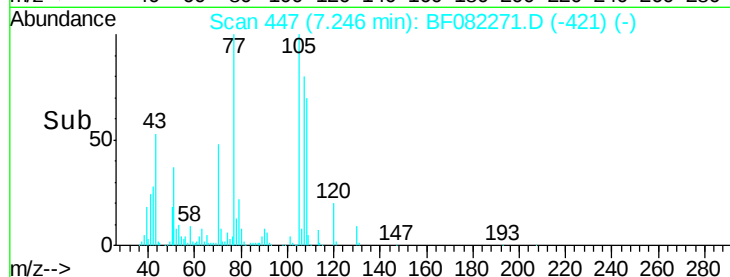
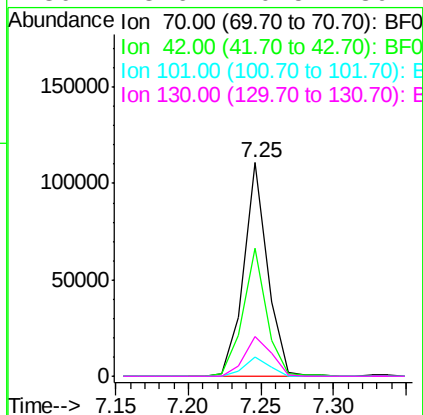
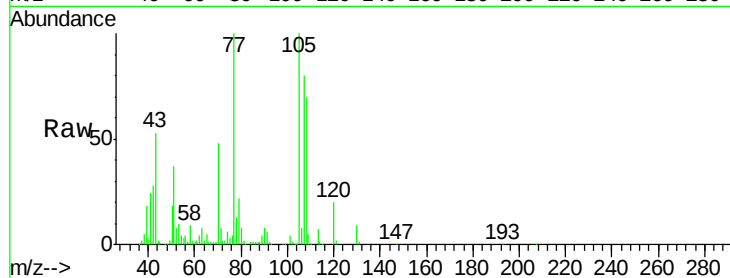




#19
n-Nitroso-di-n-propylamine
Concen: 37.27 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

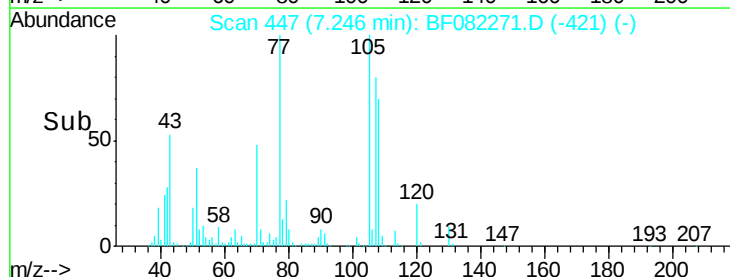
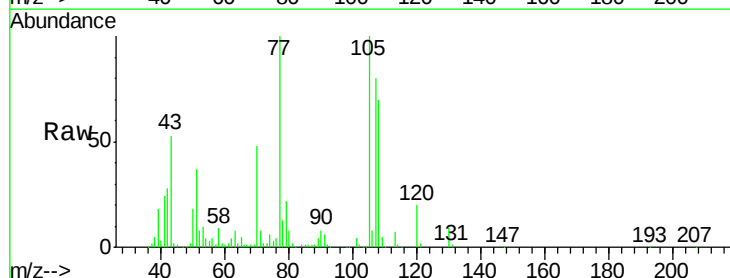
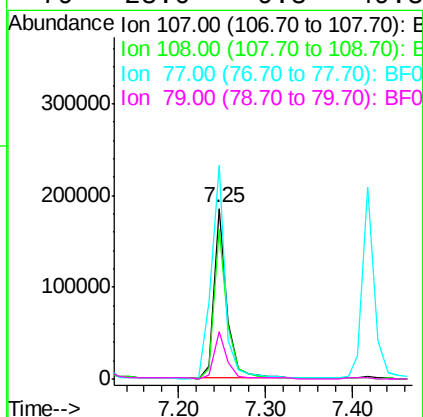
Instrument :
BNA_F
ClientSampleId :
UST-3MS

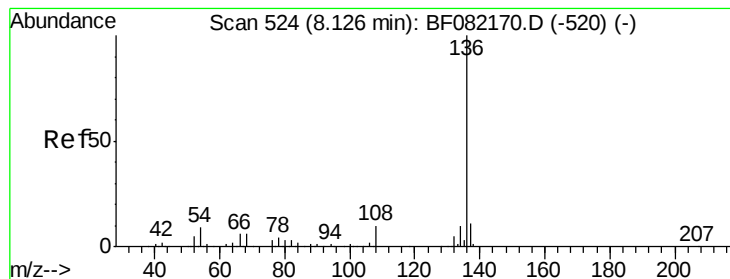
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	59.9	39.8	59.8#	
101	9.2	8.6	13.0	
130	18.6	20.5	30.7#	



#20
3+4-Methylphenols
Concen: 45.36 ng
RT: 7.25 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	87.8	69.9	109.9	
77	125.4	106.0	146.0	
79	28.0	9.8	49.8	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

Tot Ion:136 Resp: 295384

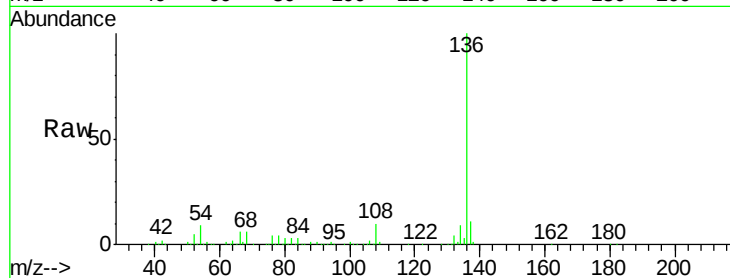
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 9.4 7.5 11.3

68 5.7 4.6 7.0

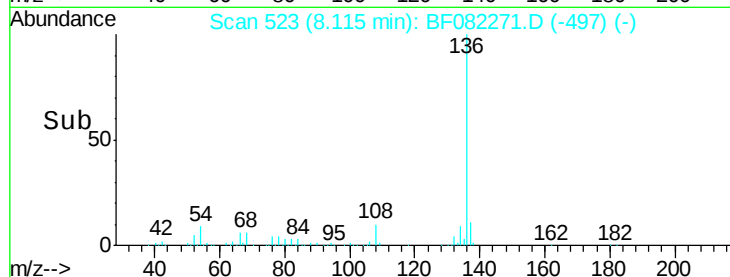


Abundance Ion 136.00 (135.70 to 136.70): E

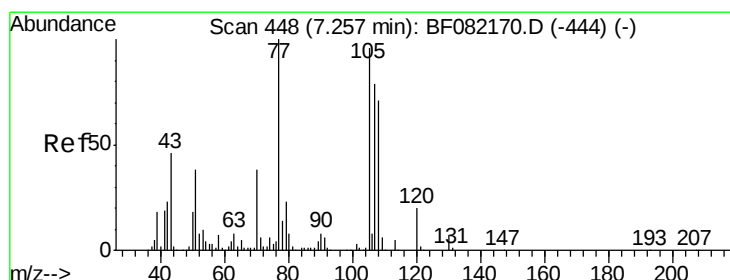
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.10 8.20 8.30



#22

Acetophenone

Concen: 46.18 ng

RT: 7.25 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Tgt Ion:105 Resp: 269857

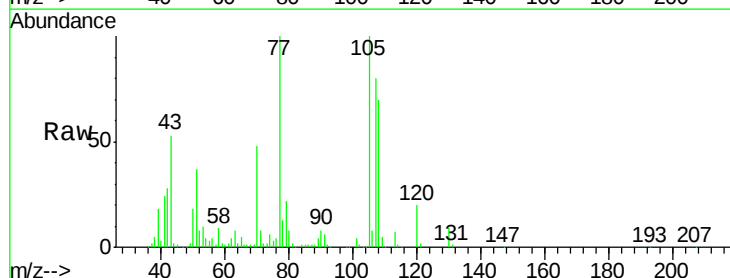
Ion Ratio Lower Upper

105 100

71 7.9 5.4 8.0

51 36.6 31.8 47.6

120 20.4 16.3 24.5

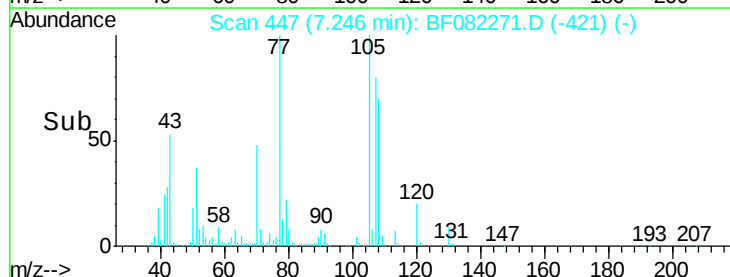


Abundance Ion 105.00 (104.70 to 105.70): E

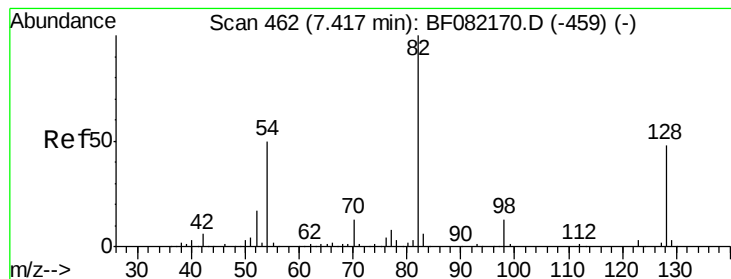
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time--> 7.10 7.20 7.30 7.40



#23

Nitrobenzene-d5

Concen: 97.30 ng

RT: 7.41 min Scan# 461

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

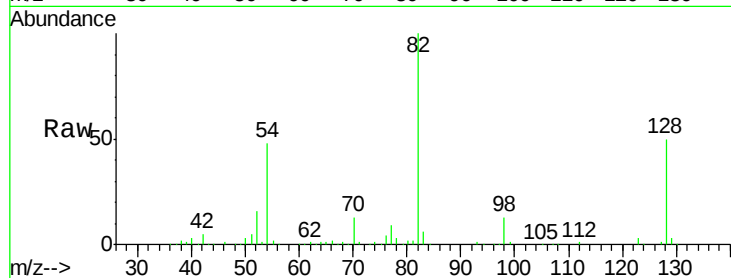
Tot Ion: 82 Resp: 427987

Ion Ratio Lower Upper

82 100

128 50.2 38.7 58.1

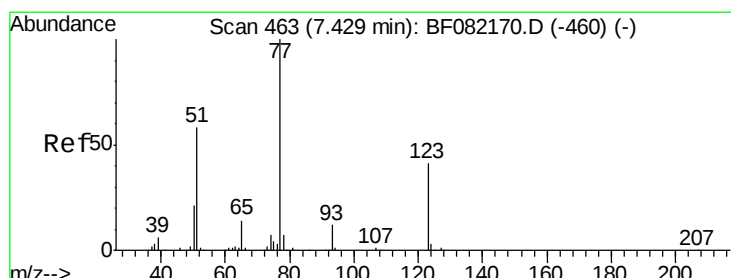
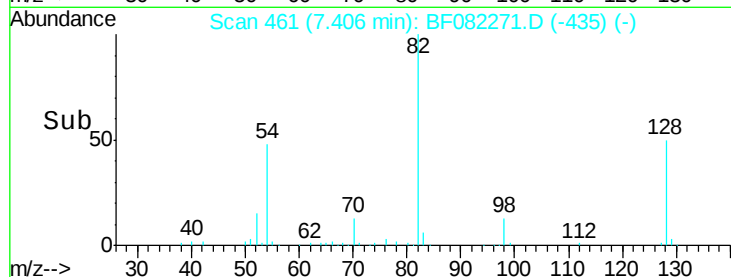
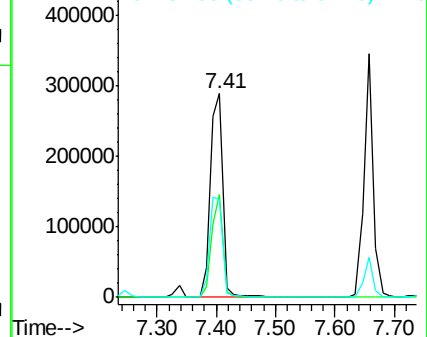
54 47.8 40.1 60.1



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: 41.54 ng

RT: 7.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

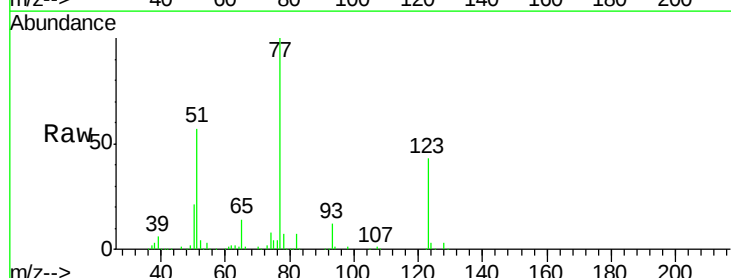
Tgt Ion: 77 Resp: 197784

Ion Ratio Lower Upper

77 100

123 43.0 33.0 49.4

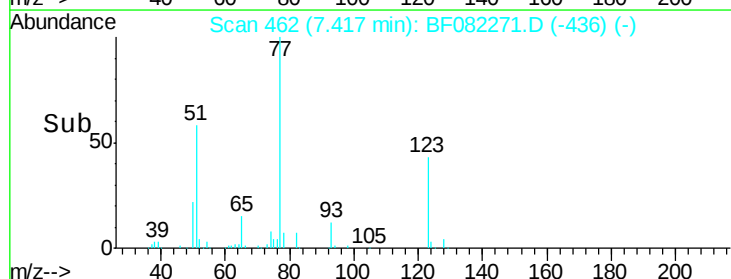
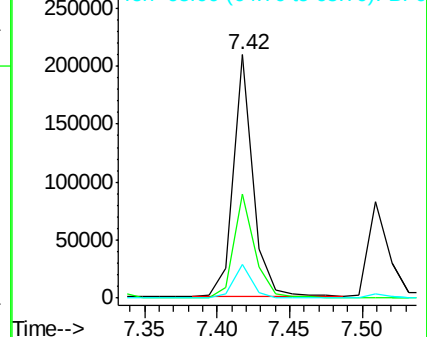
65 14.0 11.2 16.8

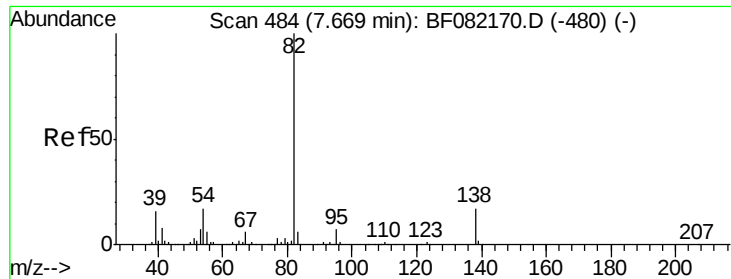


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 41.94 ng

RT: 7.66 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

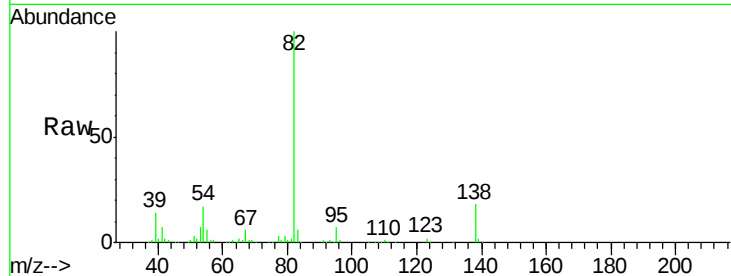
Tot Ion: 82 Resp: 372333

Ion Ratio Lower Upper

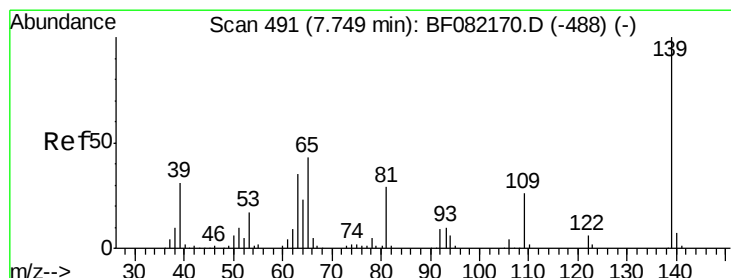
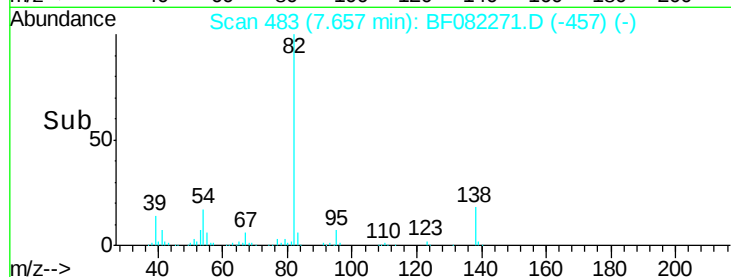
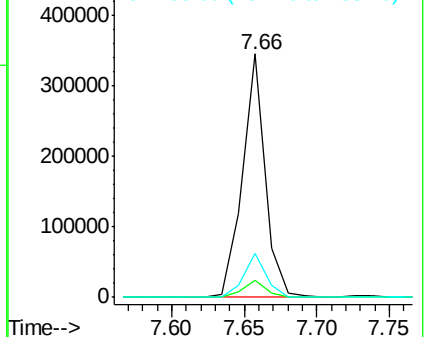
82 100

95 7.1 5.6 8.4

138 18.1 13.6 20.4



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: 47.76 ng

RT: 7.74 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

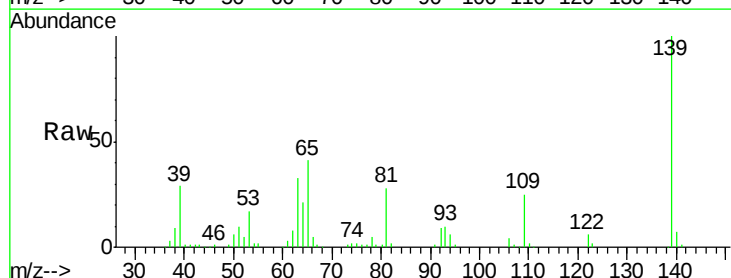
Tgt Ion: 139 Resp: 113544

Ion Ratio Lower Upper

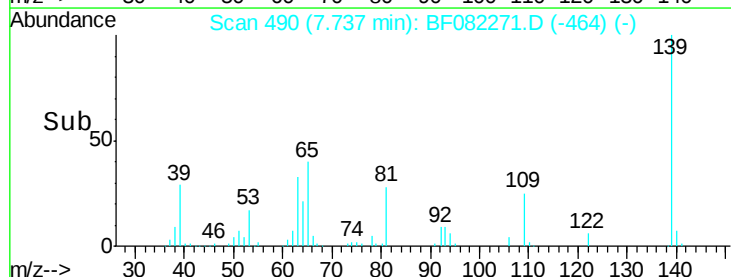
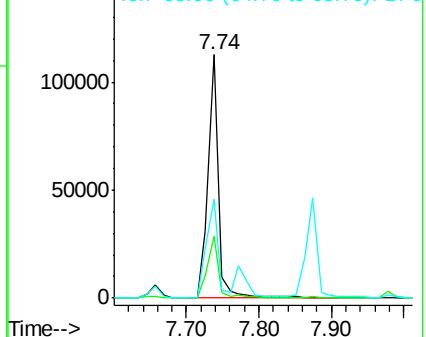
139 100

109 25.5 20.6 31.0

65 40.8 34.3 51.5



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

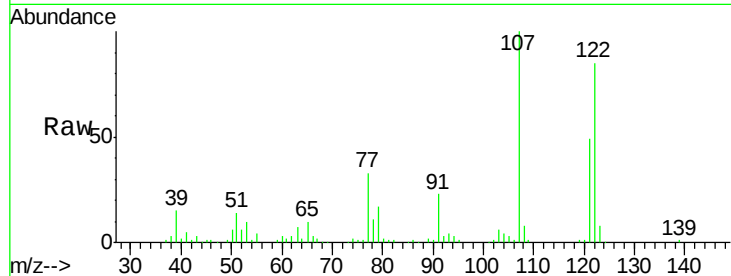




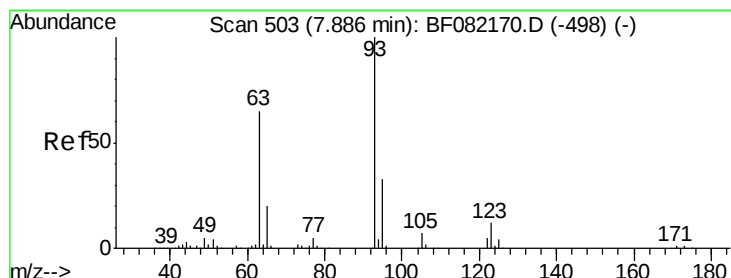
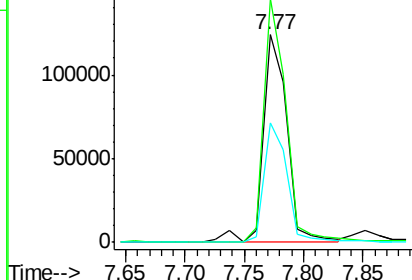
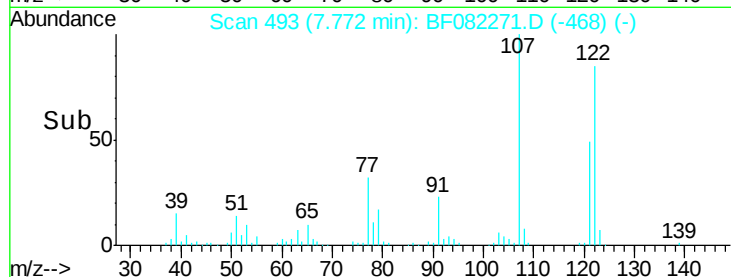
#27
 2,4-Dimethylphenol
 Concen: 45.24 ng
 RT: 7.77 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.5	94.0	141.0
121	57.8	46.8	70.2

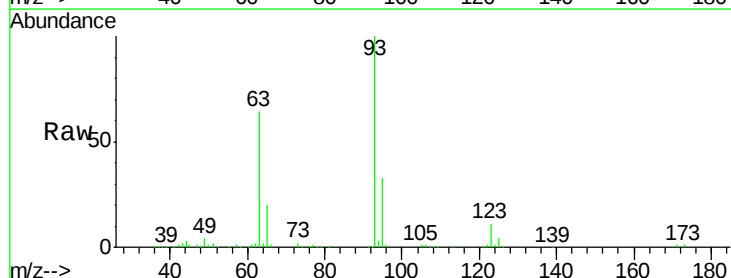


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

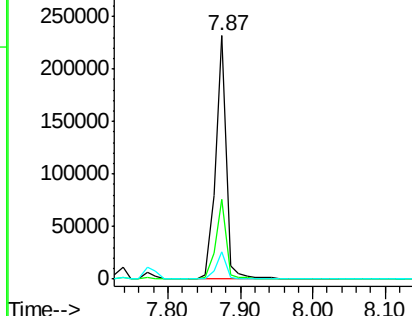
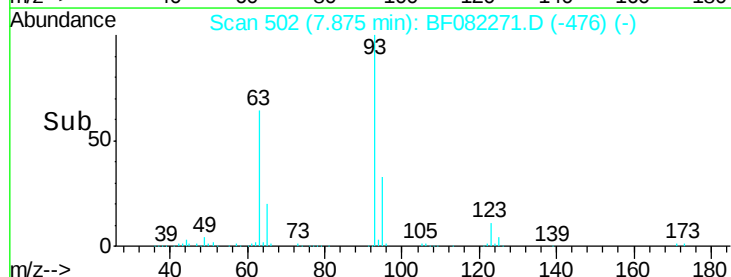


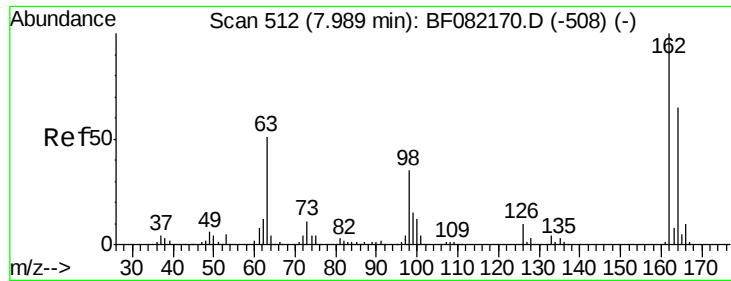
#28
 bis(2-Chloroethoxy)methane
 Concen: 46.10 ng
 RT: 7.87 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.6	39.8
123	11.0	9.5	14.3



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

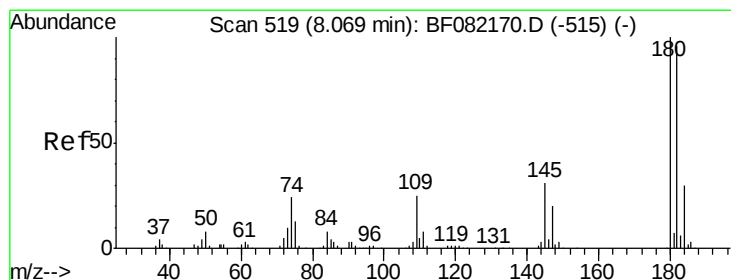
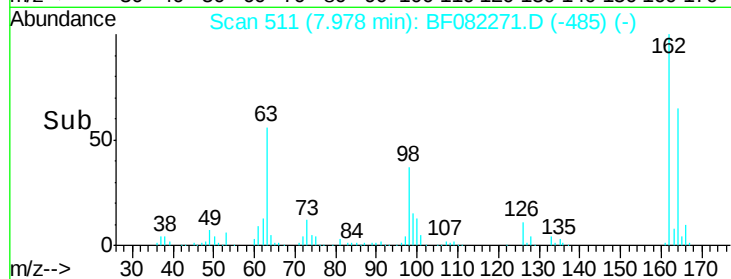
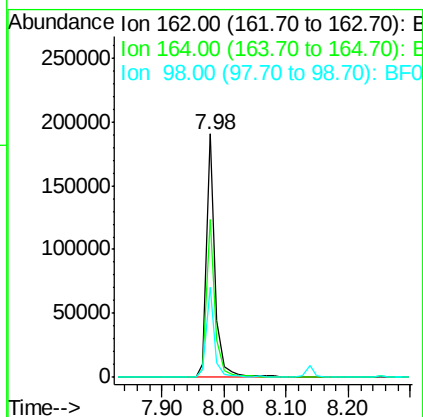
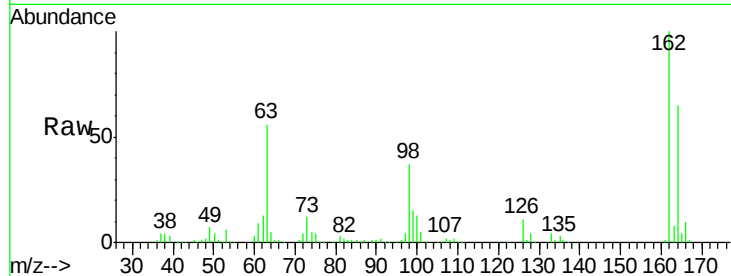




#29
 2,4-Dichlorophenol
 Concen: 48.55 ng
 RT: 7.98 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

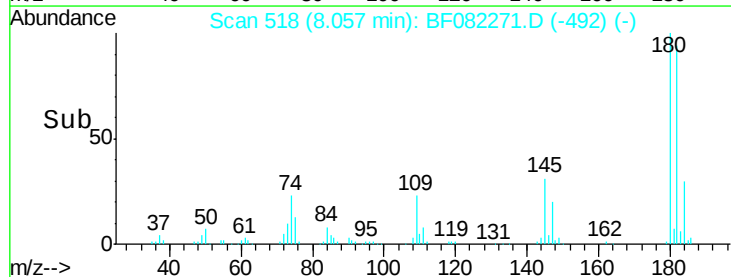
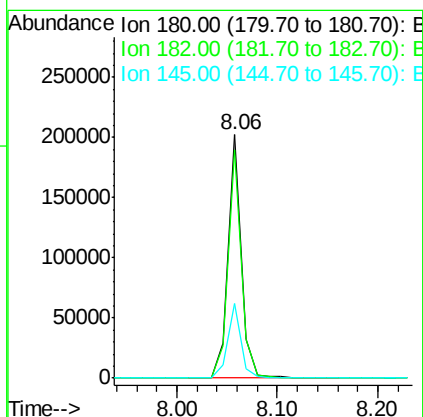
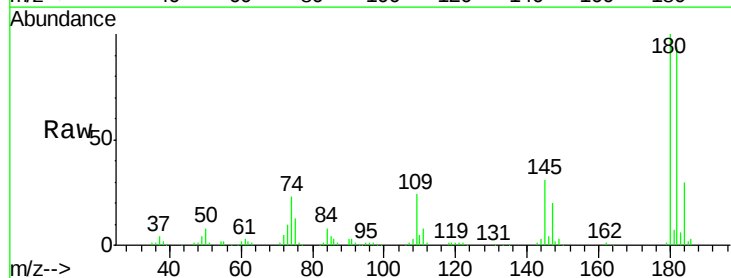
Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

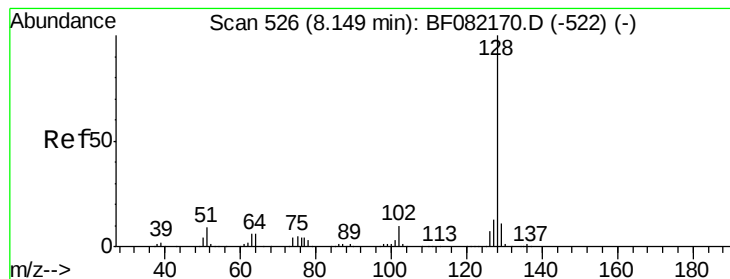
Tot Ion:162 Resp: 185884
 Ion Ratio Lower Upper
 162 100
 164 64.9 44.6 84.6
 98 37.1 15.0 55.0



#30
 1,2,4-Trichlorobenzene
 Concen: 42.17 ng
 RT: 8.06 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion:180 Resp: 186102
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.0 115.4
 145 30.6 25.0 37.4





#31

Naphthalene

Concen: 43.66 ng

RT: 8.14 min Scan# 525

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

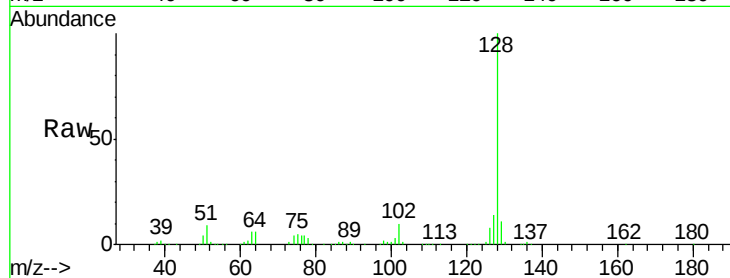
Tot Ion:128 Resp: 559086

Ion Ratio Lower Upper

128 100

129 11.3 9.1 13.7

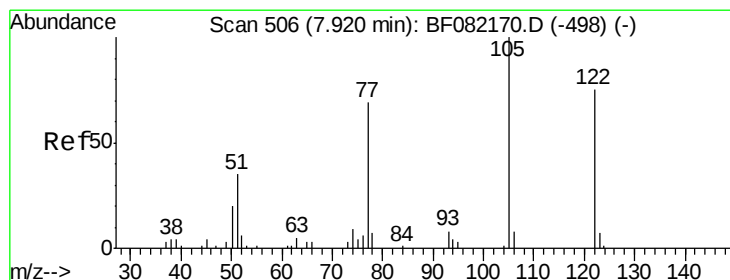
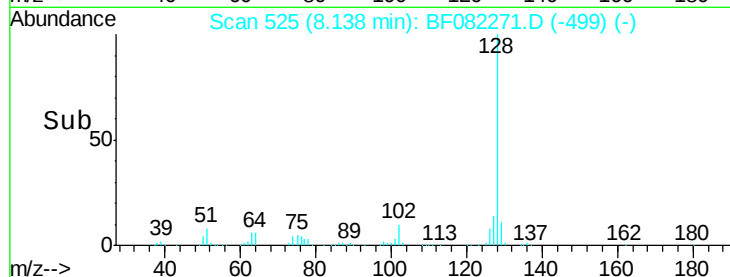
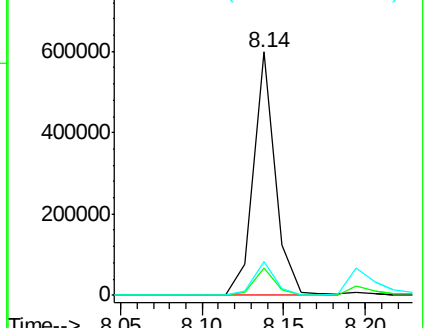
127 13.7 10.7 16.1



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: 5.59 ng

RT: 7.85 min Scan# 500

Delta R.T. -0.03 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

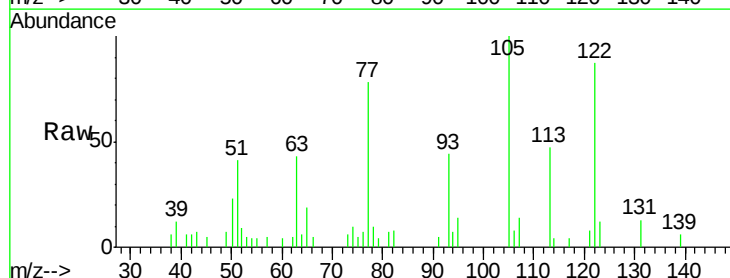
Tgt Ion:122 Resp: 14377

Ion Ratio Lower Upper

122 100

105 115.4 104.4 144.4

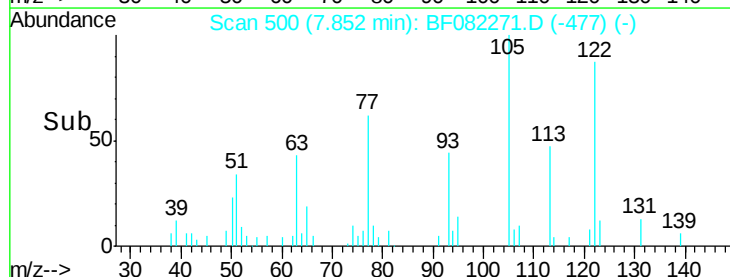
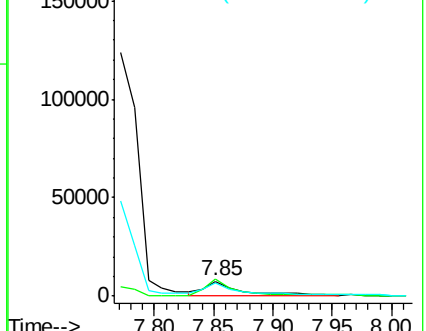
77 89.9 69.0 109.0



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

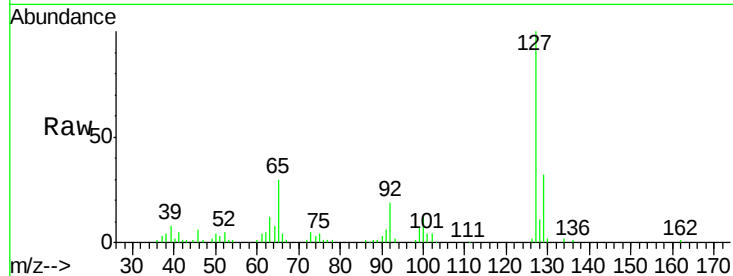




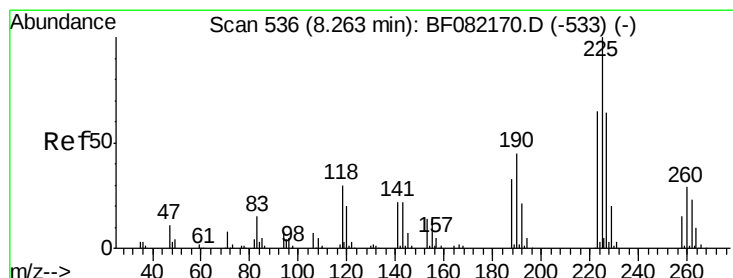
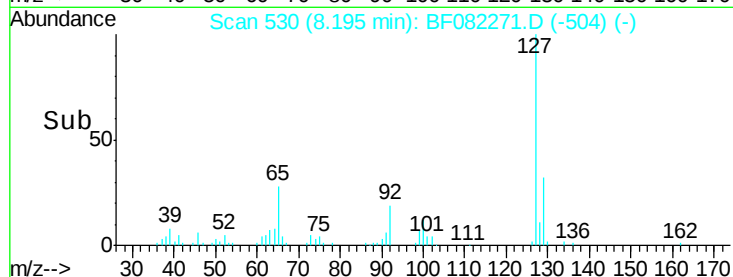
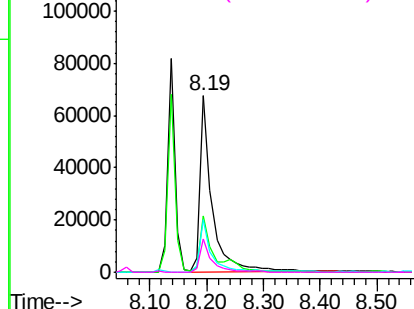
#33
4-Chloroaniline
Concen: 18.49 ng
RT: 8.19 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Instrument :
BNA_F
ClientSampleId :
UST-3MS

Tot Ion:	127	Resp:	98345
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.3	39.5
65	29.9	24.4	36.6
92	19.0	15.7	23.5

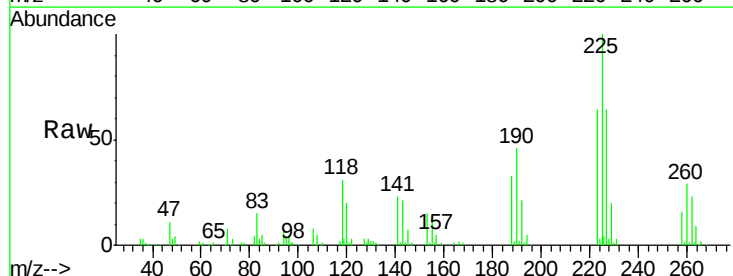


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

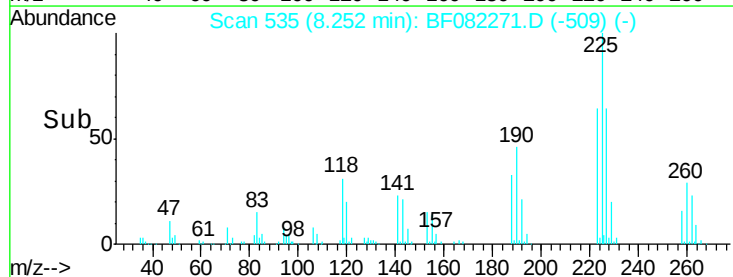
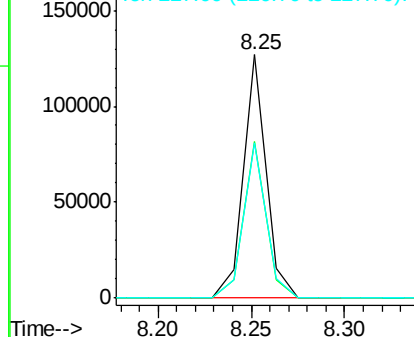


#34
Hexachlorobutadiene
Concen: 39.42 ng
RT: 8.25 min Scan# 535
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:	225	Resp:	108411
Ion	Ratio	Lower	Upper
225	100		
223	64.3	52.2	78.2
227	64.0	51.3	76.9



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: 46.77 ng

RT: 8.56 min Scan# 562

Delta R.T. -0.02 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

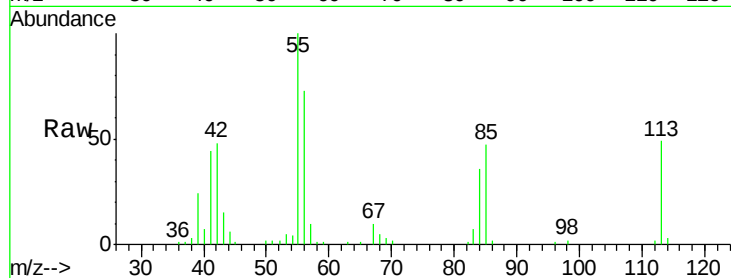
Tot Ion:113 Resp: 51966

Ion Ratio Lower Upper

113 100

55 203.0 149.7 189.7#

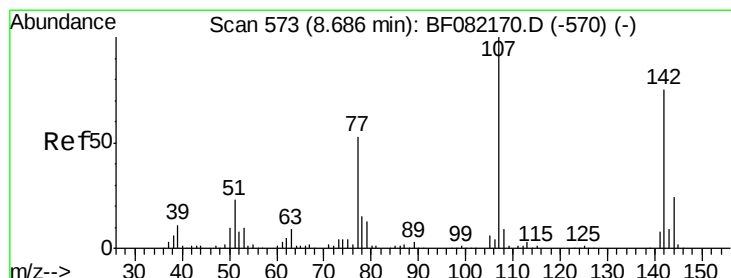
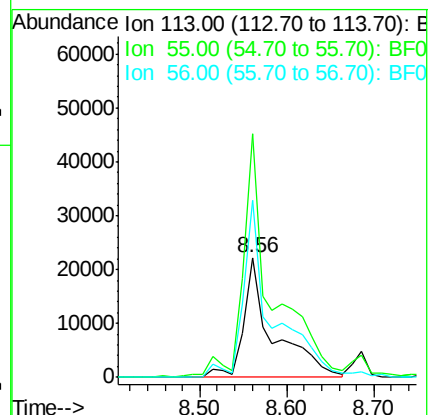
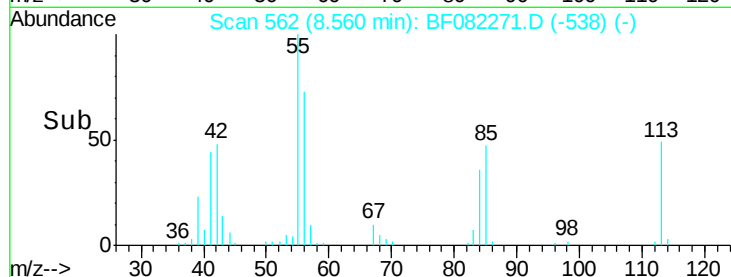
56 148.0 105.4 145.4#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 50.60 ng

RT: 8.69 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

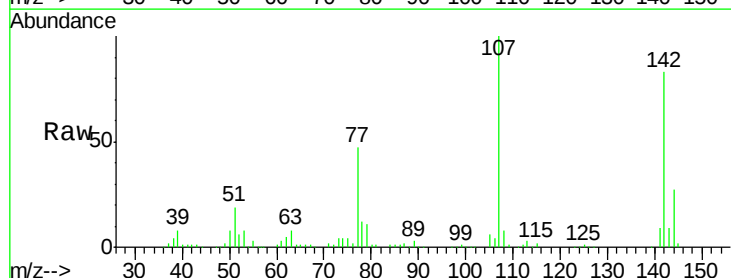
Tgt Ion:107 Resp: 189445

Ion Ratio Lower Upper

107 100

144 26.9 19.3 28.9

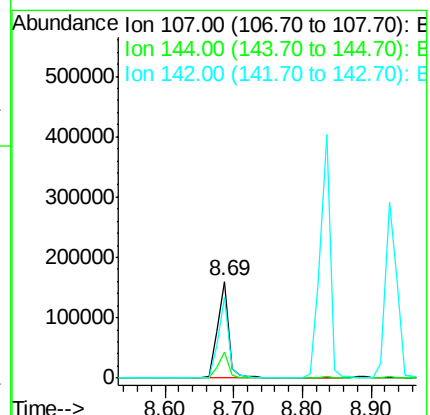
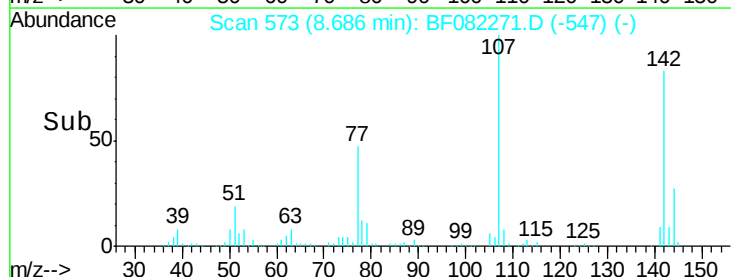
142 83.1 59.9 89.9

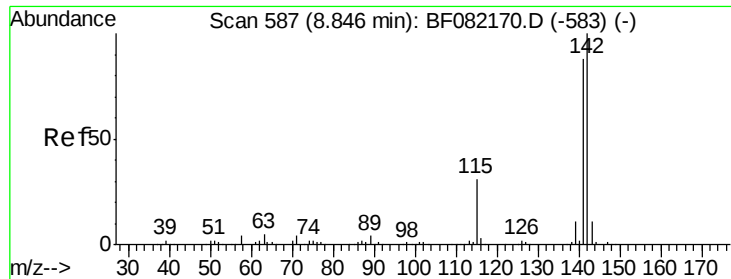


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

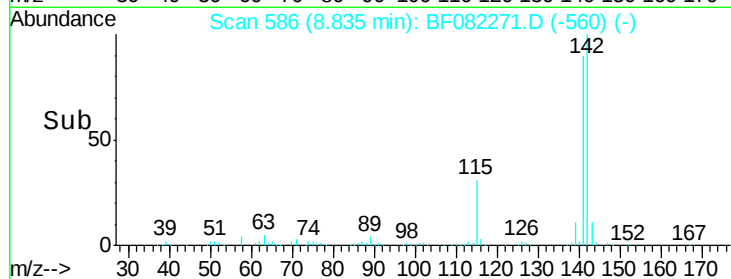
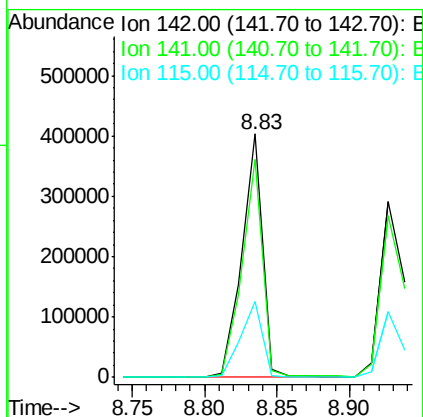
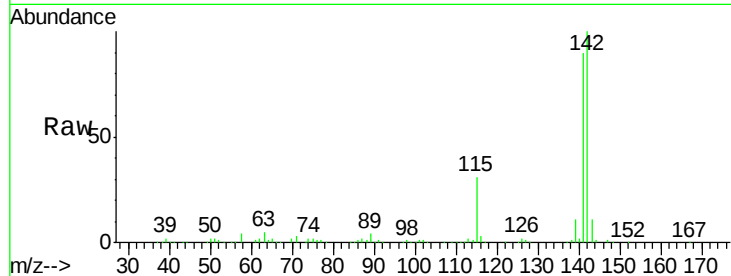




#37
 2-Methylnaphthalene
 Concen: 45.20 ng
 RT: 8.83 min Scan# 586
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

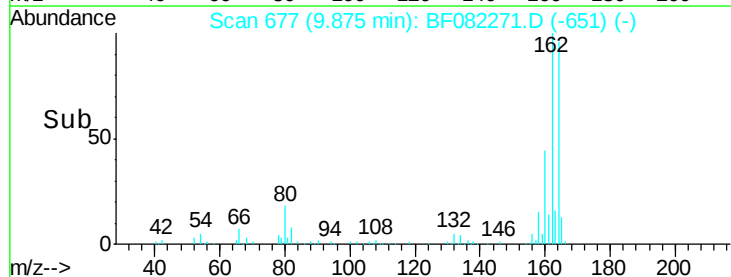
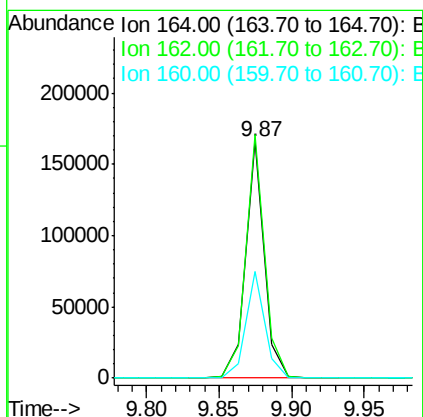
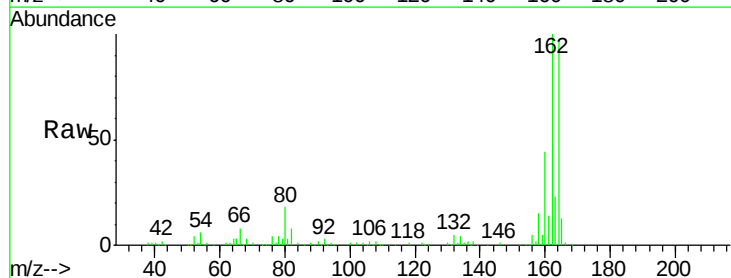
Instrument :
 BNA_F
 ClientSampled :
 UST-3MS

Tot Ion:142 Resp: 401208
 Ion Ratio Lower Upper
 142 100
 141 89.7 70.4 105.6
 115 31.2 24.6 37.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion:164 Resp: 147378
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.6 122.4
 160 45.1 36.4 54.6





#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.19 ng

RT: 8.99 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

Tot Ion:216 Resp: 176186

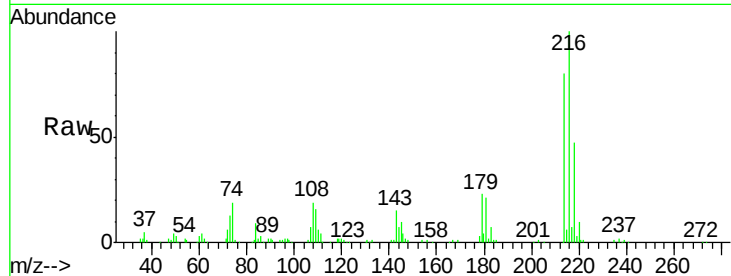
Ion Ratio Lower Upper

216 100

214 79.5 64.6 97.0

179 21.1 17.6 26.4

108 17.6 14.5 21.7

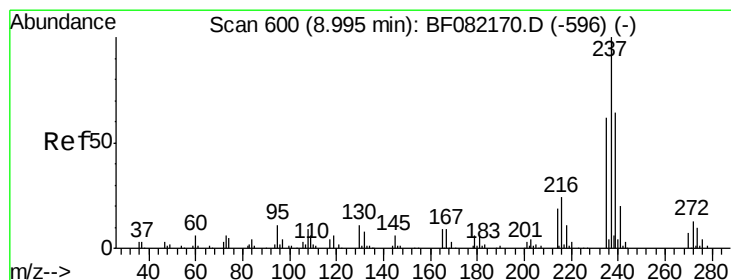
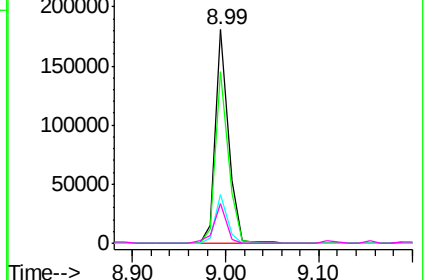
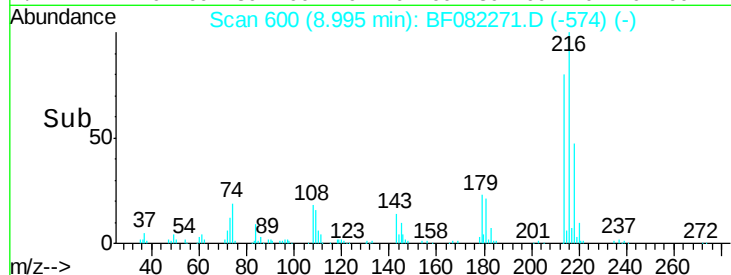


Abundance Ion 216.00 (215.70 to 216.70): E

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: 45.50 ng

RT: 8.98 min Scan# 599

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

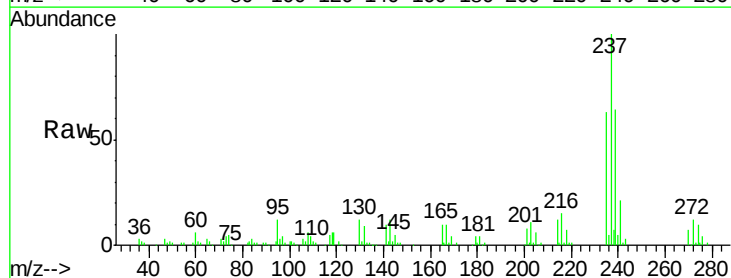
Tgt Ion:237 Resp: 92049

Ion Ratio Lower Upper

237 100

235 62.7 41.7 81.7

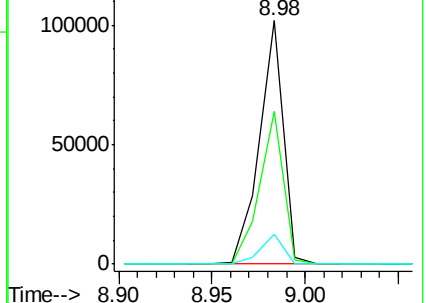
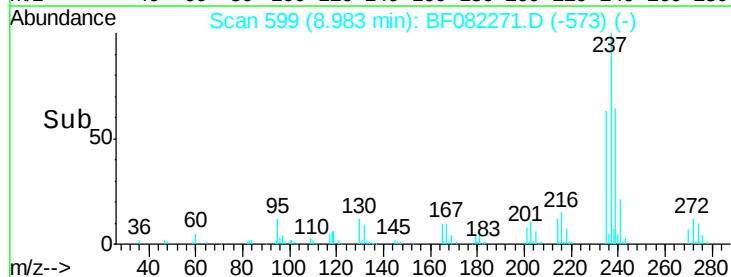
272 12.0 0.0 32.8

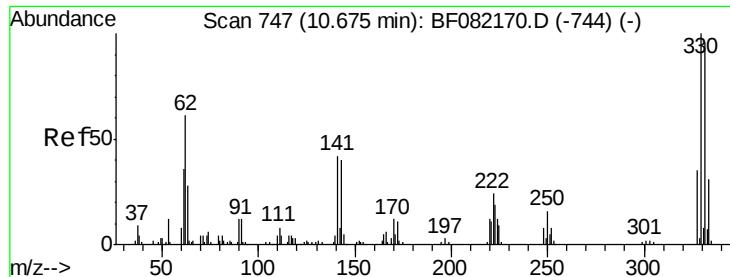


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

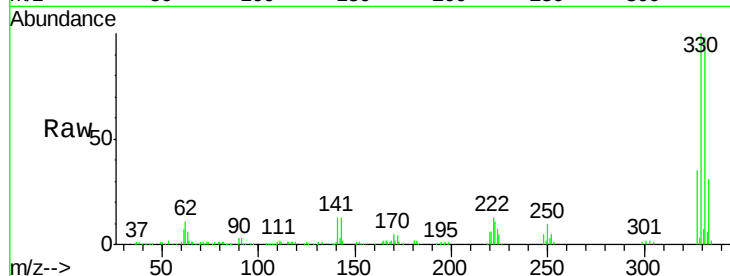




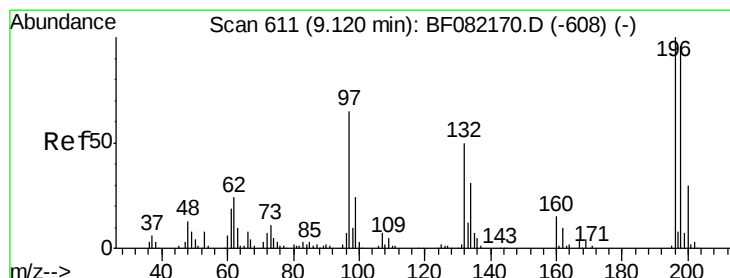
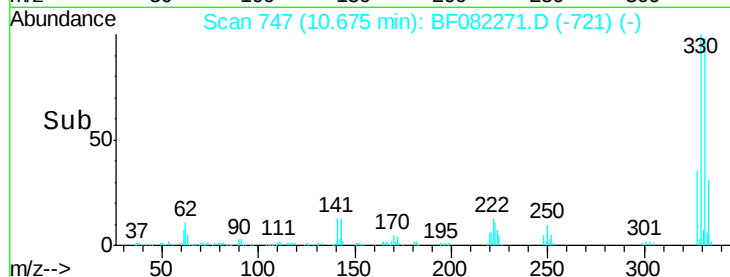
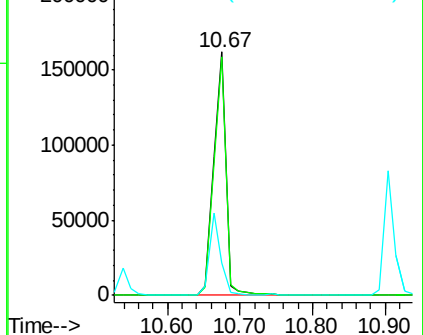
#41
 2,4,6-Tribromophenol
 Concen: 137.05 ng
 RT: 10.67 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

Tot Ion:330 Resp: 189423
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.1 115.7
 141 31.1 29.8 44.8

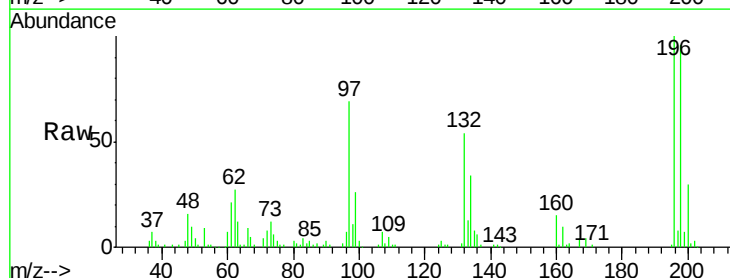


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

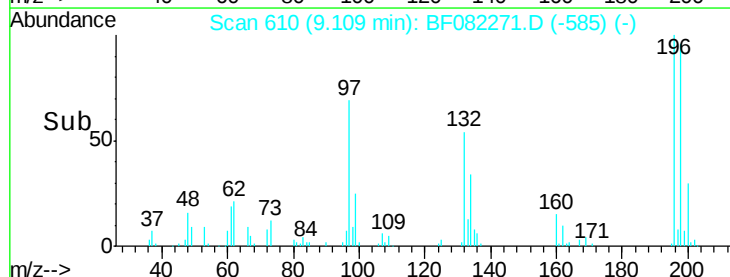
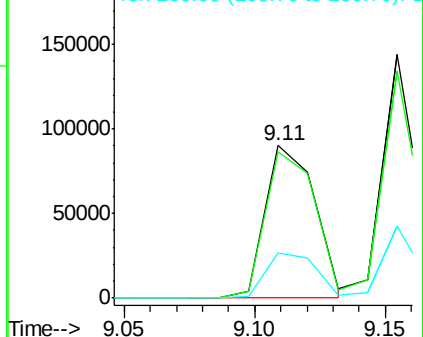


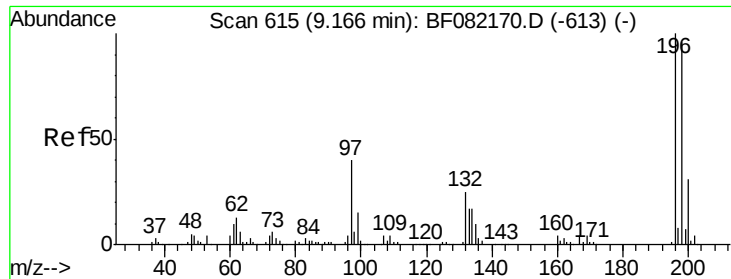
#42
 2,4,6-Trichlorophenol
 Concen: 41.08 ng
 RT: 9.11 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion:196 Resp: 119604
 Ion Ratio Lower Upper
 196 100
 198 95.5 76.6 115.0
 200 29.7 23.7 35.5



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

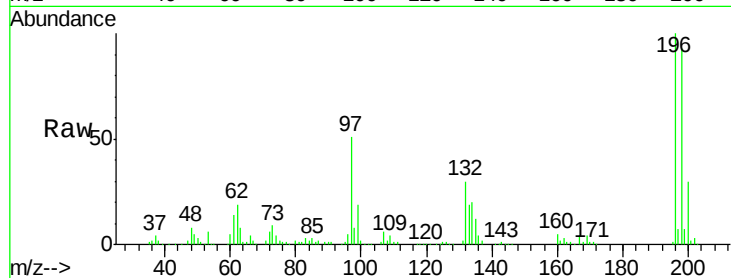




#43
 2,4,5-Trichlorophenol
 Concen: 46.20 ng
 RT: 9.15 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

Tot Ion	Ratio	Lower	Upper
196	100		
198	93.4	77.0	115.4
97	50.6	31.9	47.9
132	29.6	20.3	30.5



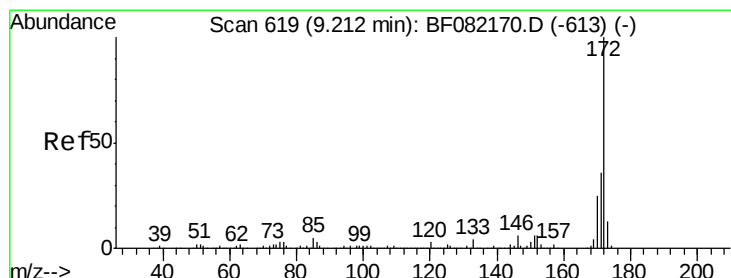
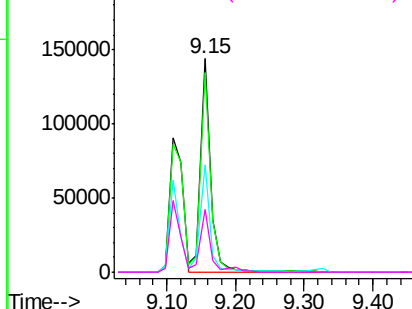
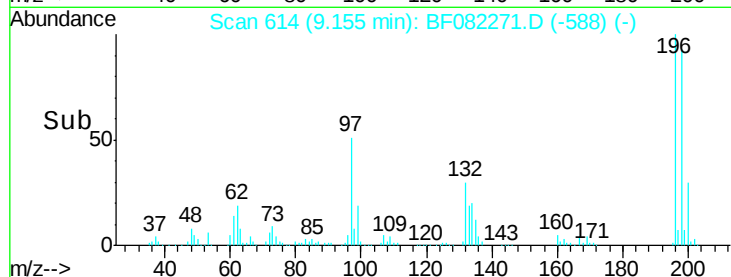
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

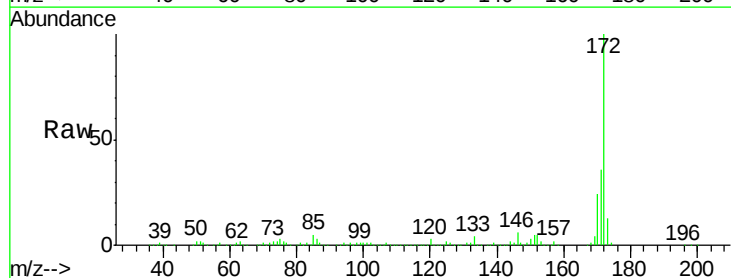
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 83.21 ng
 RT: 9.20 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	24.4	19.7	29.5

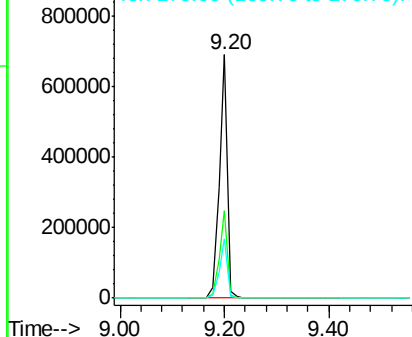
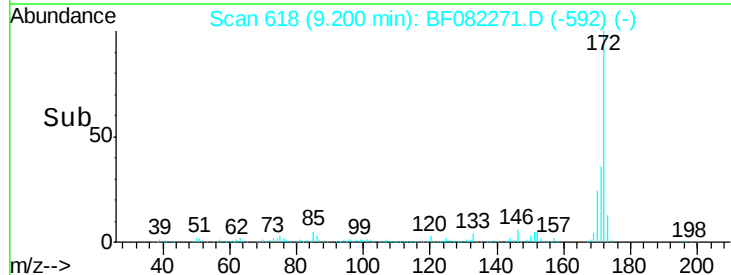


Abundance

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

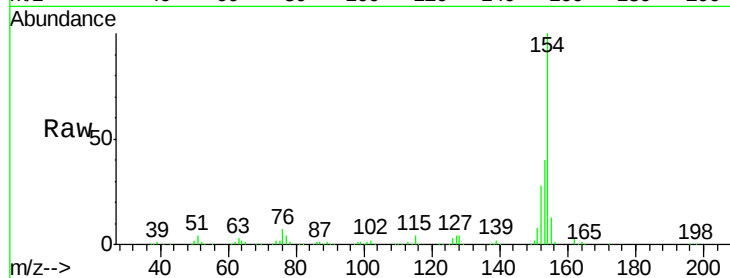




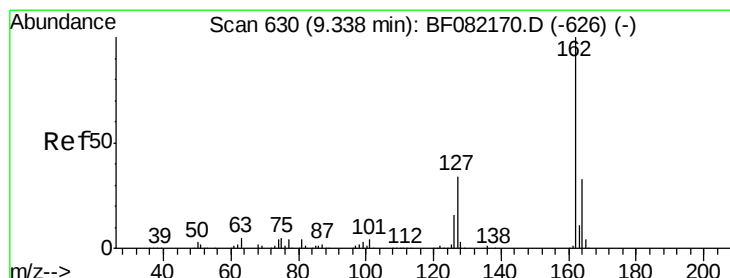
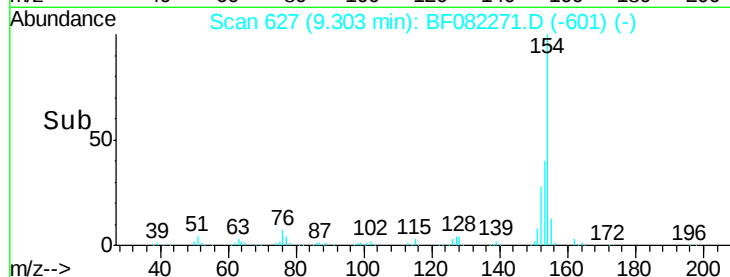
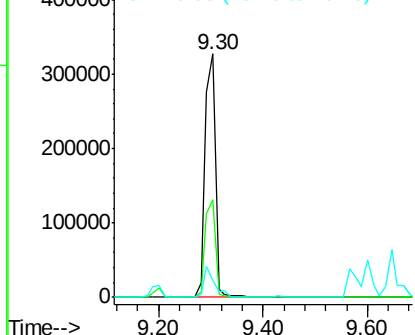
#45
 1,1'-Biphenyl
 Concen: 39.94 ng
 RT: 9.30 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

Tot Ion:154 Resp: 448840
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.6 60.6
 76 7.2 0.0 35.2

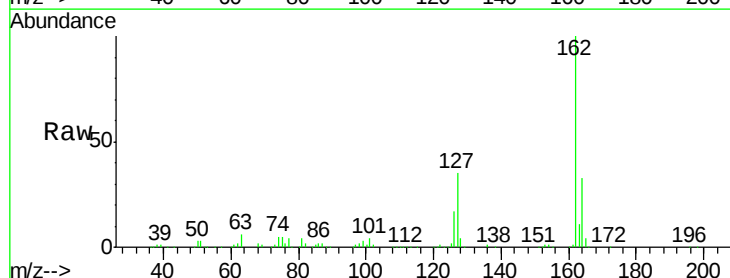


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

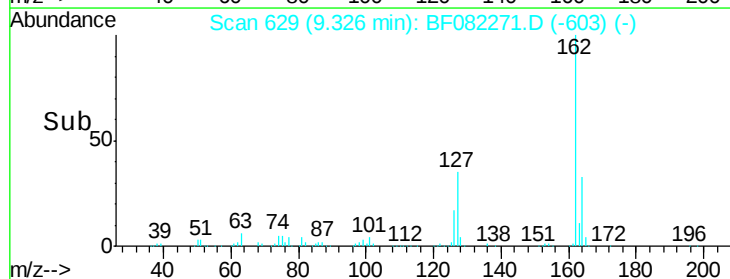
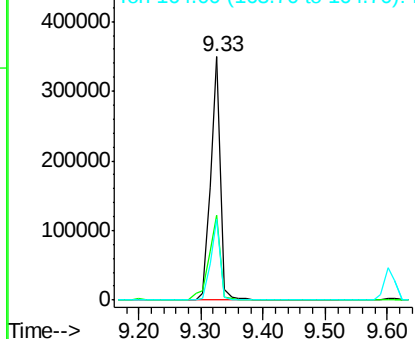


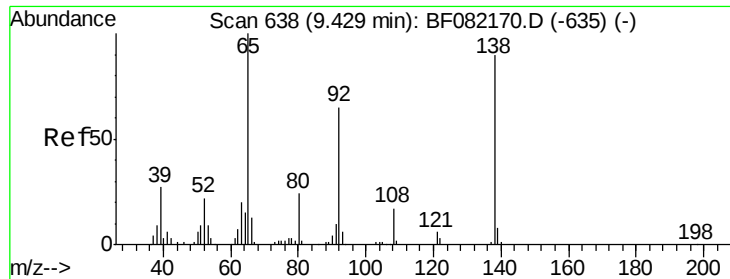
#46
 2-Chloronaphthalene
 Concen: 43.04 ng
 RT: 9.33 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion:162 Resp: 380738
 Ion Ratio Lower Upper
 162 100
 127 34.9 27.5 41.3
 164 33.4 26.6 39.8



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

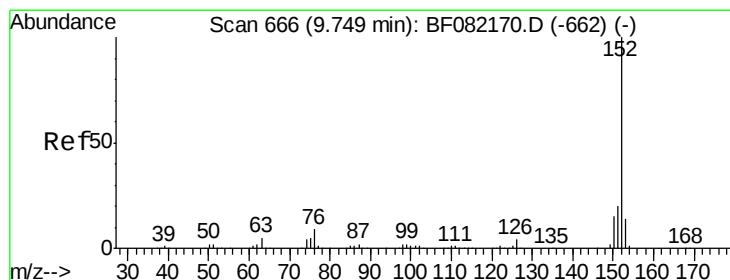
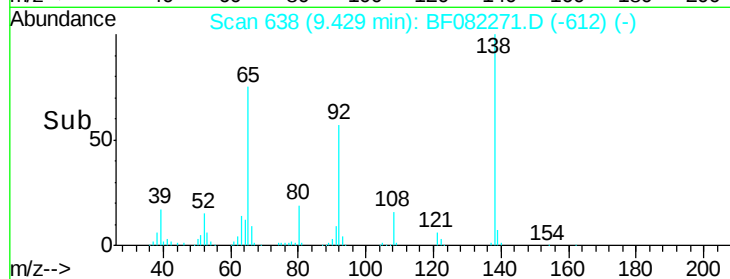
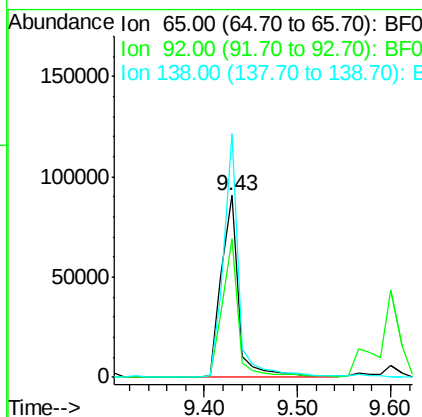
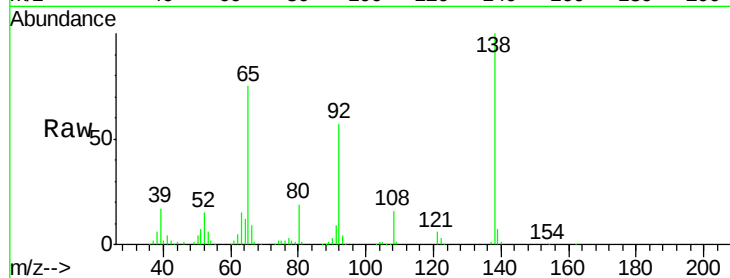




#47
2-Nitroaniline
Concen: 48.30 ng
RT: 9.43 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

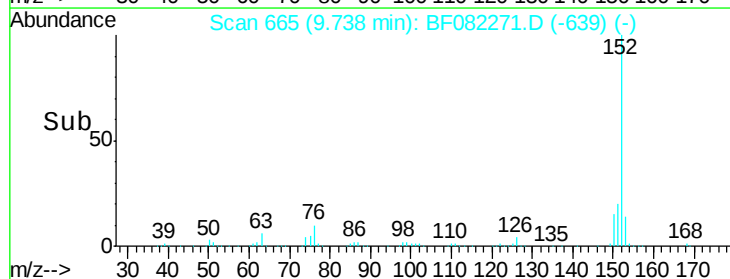
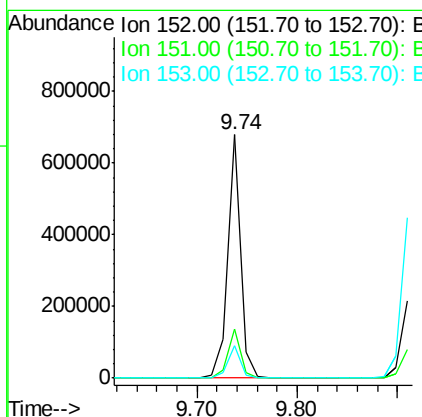
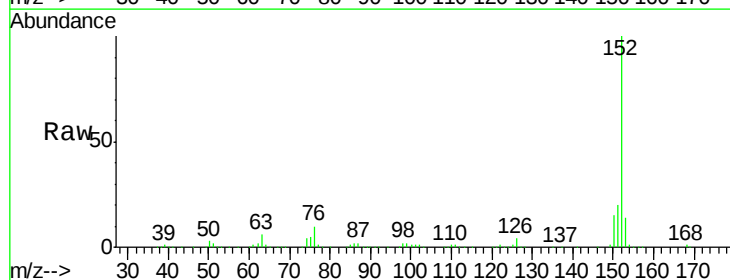
Instrument :
BNA_F
ClientSampleId :
UST-3MS

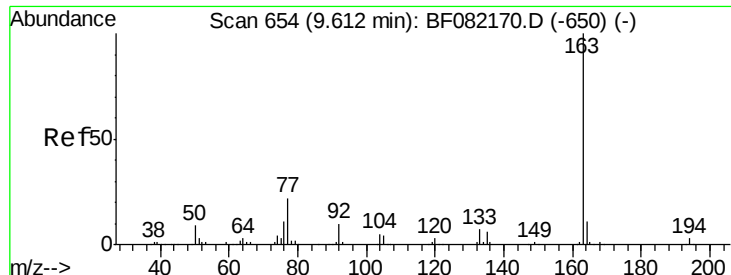
Tot Ion: 65 Resp: 117311
Ion Ratio Lower Upper
65 100
92 76.1 52.3 78.5
138 133.7 72.2 108.4#



#48
Acenaphthylene
Concen: 43.86 ng
RT: 9.74 min Scan# 665
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion: 152 Resp: 604430
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 13.5 10.8 16.2





#49

Dimethylphthalate

Concen: 54.67 ng

RT: 9.60 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

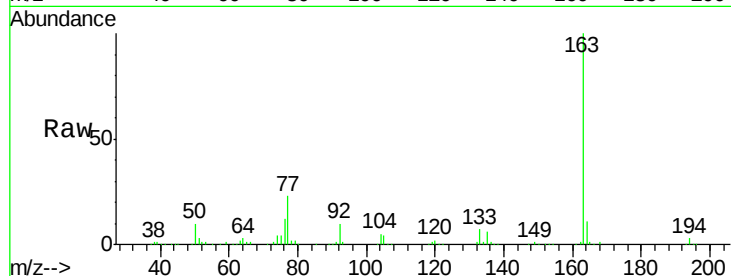
Tot Ion:163 Resp: 567358

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

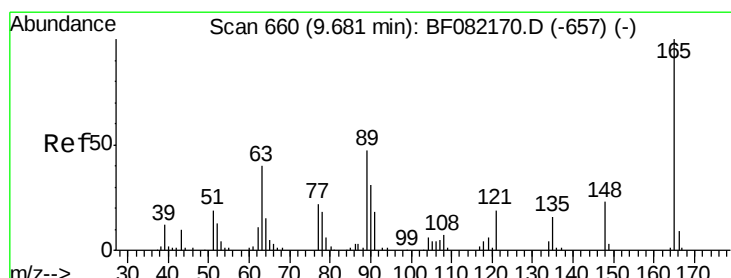
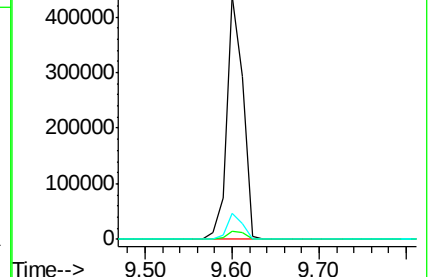
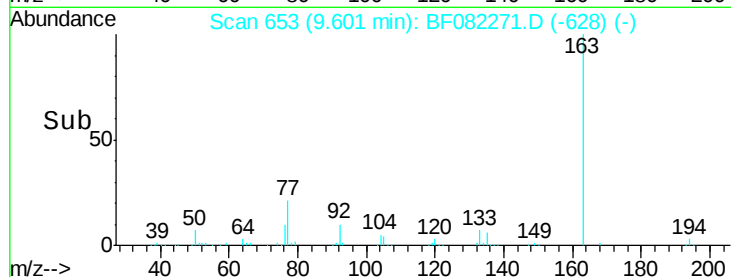
164 10.6 8.5 12.7



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: 44.89 ng

RT: 9.67 min Scan# 659

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

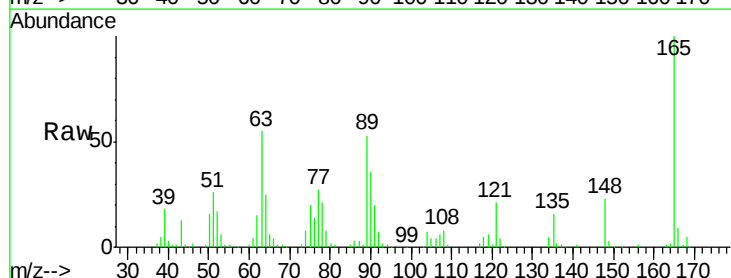
Tgt Ion:165 Resp: 98295

Ion Ratio Lower Upper

165 100

63 54.5 36.7 55.1

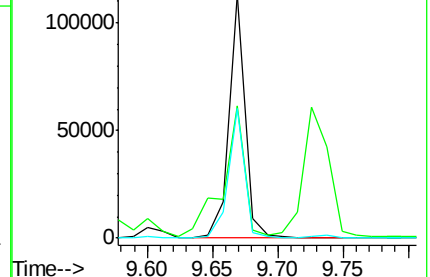
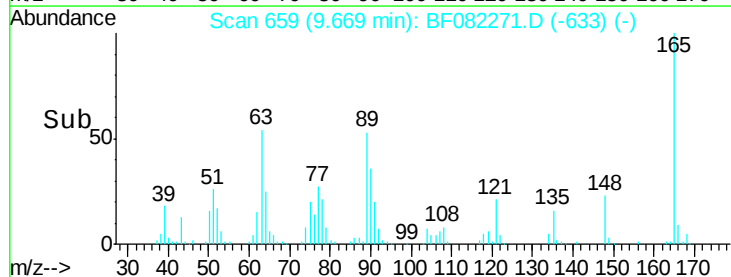
89 53.2 37.8 56.6

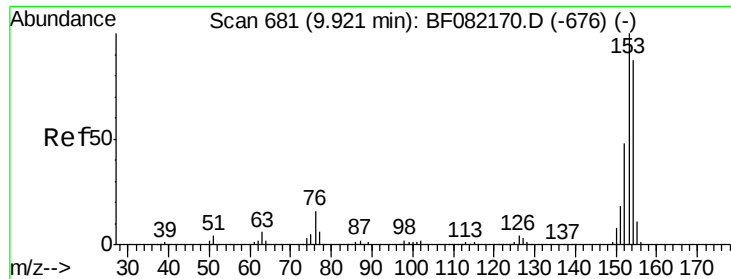


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 43.55 ng

RT: 9.91 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

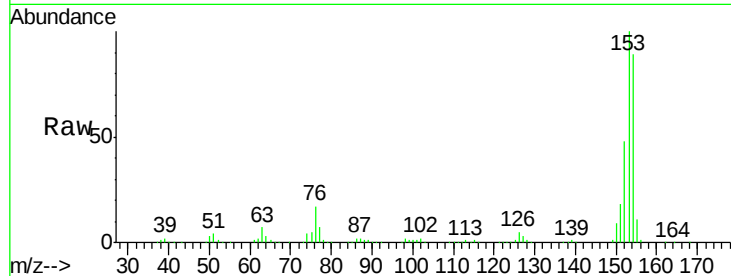
Tot Ion:154 Resp: 360280

Ion Ratio Lower Upper

154 100

153 113.0 91.4 137.2

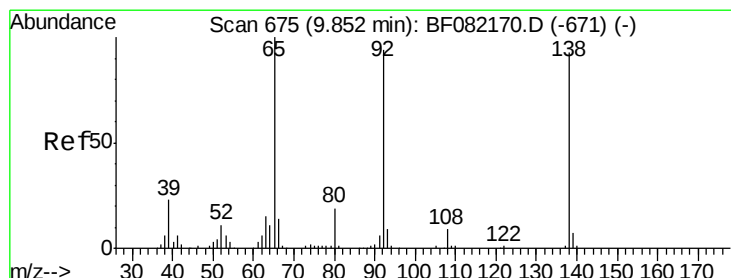
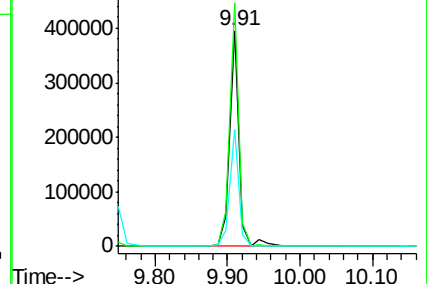
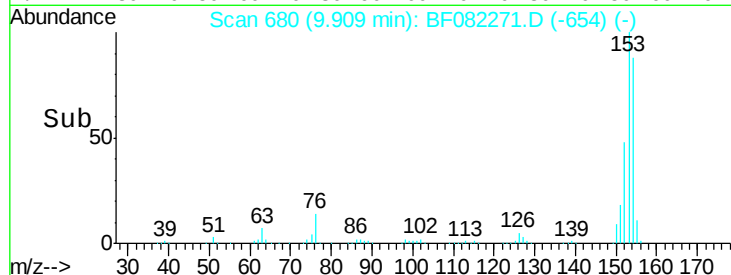
152 54.3 44.3 66.5



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: 27.39 ng

RT: 9.84 min Scan# 674

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

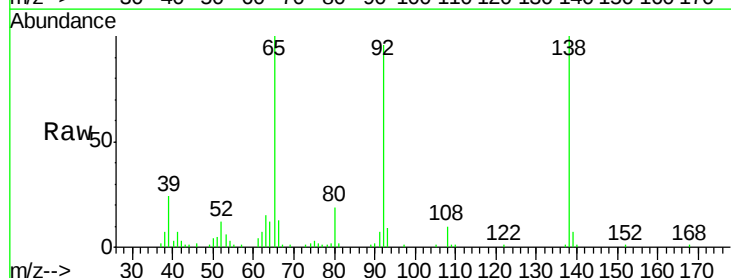
Tgt Ion:138 Resp: 67753

Ion Ratio Lower Upper

138 100

108 9.7 7.4 11.0

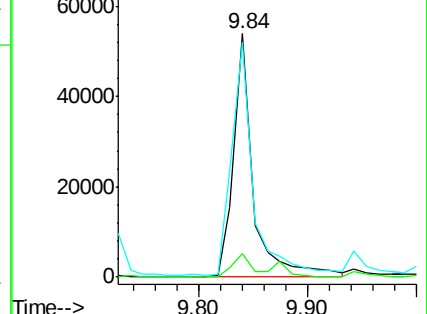
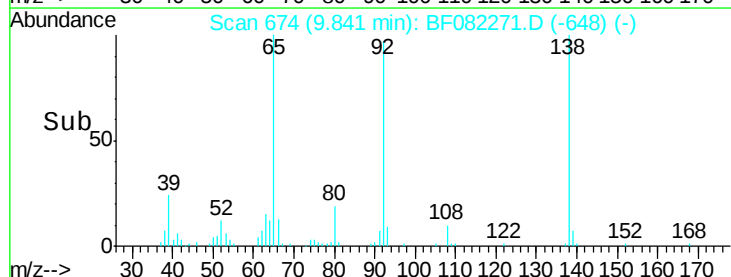
92 96.5 81.3 121.9



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

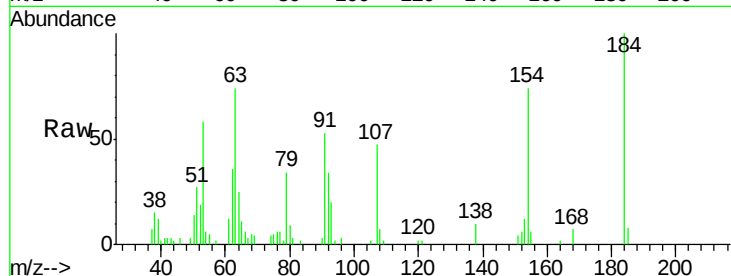




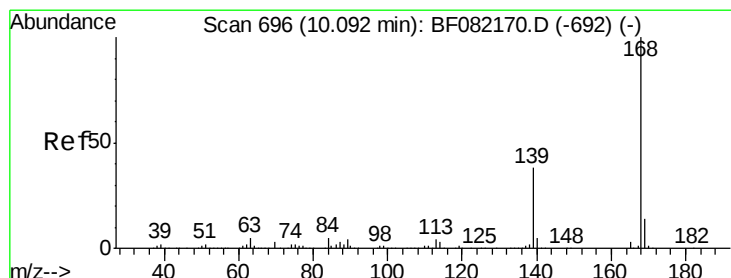
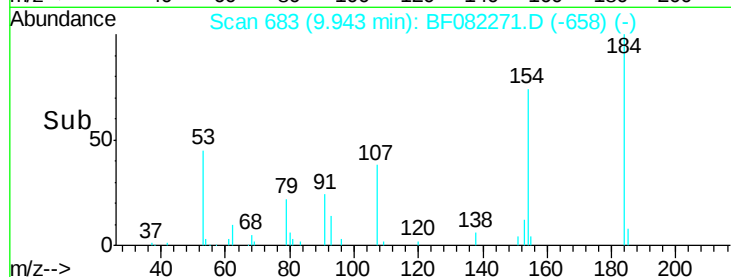
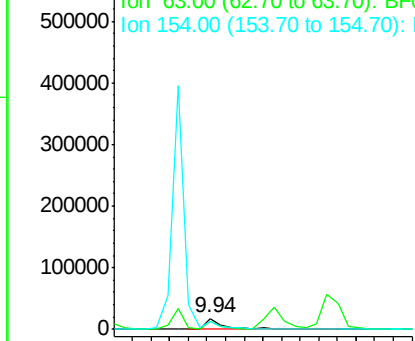
#53
2,4-Dinitrophenol
Concen: 25.82 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Instrument :
BNA_F
ClientSampleId :
UST-3MS

Tot Ion:184 Resp: 25830
Ion Ratio Lower Upper
184 100
63 73.9 45.1 67.7#
154 73.8 51.2 76.8

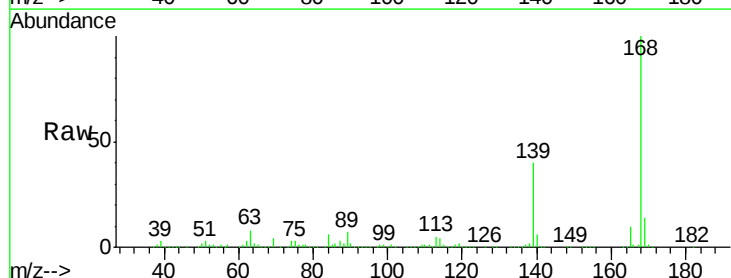


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

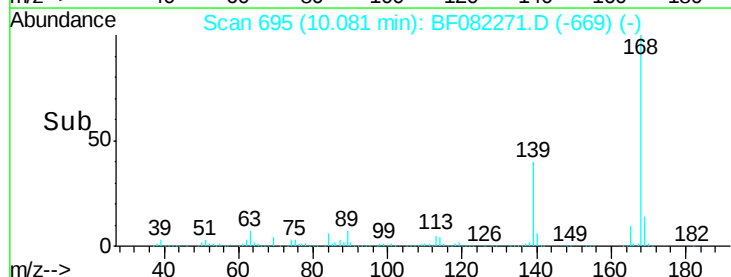
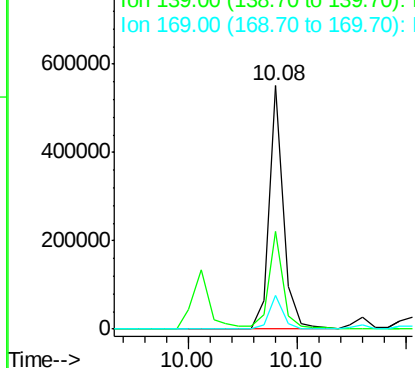


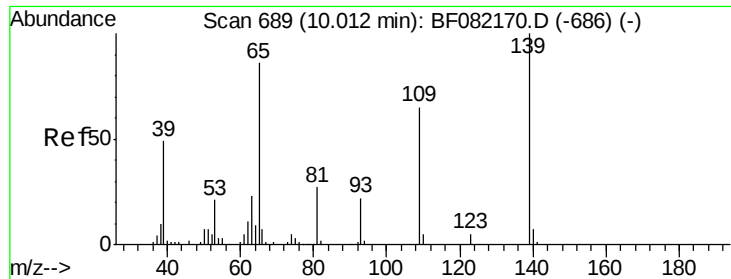
#54
Dibenzofuran
Concen: 44.68 ng
RT: 10.08 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:168 Resp: 507520
Ion Ratio Lower Upper
168 100
139 40.3 31.0 46.6
169 13.7 10.9 16.3



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

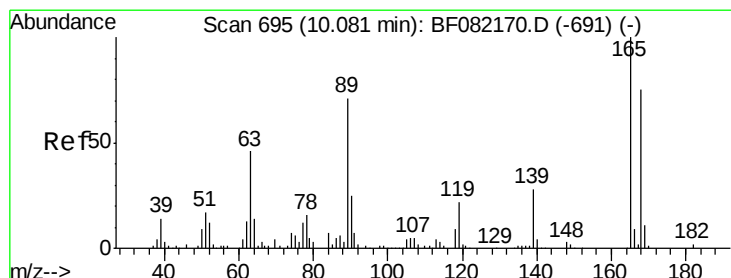
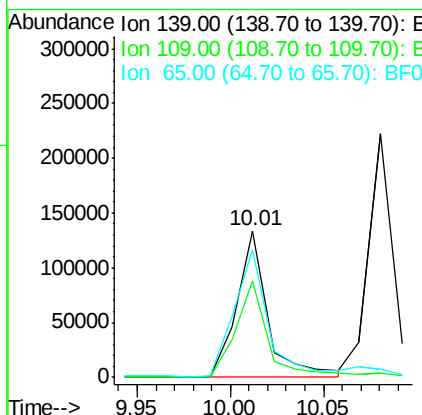
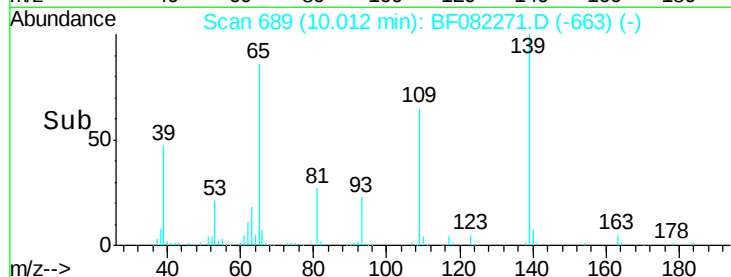
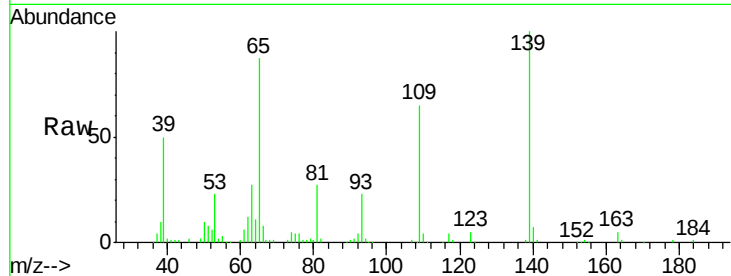




#55
4-Nitrophenol
Concen: 87.59 ng
RT: 10.01 min Scan# 689
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

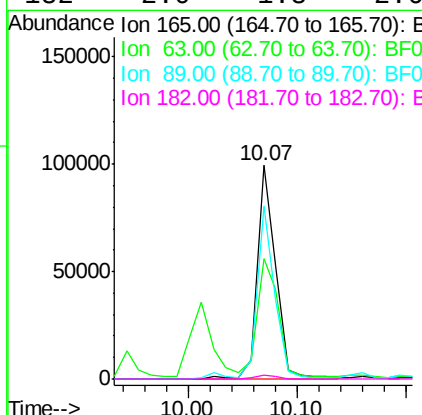
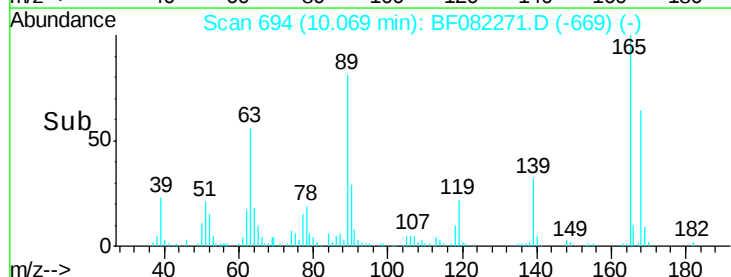
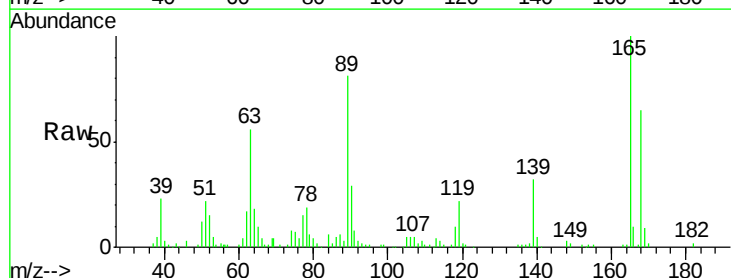
Instrument :
BNA_F
ClientSampleId :
UST-3MS

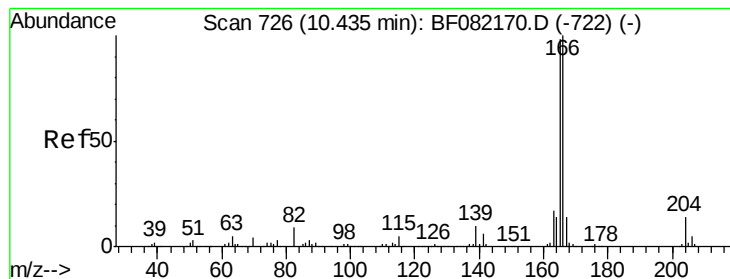
Tot Ion:139 Resp: 155502
Ion Ratio Lower Upper
139 100
109 65.4 44.8 84.8
65 87.0 67.7 107.7



#56
2,4-Dinitrotoluene
Concen: 43.16 ng
RT: 10.07 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:165 Resp: 118124
Ion Ratio Lower Upper
165 100
63 56.4 38.6 58.0
89 80.7 57.0 85.6
182 2.0 1.8 2.6





#57

Fluorene

Concen: 42.78 ng

RT: 10.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampled :

UST-3MS

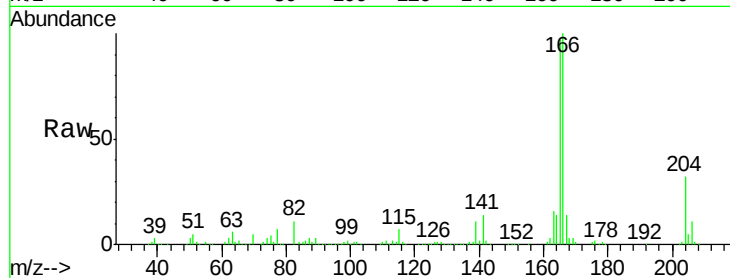
Tot Ion:166 Resp: 399086

Ion Ratio Lower Upper

166 100

165 97.3 78.3 117.5

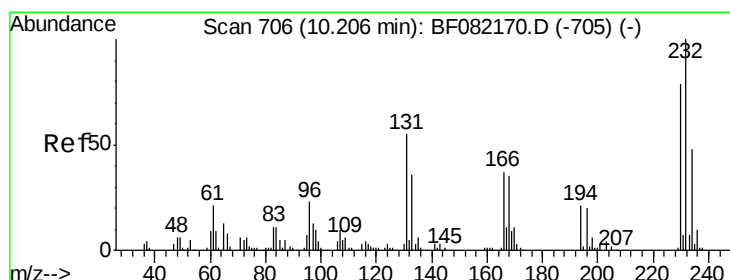
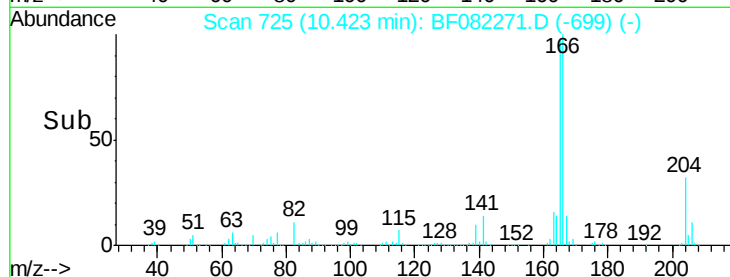
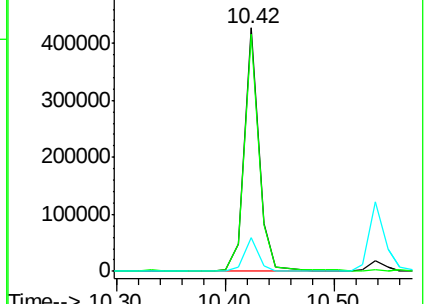
167 13.8 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 44.25 ng

RT: 10.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Tgt Ion:232 Resp: 114024

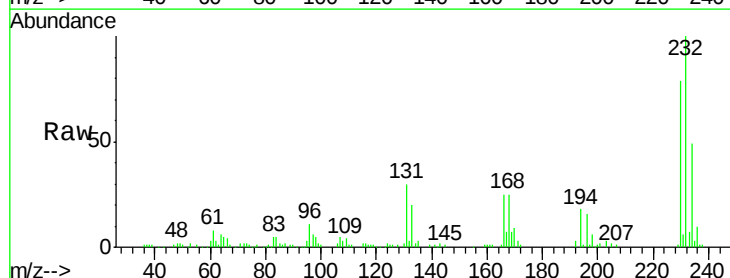
Ion Ratio Lower Upper

232 100

131 41.3 36.6 54.8

130 2.2 1.5 2.3

166 28.9 24.6 37.0

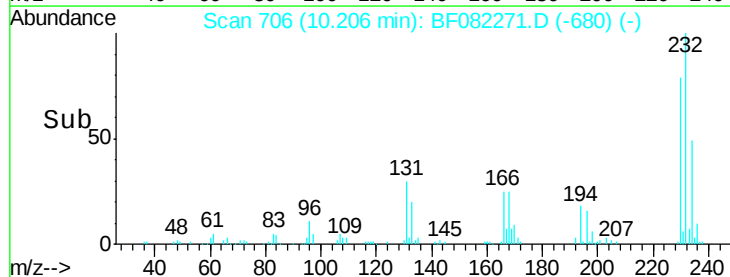
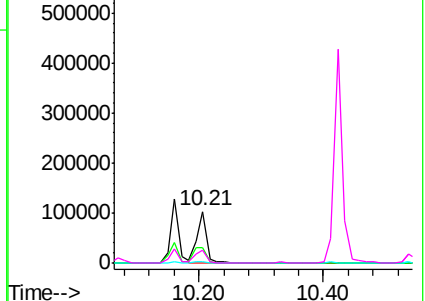


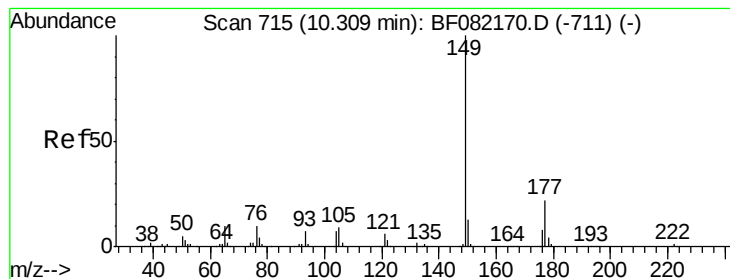
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 41.45 ng

RT: 10.30 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

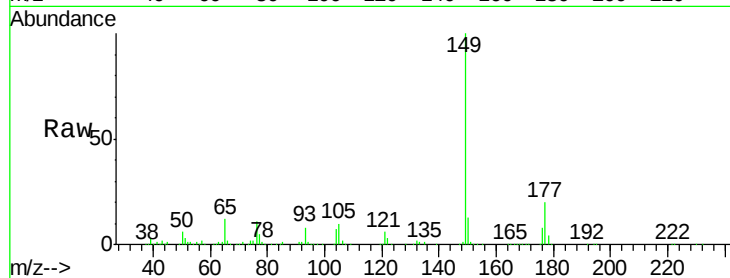
Tot Ion:149 Resp: 400931

Ion Ratio Lower Upper

149 100

177 20.3 17.6 26.4

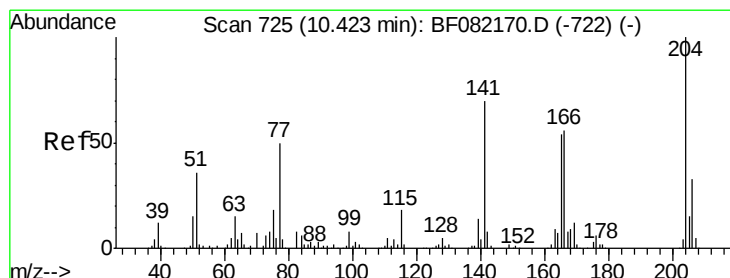
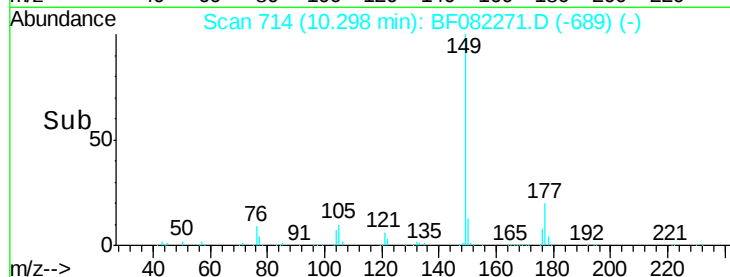
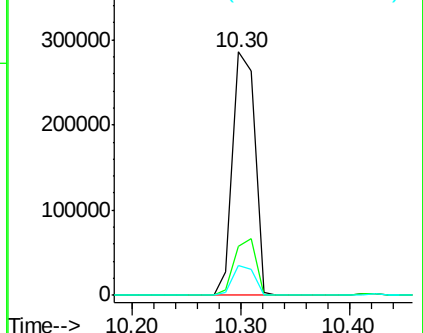
150 12.5 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 41.59 ng

RT: 10.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

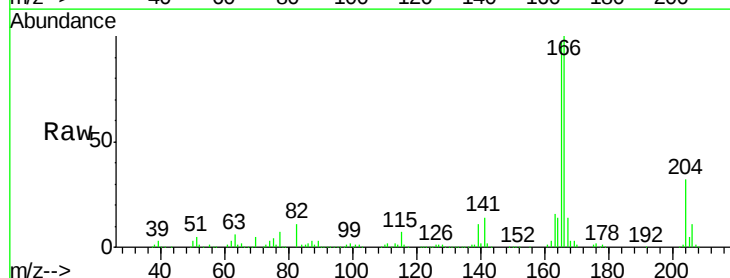
Tgt Ion:204 Resp: 177730

Ion Ratio Lower Upper

204 100

206 34.7 26.8 40.2

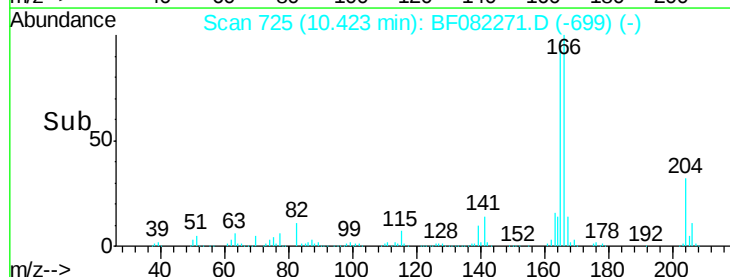
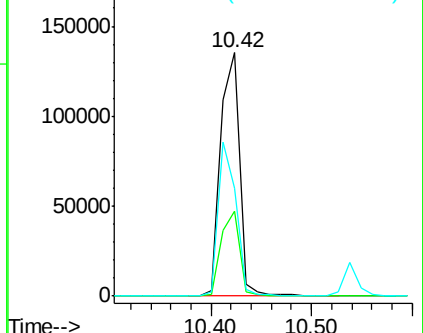
141 44.4 56.1 84.1#

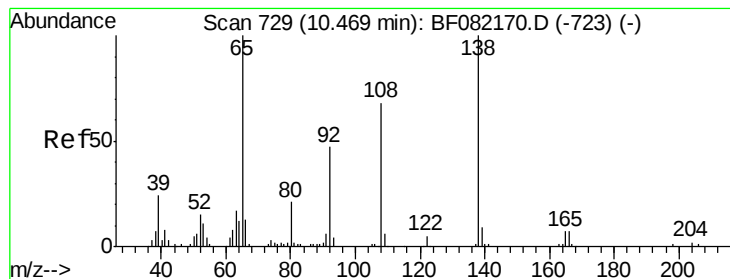


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.12 ng

RT: 10.46 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

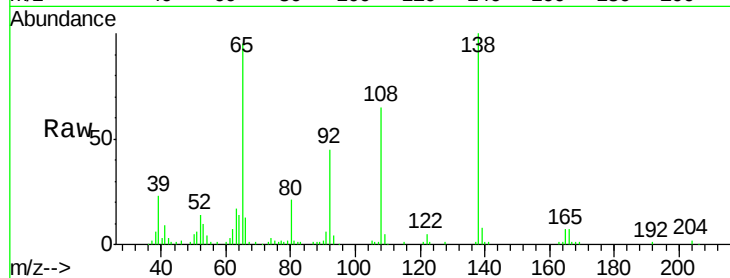
Tot Ion:138 Resp: 98647

Ion Ratio Lower Upper

138 100

92 44.6 26.8 66.8

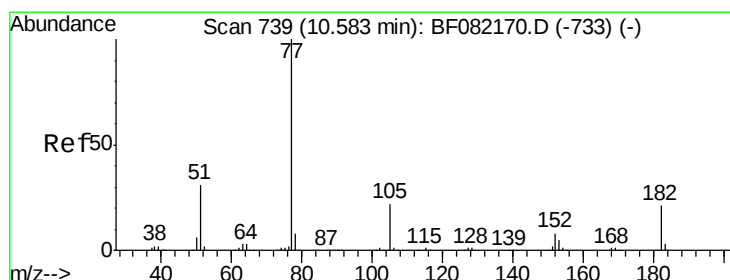
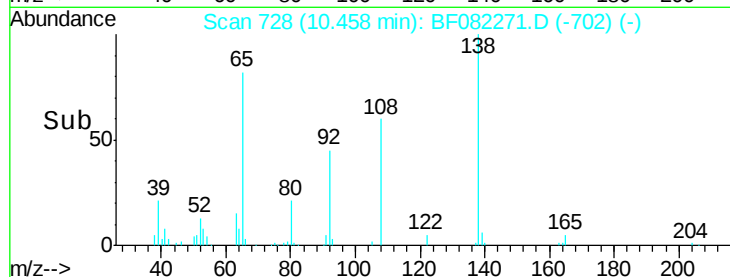
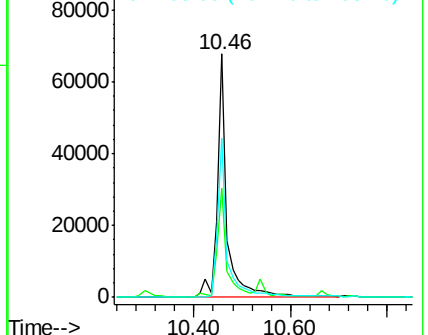
108 65.4 48.4 88.4



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: 41.71 ng

RT: 10.57 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Tgt Ion: 77 Resp: 394889

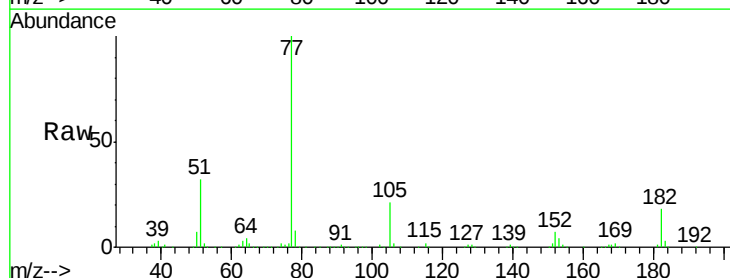
Ion Ratio Lower Upper

77 100

182 17.7 0.5 40.5

105 20.9 1.8 41.8

51 32.5 11.2 51.2

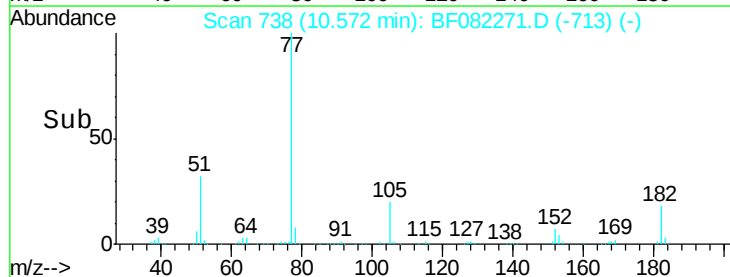
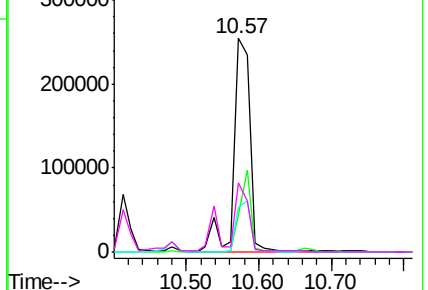


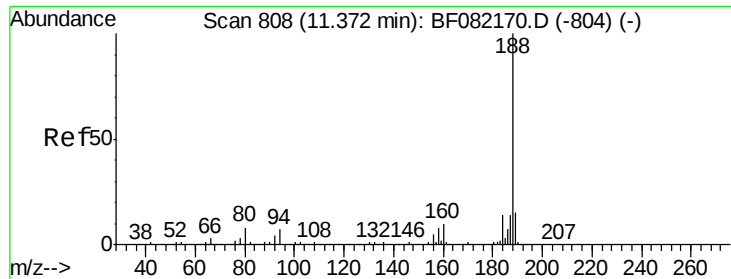
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

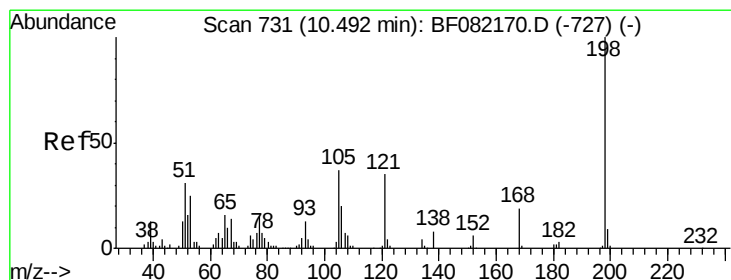
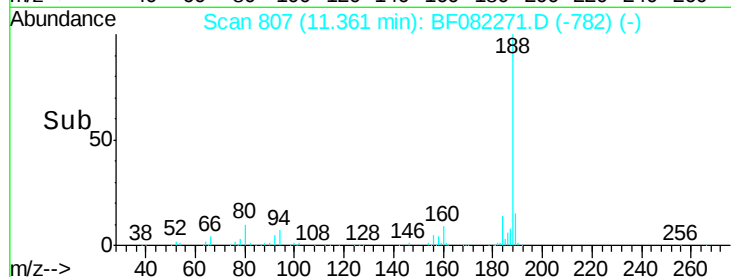
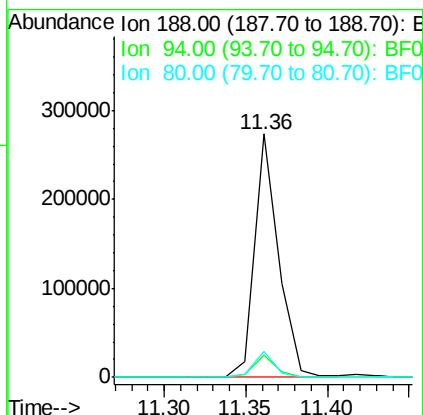
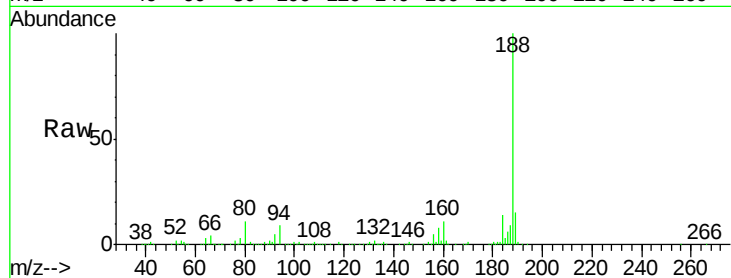




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

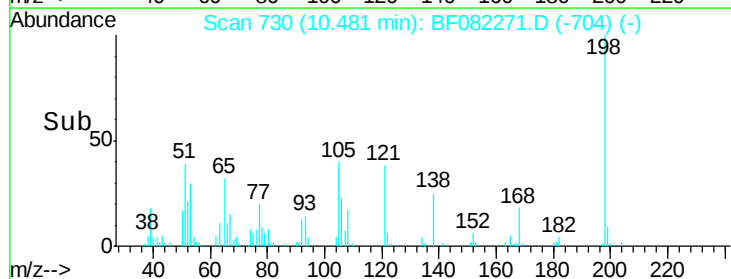
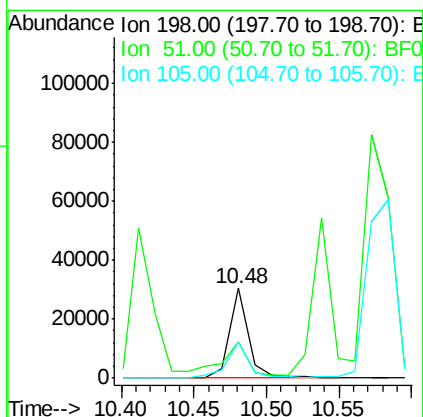
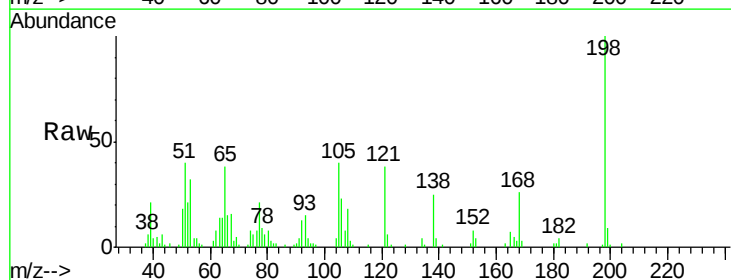
Instrument :
BNA_F
ClientSampleId :
UST-3MS

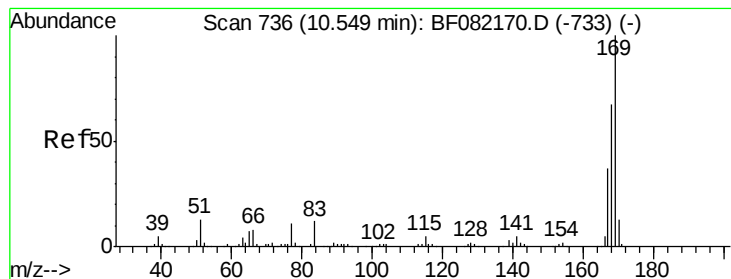
Tot Ion:188 Resp: 279884
Ion Ratio Lower Upper
188 100
94 9.3 5.8 8.6#
80 10.5 6.4 9.6#



#64
4,6-Dinitro-2-methylphenol
Concen: 17.62 ng
RT: 10.48 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:198 Resp: 27675
Ion Ratio Lower Upper
198 100
51 40.1 13.6 53.6
105 40.2 17.1 57.1

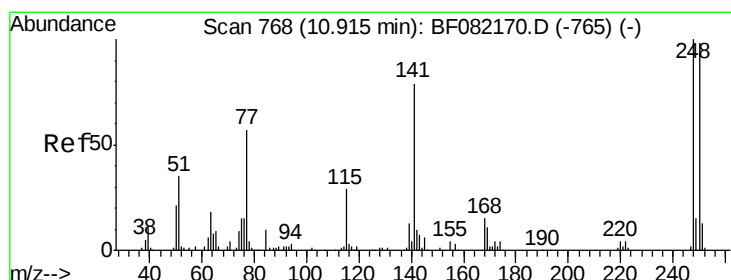
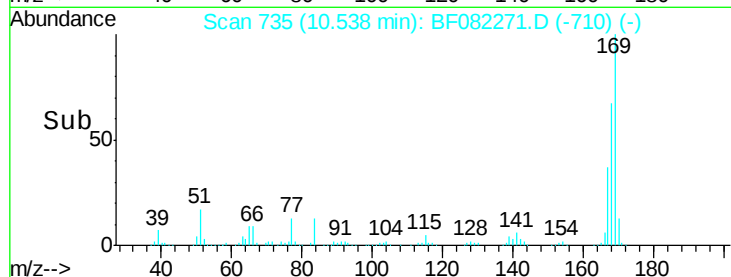
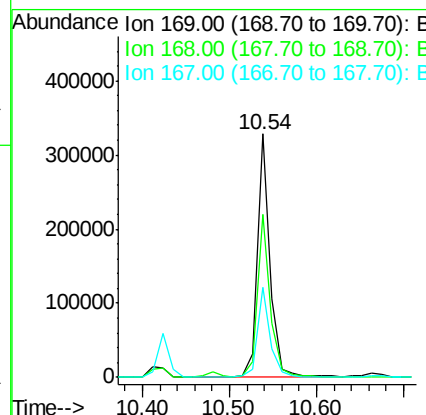
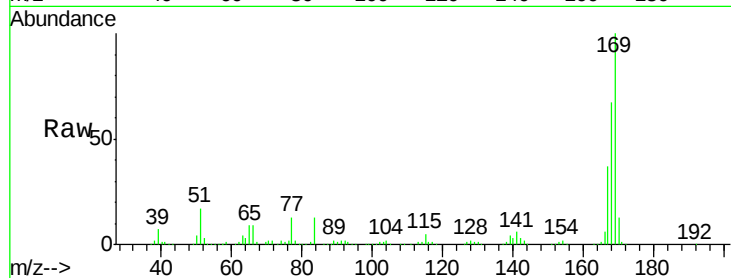




#65
n-Nitrosodiphenylamine
Concen: 40.11 ng
RT: 10.54 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

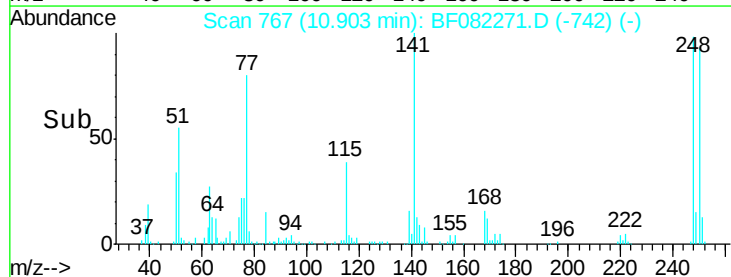
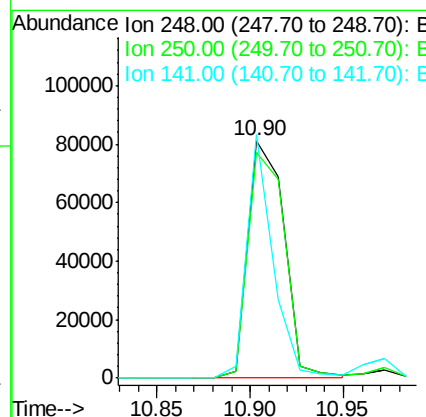
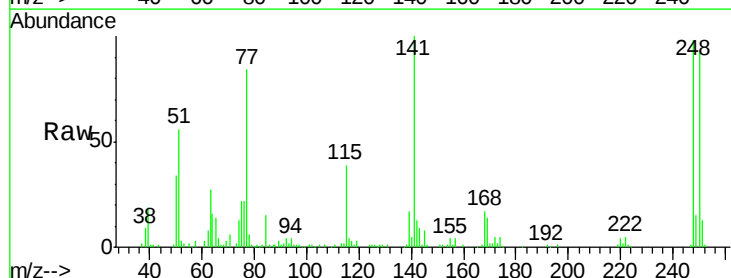
Instrument :
BNA_F
ClientSampleId :
UST-3MS

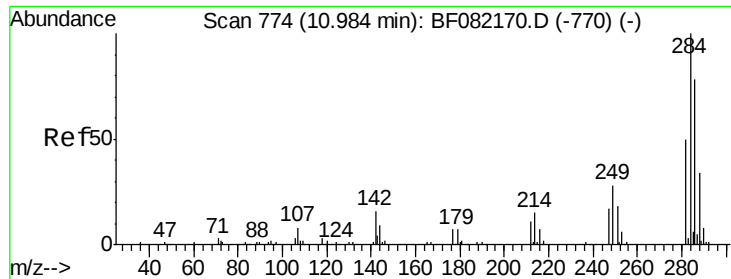
Tot Ion:169 Resp: 336095
Ion Ratio Lower Upper
169 100
168 67.2 54.0 81.0
167 36.9 29.6 44.4



#66
4-Bromophenyl-phenylether
Concen: 39.08 ng
RT: 10.90 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:248 Resp: 109467
Ion Ratio Lower Upper
248 100
250 94.9 78.6 117.8
141 102.4 63.3 94.9#

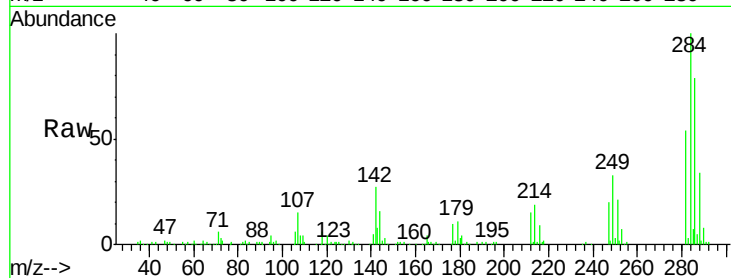




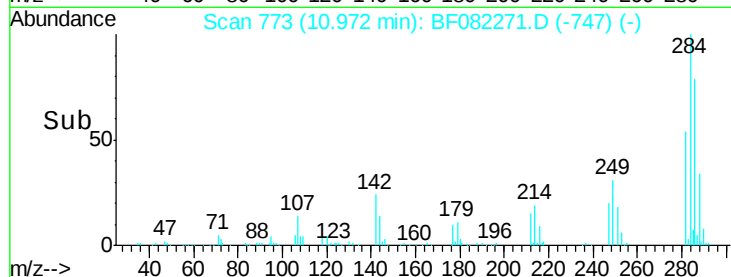
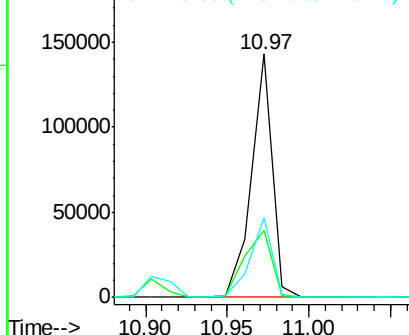
#67
Hexachlorobenzene
Concen: 41.80 ng
RT: 10.97 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Instrument :
BNA_F
ClientSampleId :
UST-3MS

Tot Ion:284 Resp: 126622
Ion Ratio Lower Upper
284 100
142 27.4 13.0 19.6#
249 33.0 22.5 33.7

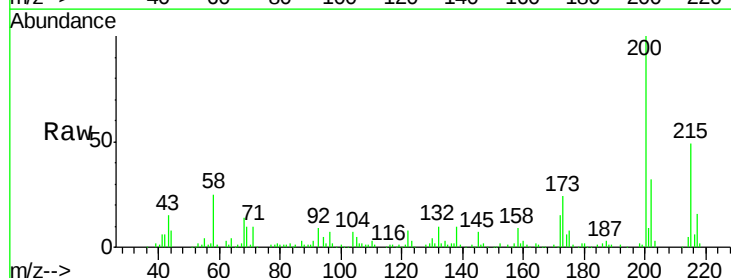


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

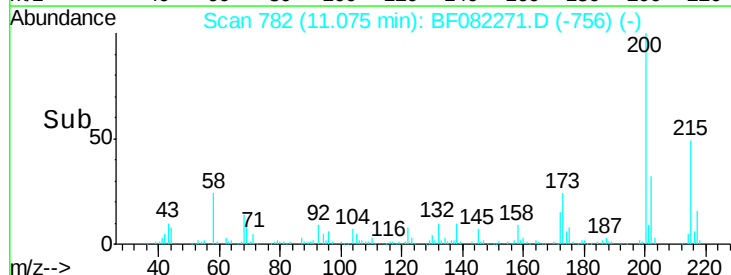
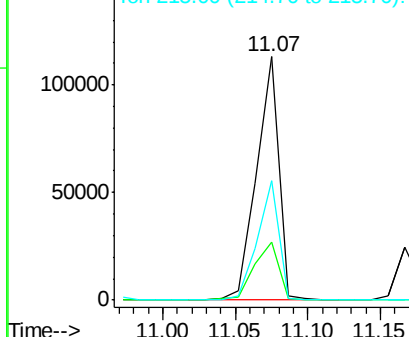


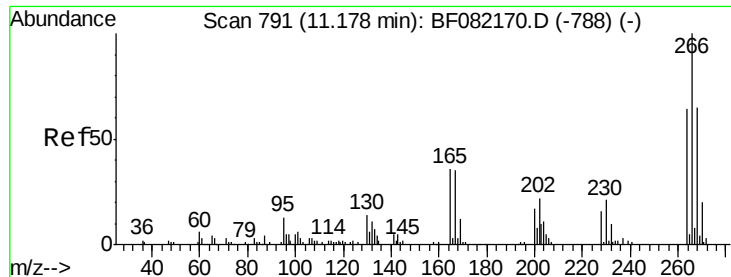
#68
Atrazine
Concen: 45.20 ng
RT: 11.07 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion:200 Resp: 119988
Ion Ratio Lower Upper
200 100
173 23.7 7.3 47.3
215 49.0 26.2 66.2



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

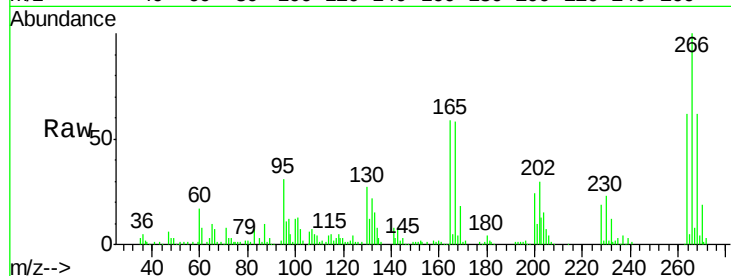




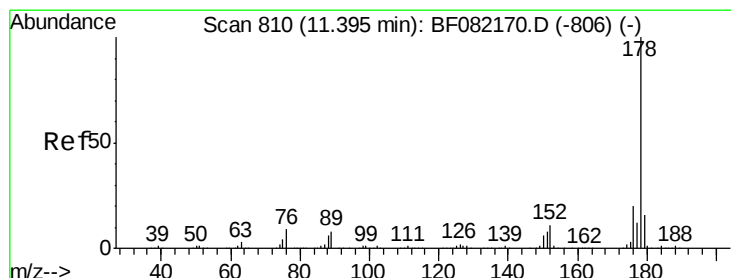
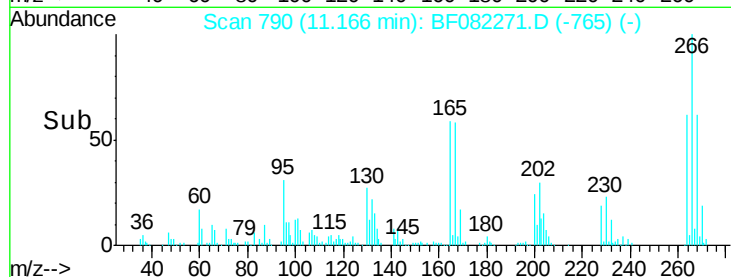
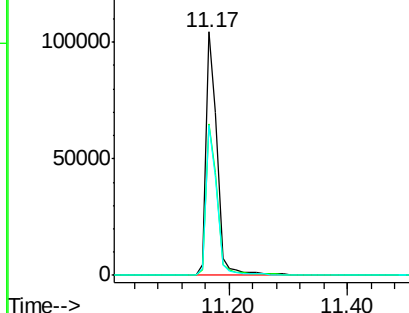
#69
 Pentachlorophenol
 Concen: 88.09 ng
 RT: 11.17 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

Tot Ion:266 Resp: 137316
 Ion Ratio Lower Upper
 266 100
 268 62.0 52.0 78.0
 264 61.6 51.4 77.0

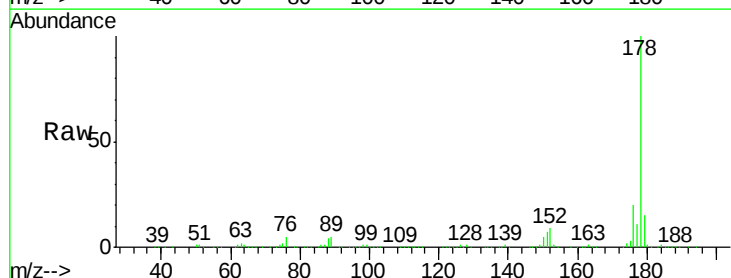


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

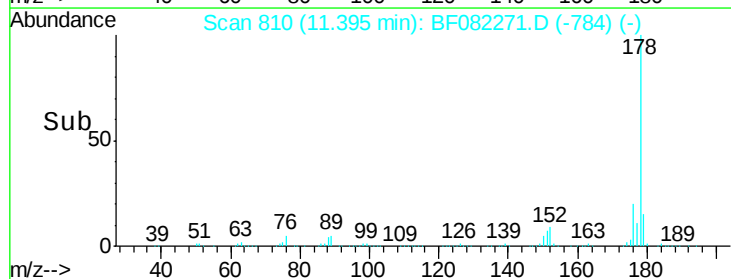
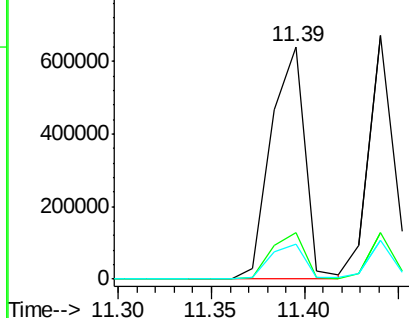


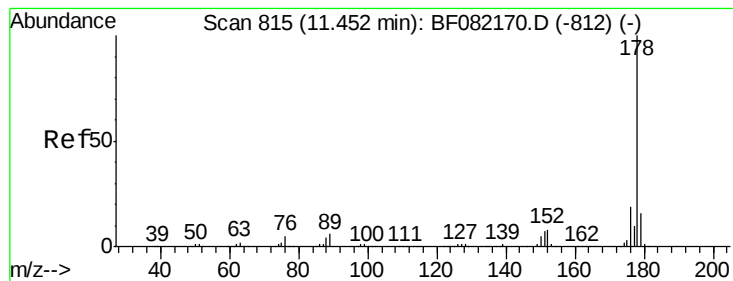
#70
 Phenanthrene
 Concen: 58.65 ng
 RT: 11.39 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion:178 Resp: 804656
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.0 24.0
 179 15.3 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





#71

Anthracene

Concen: 45.34 ng

RT: 11.44 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

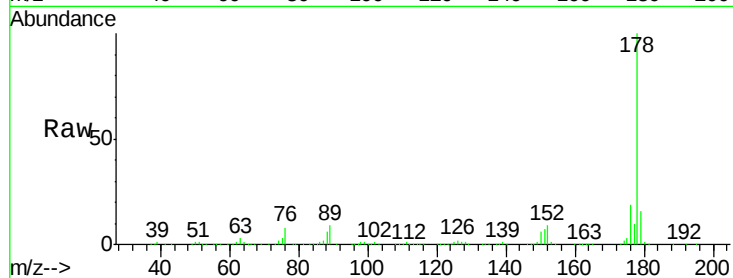
Tot Ion:178 Resp: 640955

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.0

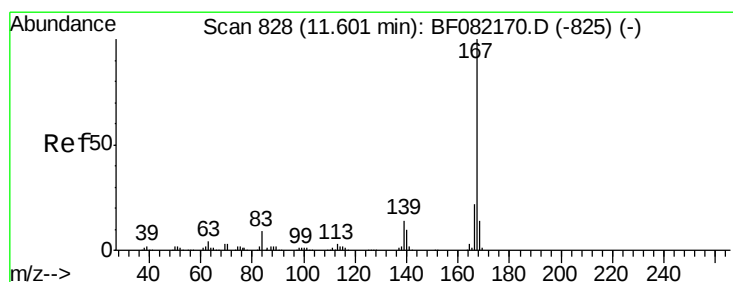
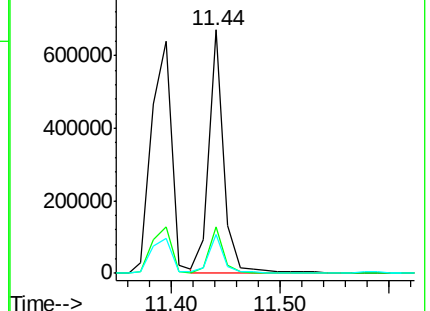
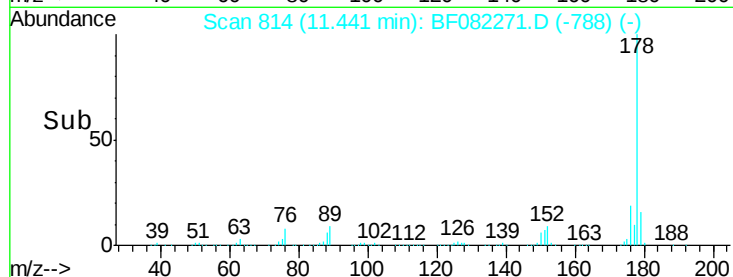
179 15.7 12.5 18.7



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: 44.82 ng

RT: 11.60 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

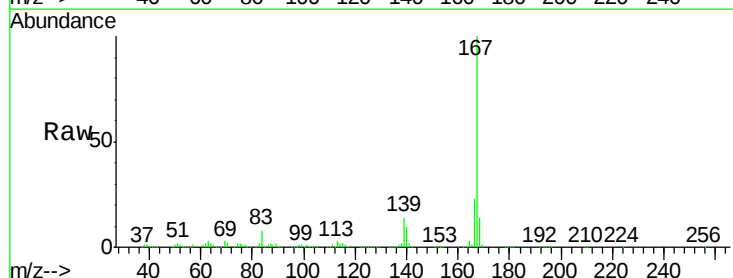
Tgt Ion:167 Resp: 578050

Ion Ratio Lower Upper

167 100

166 22.6 17.3 25.9

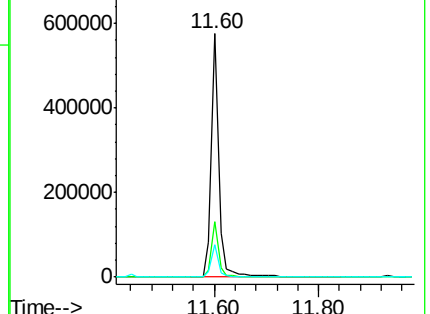
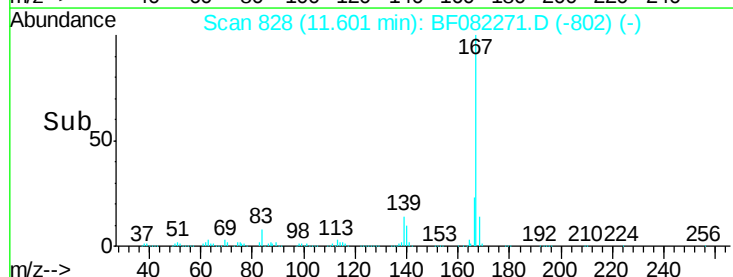
139 13.5 11.2 16.8

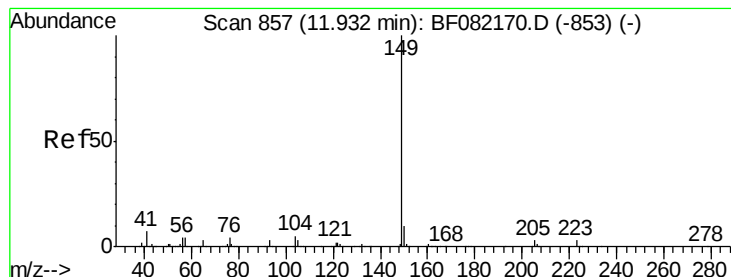


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 41.50 ng

RT: 11.93 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

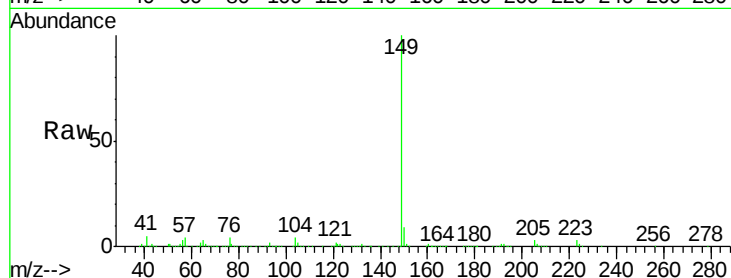
Tot Ion:149 Resp: 660225

Ion Ratio Lower Upper

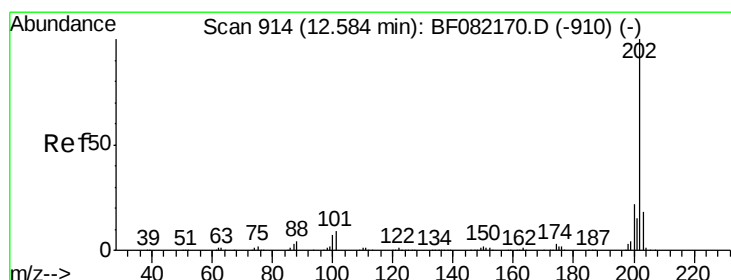
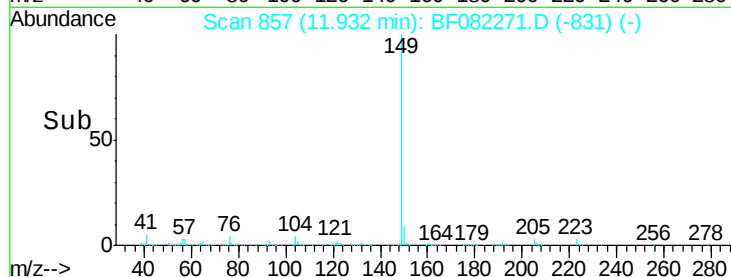
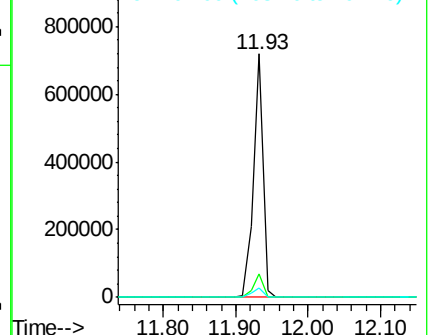
149 100

150 9.5 7.8 11.6

104 4.1 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 60.98 ng

RT: 12.58 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

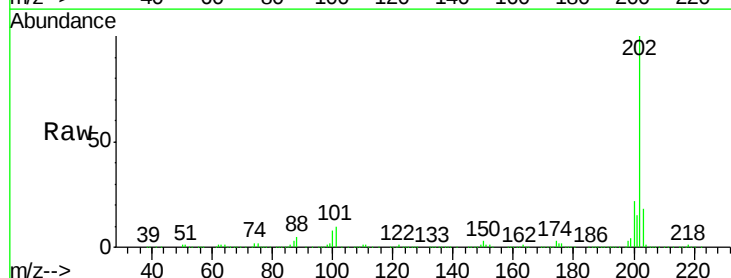
Tgt Ion:202 Resp: 898555

Ion Ratio Lower Upper

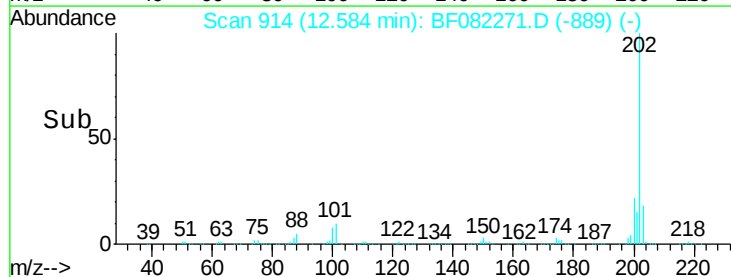
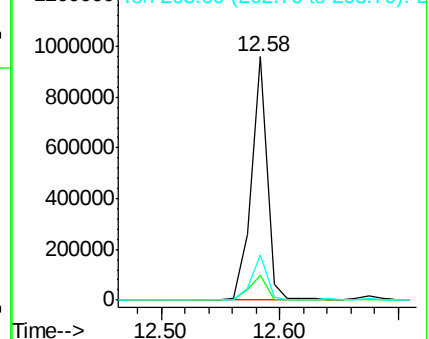
202 100

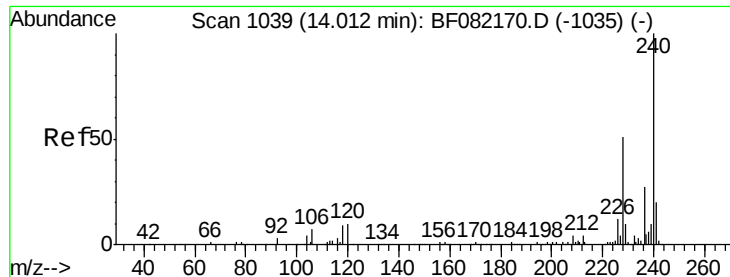
101 10.1 0.0 29.3

203 18.3 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 1041

Delta R.T. -0.10 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

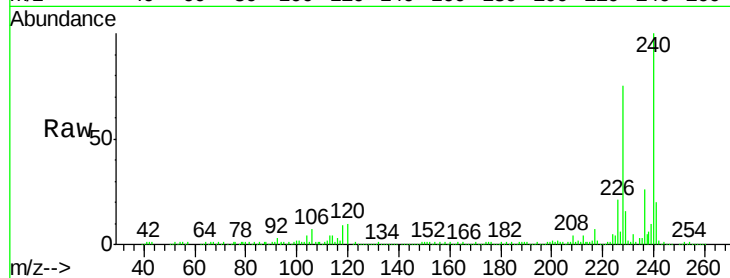
Tot Ion:240 Resp: 231357

Ion Ratio Lower Upper

240 100

120 10.1 8.1 12.1

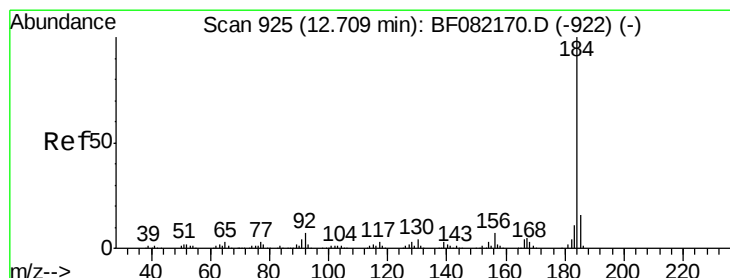
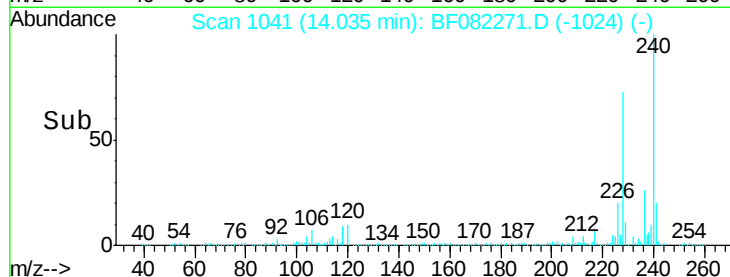
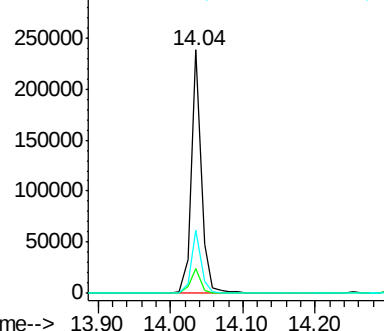
236 26.0 21.3 31.9



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



#76

Benzidine

Concen: 23.12 ng

RT: 12.71 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

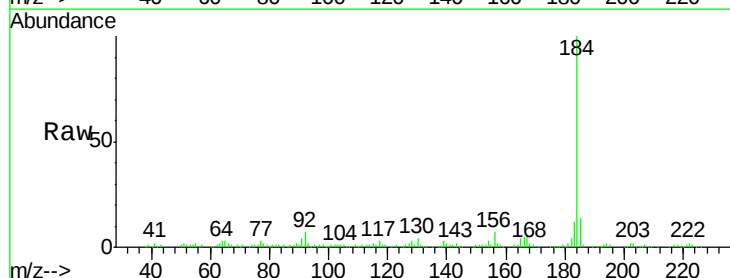
Tgt Ion:184 Resp: 155033

Ion Ratio Lower Upper

184 100

185 13.6 12.5 18.7

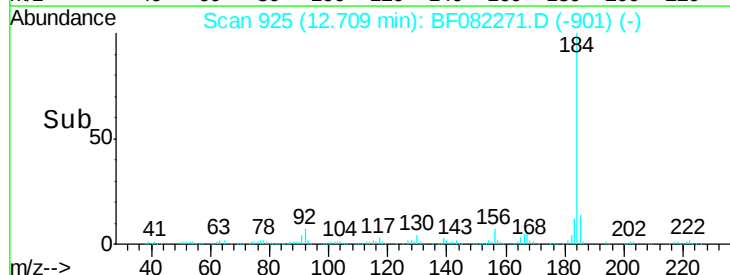
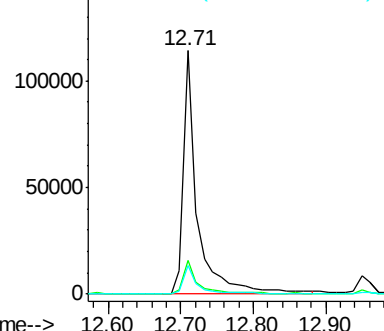
183 11.5 9.1 13.7

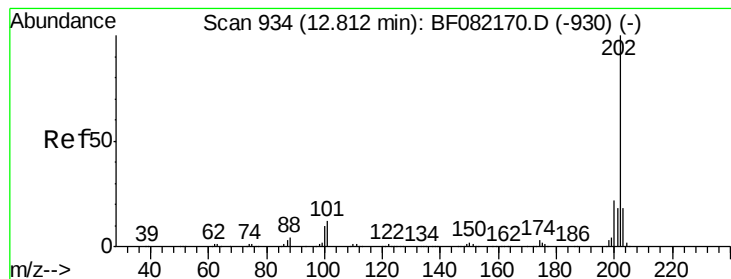


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 64.11 ng

RT: 12.81 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

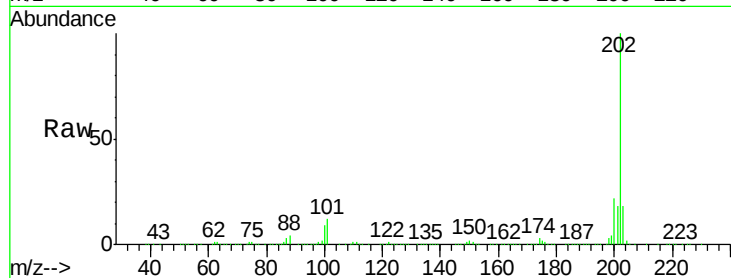
Tot Ion:202 Resp: 880210

Ion Ratio Lower Upper

202 100

200 22.2 17.9 26.9

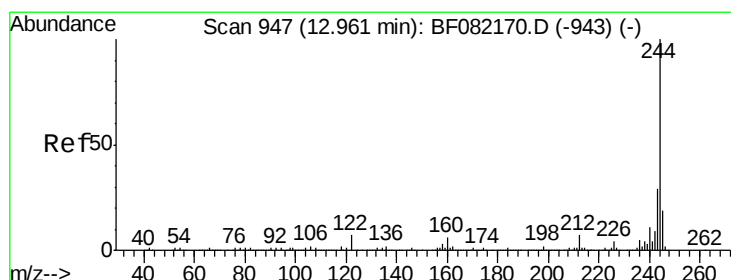
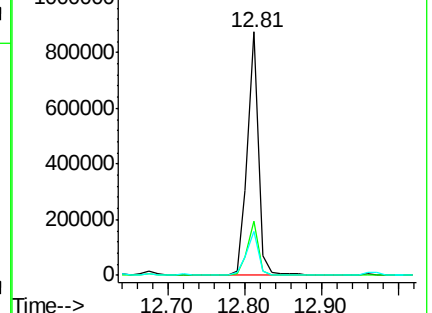
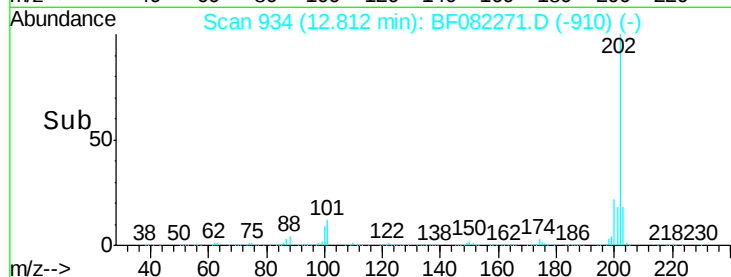
203 18.1 14.5 21.7



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: 80.33 ng

RT: 12.95 min Scan# 946

Delta R.T. -0.03 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

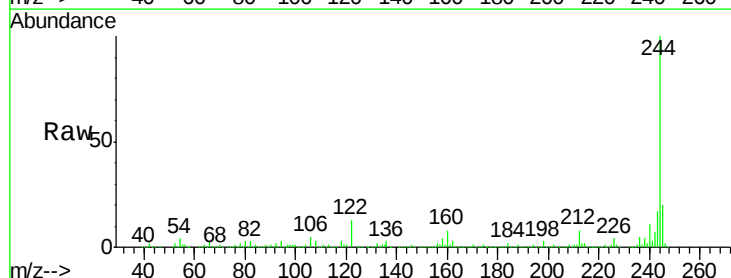
Tgt Ion:244 Resp: 701346

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

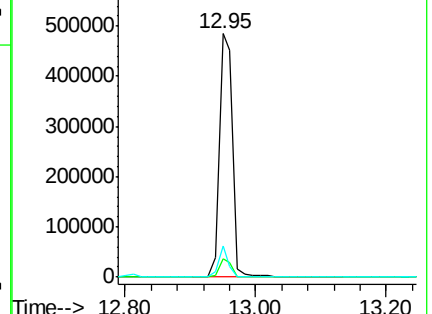
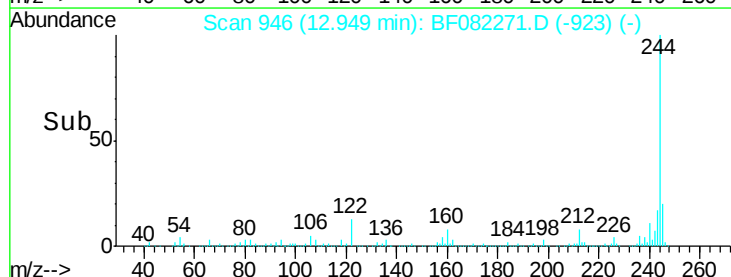
122 13.1 5.9 8.9#



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

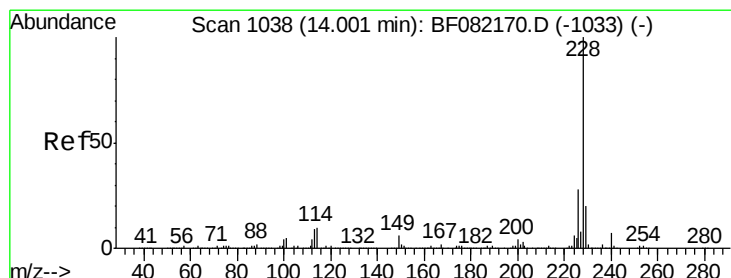
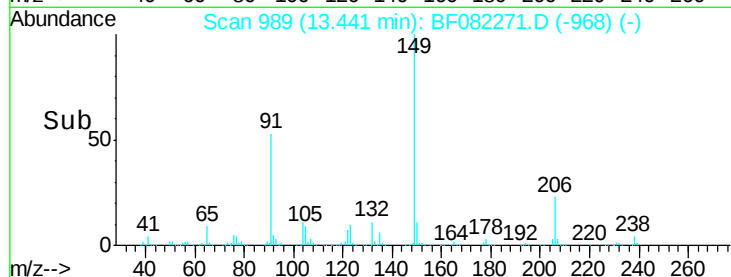
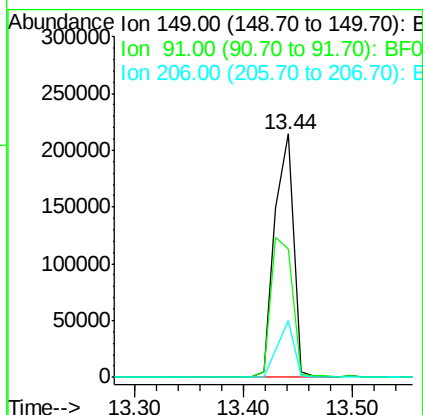
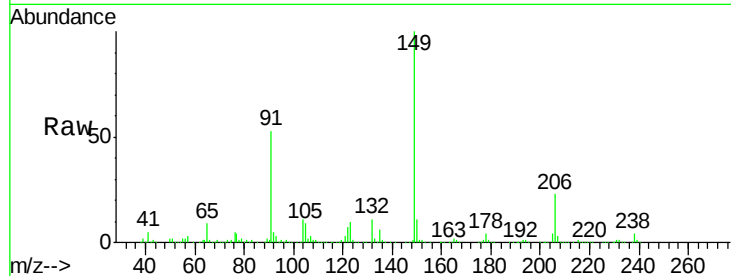




#79
Butylbenzylphthalate
Concen: 40.81 ng
RT: 13.44 min Scan# 989
Delta R.T. -0.06 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

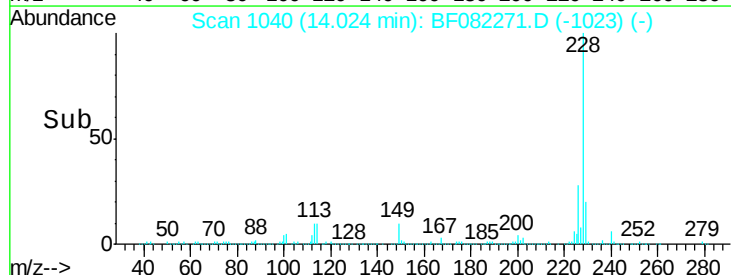
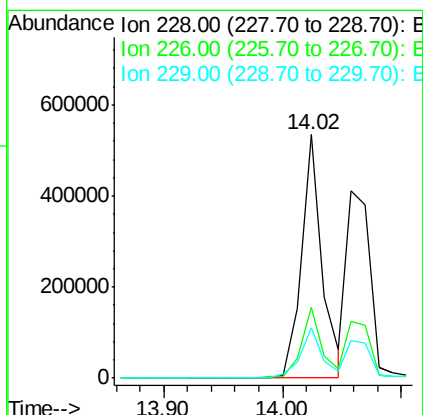
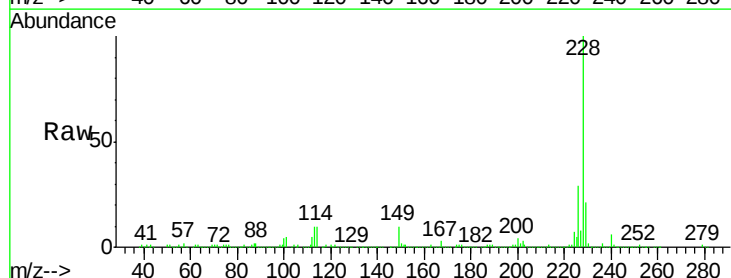
Instrument :
BNA_F
ClientSampleId :
UST-3MS

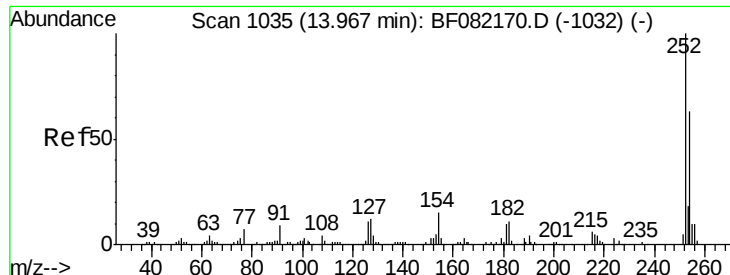
Tot Ion	Ratio	Lower	Upper
149	100		
91	52.8	55.7	83.5#
206	23.5	15.6	23.4#



#80
Benzo(a)anthracene
Concen: 53.37 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.10 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.3	33.5
229	20.8	16.2	24.2

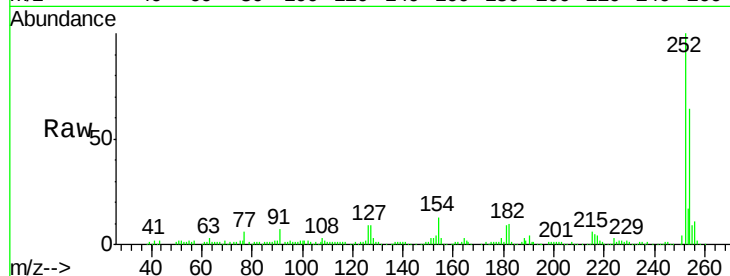




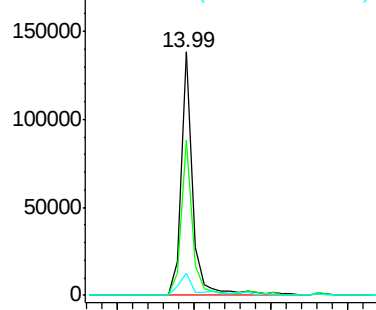
#81
 3,3'-Dichlorobenzidine
 Concen: 31.48 ng
 RT: 13.99 min Scan# 1037
 Delta R.T. -0.10 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

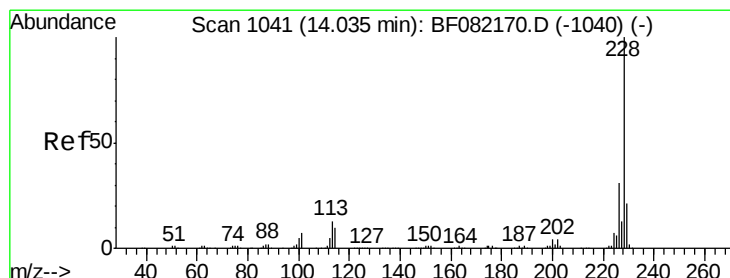
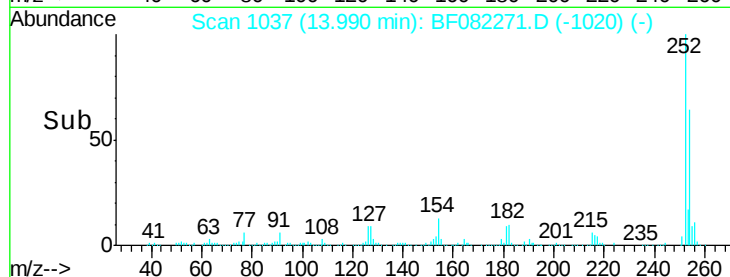
Tot Ion:252 Resp: 143854
 Ion Ratio Lower Upper
 252 100
 254 63.7 50.7 76.1
 126 9.2 9.0 13.6



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

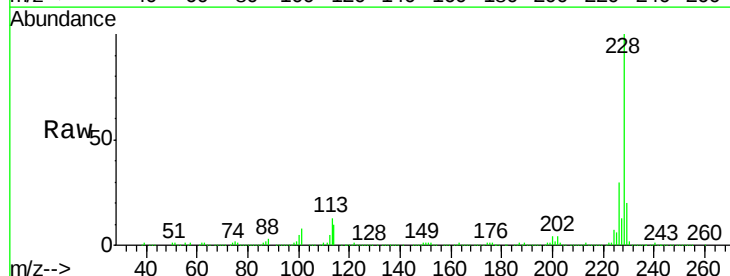


Time-->

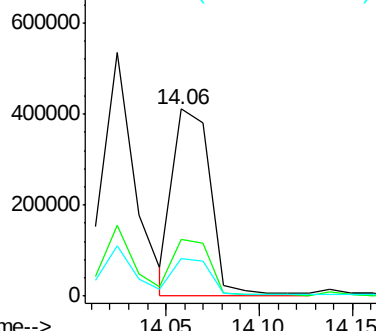


#82
 Chrysene
 Concen: 45.43 ng
 RT: 14.06 min Scan# 1043
 Delta R.T. -0.11 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

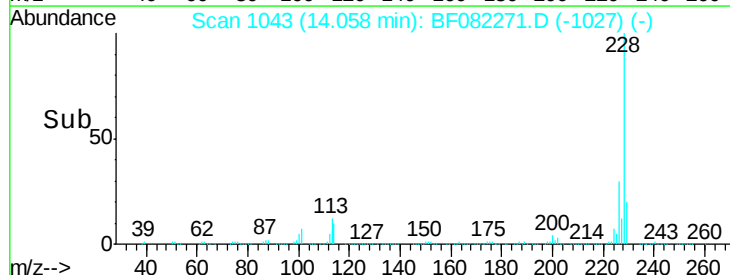
Tgt Ion:228 Resp: 576278
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.4 36.6
 229 20.4 16.3 24.5

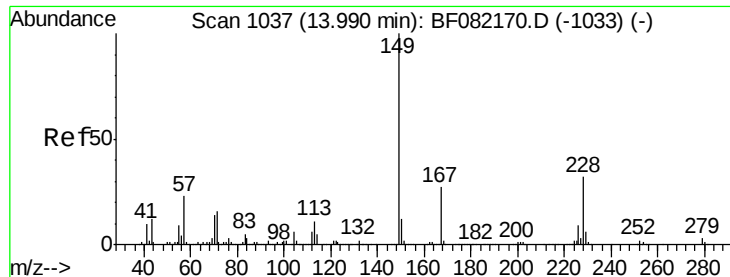


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

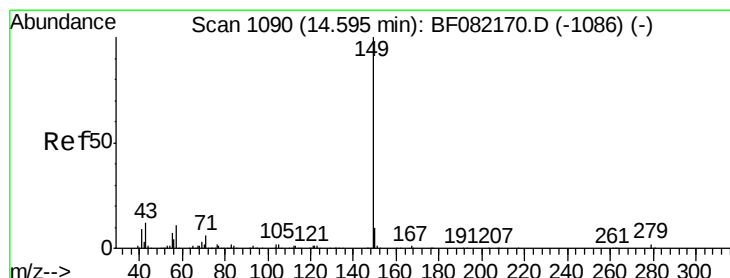
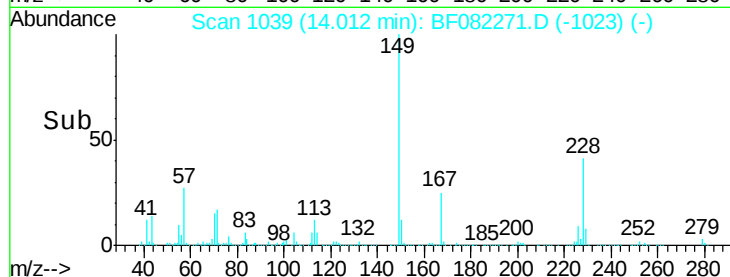
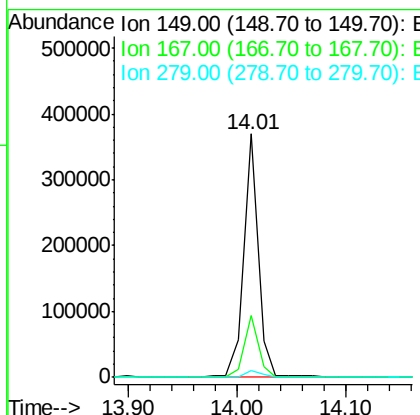
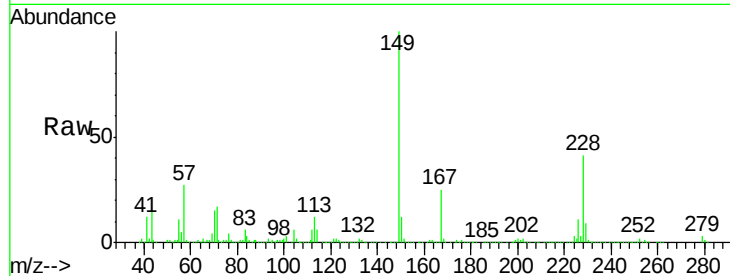




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 37.43 ng
 RT: 14.01 min Scan# 1039
 Delta R.T. -0.11 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

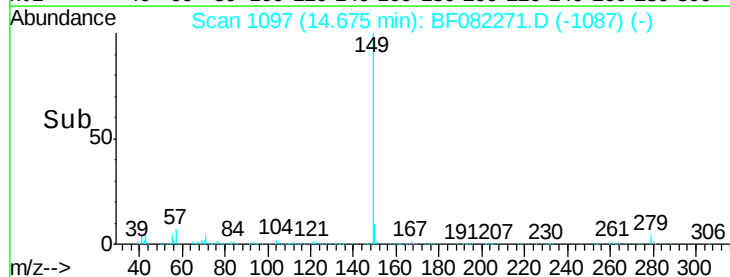
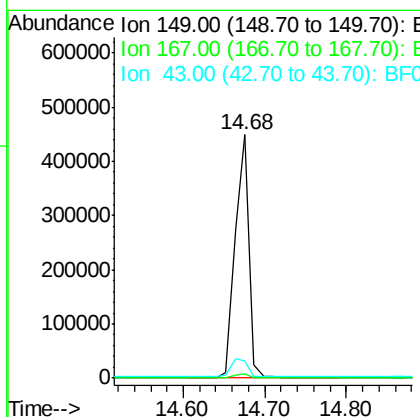
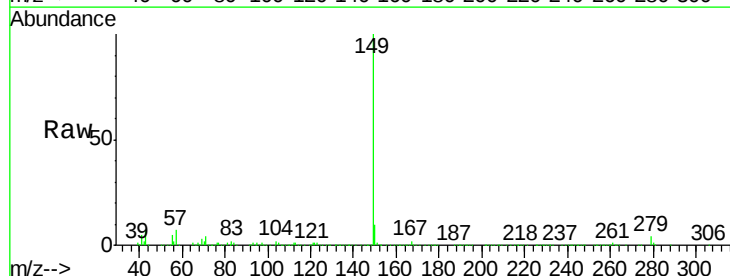
Instrument :
 BNA_F
 ClientSampleId :
 UST-3MS

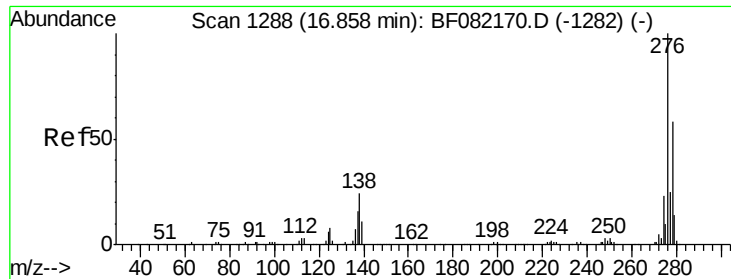
Tot Ion:149 Resp: 334606
 Ion Ratio Lower Upper
 149 100
 167 25.3 21.3 31.9
 279 2.7 2.6 4.0



#84
 Di-n-octyl phthalate
 Concen: 34.16 ng
 RT: 14.68 min Scan# 1097
 Delta R.T. -0.18 min
 Lab File: BF082271.D
 Acq: 13 Oct 2015 23:22

Tgt Ion:149 Resp: 524377
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.3 1.9
 43 9.1 7.4 11.2

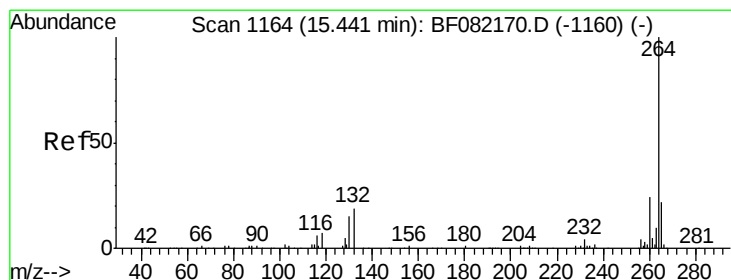
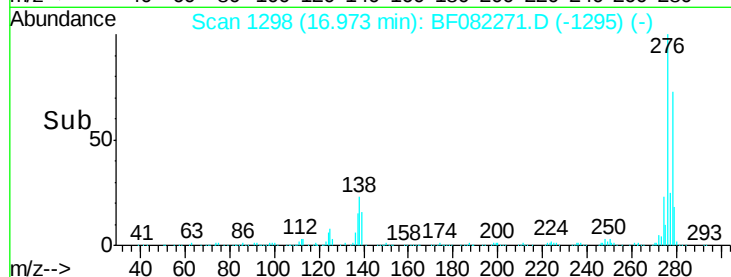
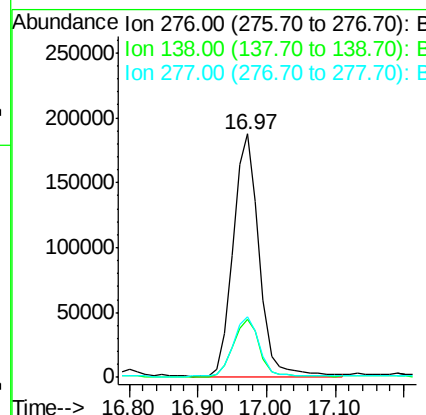
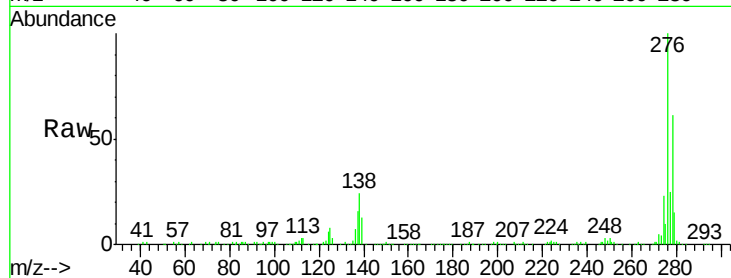




#85
Indeno(1,2,3-cd)pyrene
Concen: 49.07 ng
RT: 16.97 min Scan# 1298
Delta R.T. -0.26 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

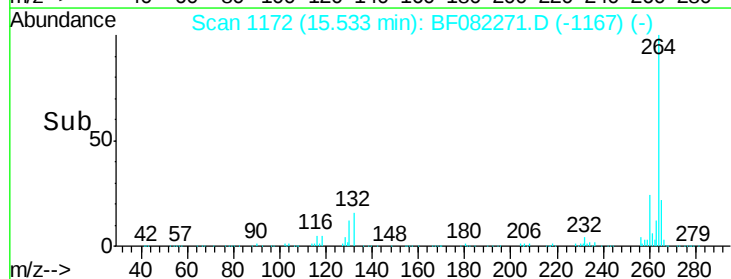
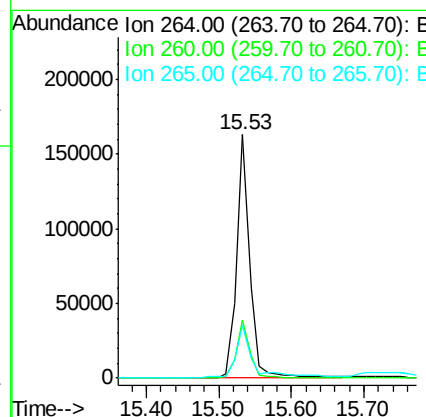
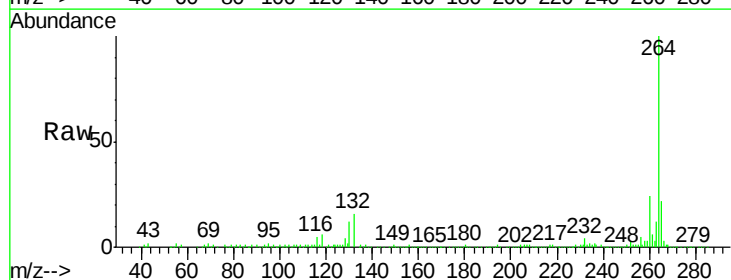
Instrument :
BNA_F
ClientSampleId :
UST-3MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.7	29.5
277	24.9	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.53 min Scan# 1172
Delta R.T. -0.24 min
Lab File: BF082271.D
Acq: 13 Oct 2015 23:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	21.9	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 86.13 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.19 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

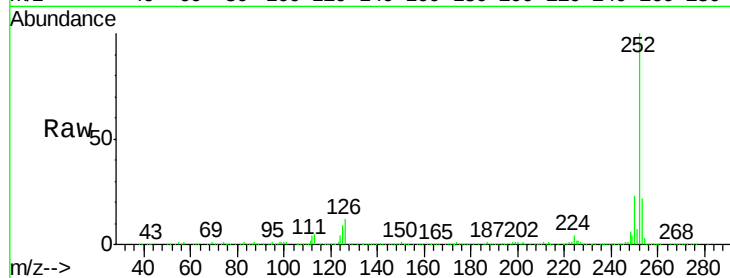
Tot Ion:252 Resp: 1083808

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

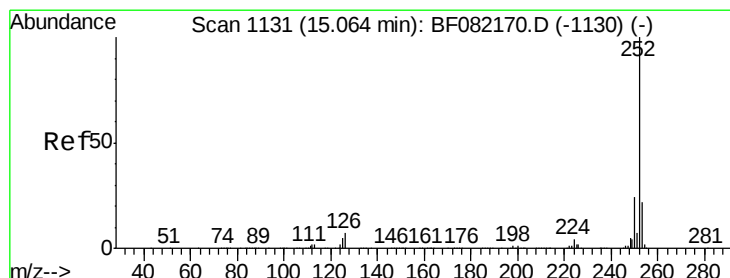
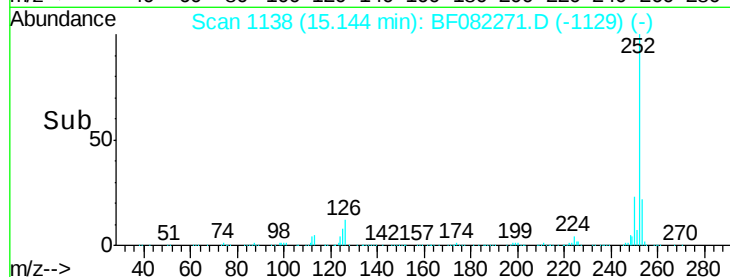
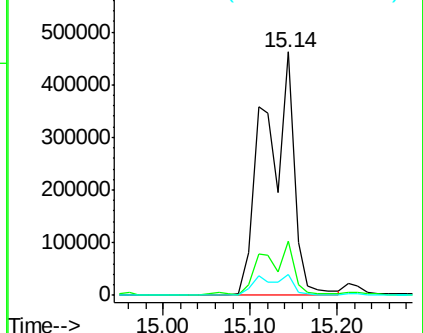
125 8.6 8.6 12.8#



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



#88

Benzo(k)fluoranthene

Concen: 102.47 ng

RT: 15.14 min Scan# 1138

Delta R.T. -0.23 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

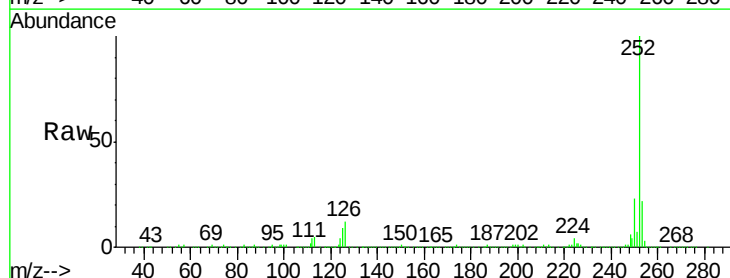
Tgt Ion:252 Resp: 1083808

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

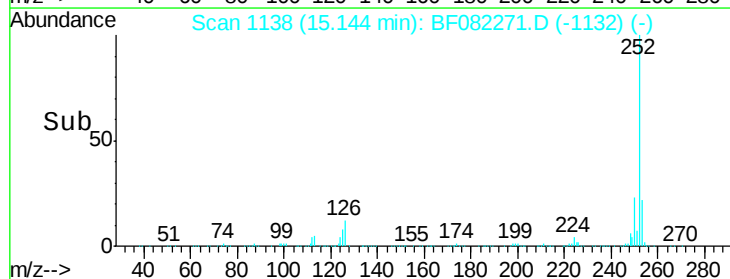
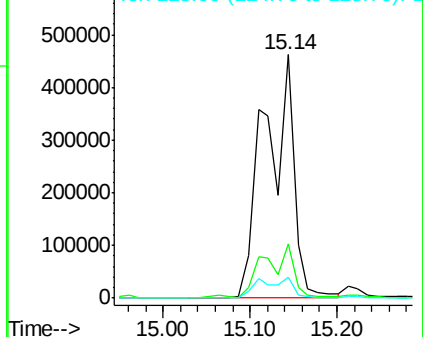
125 8.6 6.7 10.1

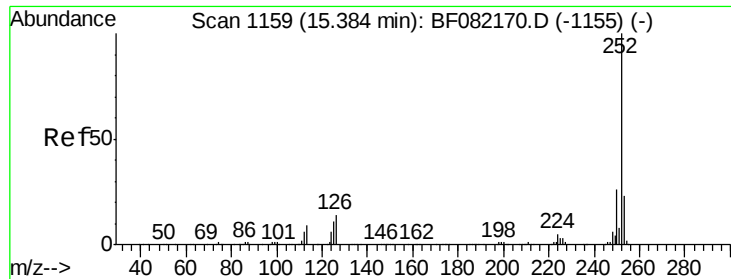


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 49.19 ng

RT: 15.48 min Scan# 1167

Delta R.T. -0.23 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampled :

UST-3MS

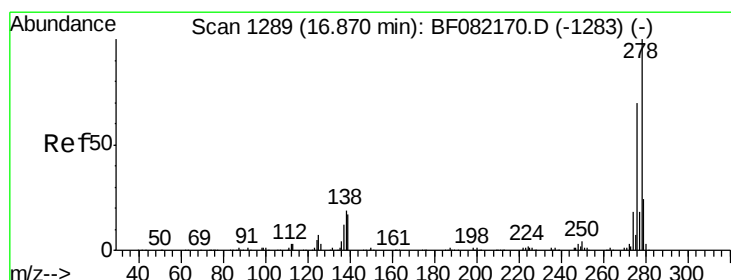
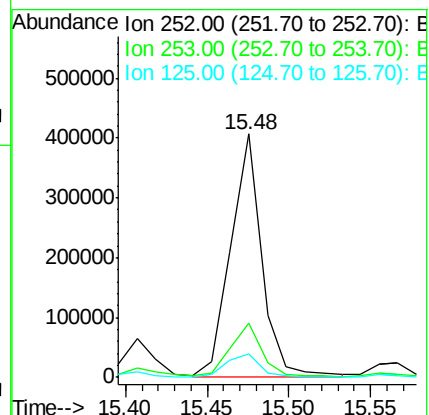
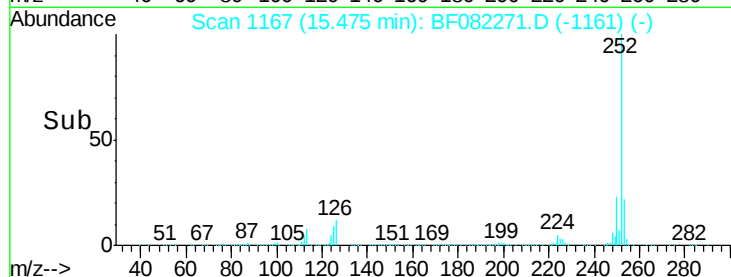
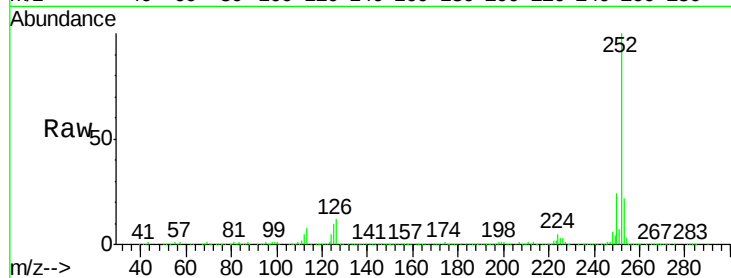
Tot Ion:252 Resp: 531939

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 9.5 8.9 13.3



#90

Dibenzo(a,h)anthracene

Concen: 43.22 ng

RT: 16.98 min Scan# 1299

Delta R.T. -0.26 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

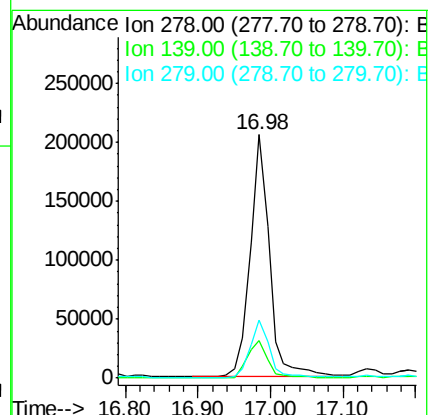
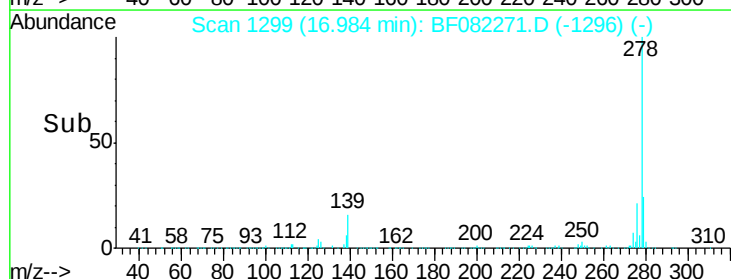
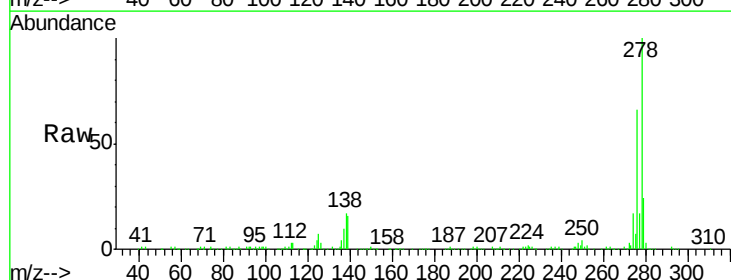
Tgt Ion:278 Resp: 383032

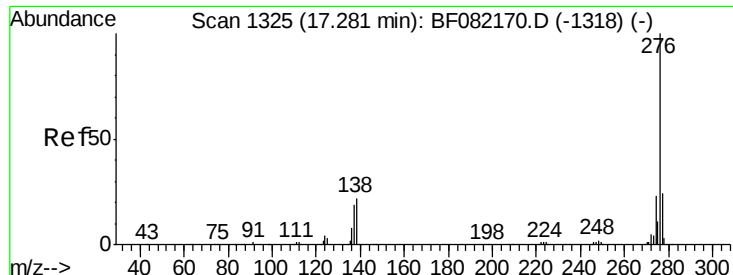
Ion Ratio Lower Upper

278 100

139 15.5 13.3 19.9

279 24.0 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 48.59 ng

RT: 17.40 min Scan# 1335

Delta R.T. -0.27 min

Lab File: BF082271.D

Acq: 13 Oct 2015 23:22

Instrument :

BNA_F

ClientSampleId :

UST-3MS

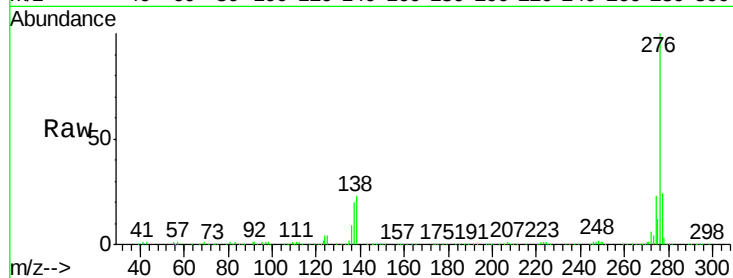
Tot Ion:276 Resp: 418301

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 22.5 17.4 26.2



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

