

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083984.D
 Acq On : 20 Dec 2015 7:17
 Operator : UM/SJ
 Sample : G4851-03MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Quant Time: Dec 21 01:03:27 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	77080	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	247445	20.00	ng	-0.02
38) Acenaphthene-d10	9.89	164	144595	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	241650	20.00	ng	-0.02
75) Chrysene-d12	14.01	240	140800	20.00	ng	-0.02
86) Perylene-d12	15.44	264	150411	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	605782	122.99	ng	-0.01
7) Phenol-d6	6.51	99	739457	122.65	ng	0.00
23) Nitrobenzene-d5	7.42	82	536918	123.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	172371	108.21	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	833175	80.19	ng	-0.02
78) Terphenyl-d14	12.96	244	671125	113.55	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	75948	35.55	ng	98
3) Pyridine	3.21	79	204461	38.70	ng	96
4) n-Nitrosodimethylamine	3.16	42	88691	44.01	ng	95
6) Aniline	6.52	93	207284	26.70	ng	# 1
8) 2-Chlorophenol	6.65	128	266799	45.51	ng	91
9) Benzaldehyde	6.40	77	97538	26.85	ng	97
10) Phenol	6.52	94	338237	50.28	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	228865	44.78	ng	96
12) 1,3-Dichlorobenzene	6.80	146	272722	43.26	ng	99
13) 1,4-Dichlorobenzene	6.86	146	251612	39.09	ng	97
14) 1,2-Dichlorobenzene	7.02	146	266771	52.03	ng	99
15) Benzyl Alcohol	7.00	79	218231	47.83	ng	91
16) 2,2'-oxybis(1-Chloropropan	7.14	45	237675	45.10	ng	90
17) 2-Methylphenol	7.13	107	205846	44.77	ng	# 92
18) Hexachloroethane	7.37	117	100725	42.65	ng	91
19) n-Nitroso-di-n-propylamine	7.28	70	158763	45.17	ng	# 91
20) 3+4-Methylphenols	7.28	107	227500	42.10	ng	# 57
22) Acetophenone	7.26	105	343316	57.63	ng	# 93
24) Nitrobenzene	7.44	77	207629	46.31	ng	98
25) Isophorone	7.68	82	467050	57.25	ng	99
26) 2-Nitrophenol	7.76	139	148882	64.15	ng	94
27) 2,4-Dimethylphenol	7.80	122	209046	52.29	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	235214	48.75	ng	# 97
29) 2,4-Dichlorophenol	8.01	162	183195	50.51	ng	94
30) 1,2,4-Trichlorobenzene	8.08	180	172619	44.31	ng	100
31) Naphthalene	8.16	128	595754	47.93	ng	99
32) Benzoic acid	7.90	122	34739	28.22	ng	87
33) 4-Chloroaniline	8.21	127	110028	19.59	ng	# 88
34) Hexachlorobutadiene	8.28	225	123027	50.57	ng	99
35) Caprolactam	8.59	113	51308	42.81	ng	87
36) 4-Chloro-3-methylphenol	8.70	107	229636	56.55	ng	95
37) 2-Methylnaphthalene	8.85	142	423999	49.30	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	160801	35.27	ng	99
40) Hexachlorocyclopentadiene	9.00	237	54691	46.31	ng	97

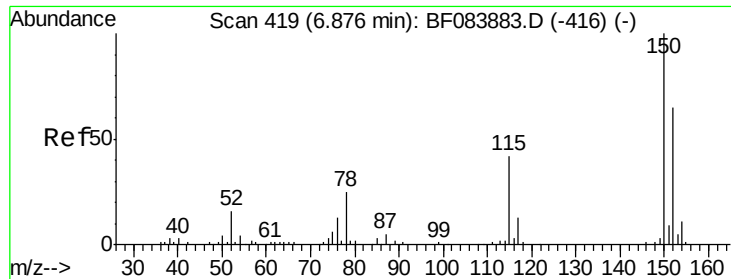
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083984.D
 Acq On : 20 Dec 2015 7:17
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.14	196	119335	39.64	ng	98
43) 2,4,5-Trichlorophenol	9.18	196	143431	48.15	ng	99
45) 1,1'-Biphenyl	9.31	154	486058	39.86	ng	100
46) 2-Chloronaphthalene	9.33	162	413559	43.47	ng	100
47) 2-Nitroaniline	9.44	65	142103	49.69	ng	# 81
48) Acenaphthylene	9.76	152	690600	40.97	ng	99
49) Dimethylphthalate	9.62	163	724103	59.68	ng	# 90
50) 2,6-Dinitrotoluene	9.68	165	108143	40.86	ng	# 62
51) Acenaphthene	9.93	154	426123	41.11	ng	99
52) 3-Nitroaniline	9.85	138	95292	34.16	ng	81
53) 2,4-Dinitrophenol	9.96	184	78579	82.34	ng	# 89
54) Dibenzofuran	10.10	168	646161	48.00	ng	98
55) 4-Nitrophenol	10.03	139	164093	94.21	ng	91
56) 2,4-Dinitrotoluene	10.09	165	170672	50.31	ng	# 84
57) Fluorene	10.44	166	488665	47.93	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.22	232	108842	49.38	ng	# 94
59) Diethylphthalate	10.32	149	508369	40.53	ng	98
60) 4-Chlorophenyl-phenylether	10.43	204	224473	43.51	ng	99
61) 4-Nitroaniline	10.46	138	123553	42.80	ng	93
62) Azobenzene	10.59	77	521779	49.63	ng	98
64) 4,6-Dinitro-2-methylphenol	10.50	198	74486	49.98	ng	80
65) n-Nitrosodiphenylamine	10.54	169	411120	46.75	ng	100
66) 4-Bromophenyl-phenylether	10.92	248	125186	42.37	ng	96
67) Hexachlorobenzene	10.99	284	148975	47.89	ng	97
68) Atrazine	11.08	200	147514	52.95	ng	95
69) Pentachlorophenol	11.18	266	129377	96.95	ng	97
70) Phenanthrene	11.40	178	645555	44.22	ng	100
71) Anthracene	11.45	178	615610	43.62	ng	100
72) Carbazole	11.61	167	629189	45.12	ng	98
73) Di-n-butylphthalate	11.93	149	768416	46.90	ng	# 97
74) Fluoranthene	12.58	202	492563	33.81	ng	99
76) Benzidine	12.69	184	93571	16.60	ng	99
77) Pyrene	12.81	202	486431	52.81	ng	100
79) Butylbenzylphthalate	13.43	149	267002	56.97	ng	94
80) Benzo(a)anthracene	14.00	228	382644	44.20	ng	100
81) 3,3'-Dichlorobenzidine	13.95	252	109863	33.96	ng	# 95
82) Chrysene	14.03	228	328579	39.29	ng	100
83) Bis(2-ethylhexyl)phthalate	13.99	149	347808	55.58	ng	# 98
84) Di-n-octyl phthalate	14.59	149	557565	56.94	ng	99
85) Indeno(1,2,3-cd)pyrene	16.85	276	474935	75.95	ng	98
87) Benzo(b)fluoranthene	15.03	252	820262	74.80	ng	# 97
88) Benzo(k)fluoranthene	15.03	252	820262	90.67	ng	99
89) Benzo(a)pyrene	15.38	252	421096	46.50	ng	# 98
90) Dibenzo(a,h)anthracene	16.87	278	395718	56.17	ng	# 96
91) Benzo(g,h,i)perylene	17.28	276	403999	58.52	ng	99

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

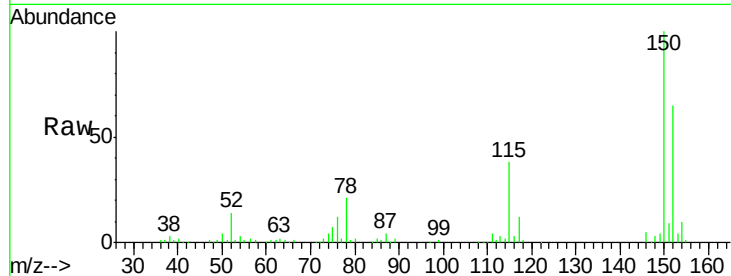


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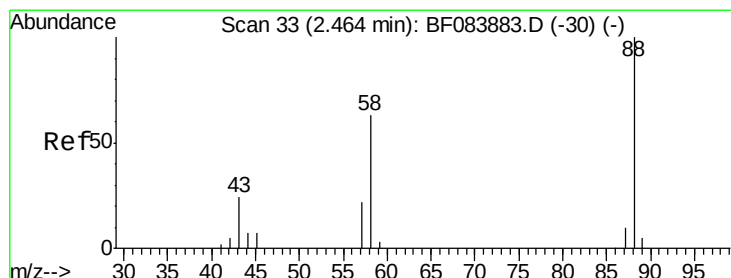
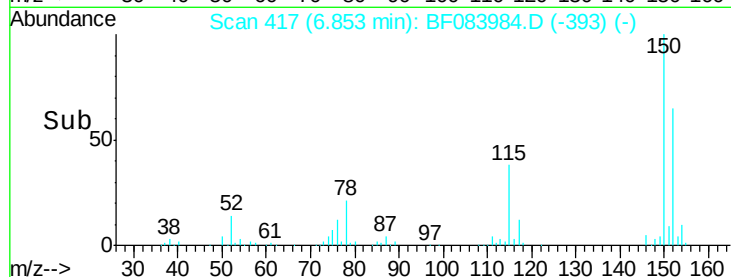
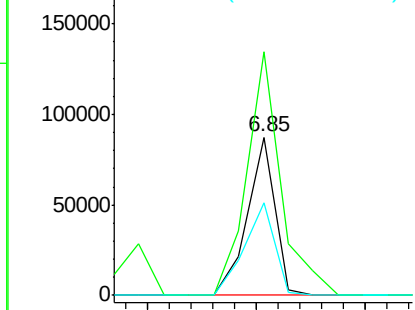
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Instrument :
BNA_F
ClientSampleId :
UST-8MSD

Tgt Ion:152 Resp: 77080
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.4
115 58.4 51.4 77.2



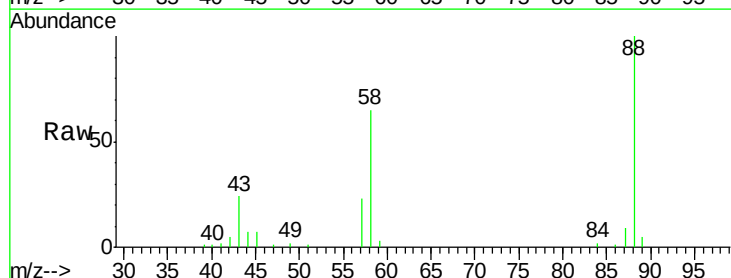
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



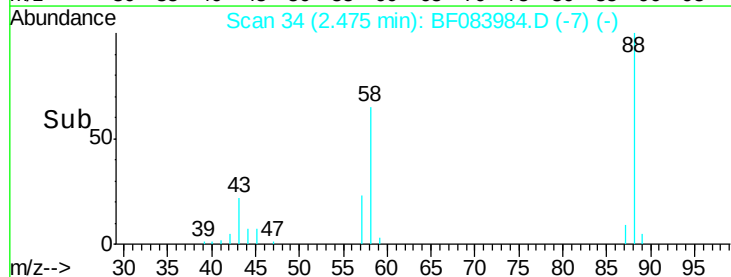
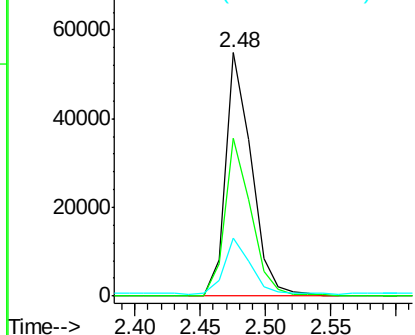
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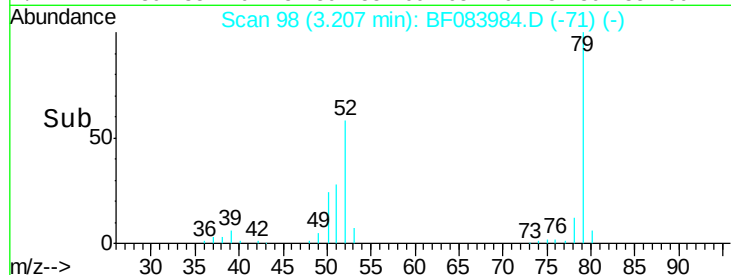
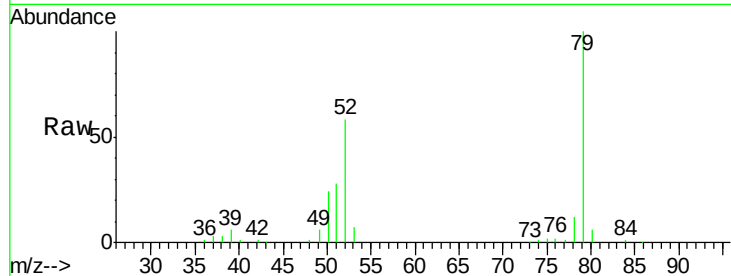
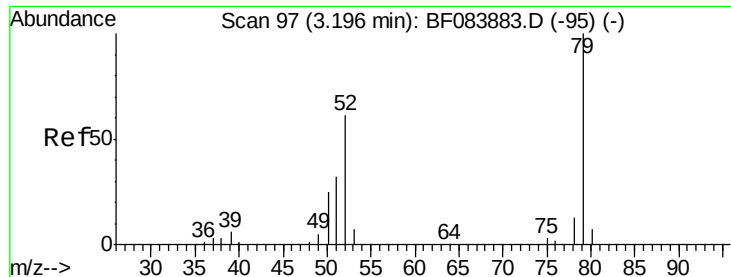
1,4-Dioxane
Concen: 35.55 ng
RT: 2.48 min Scan# 34
Delta R.T. 0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion: 88 Resp: 75948
Ion Ratio Lower Upper
88 100
58 65.8 51.2 76.8
43 23.2 19.5 29.3



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0

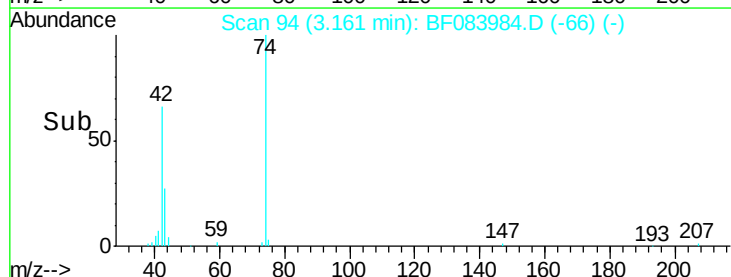
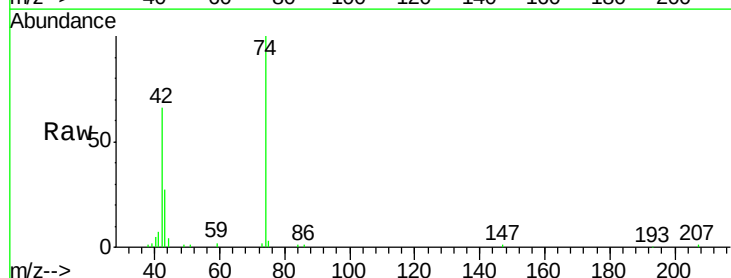
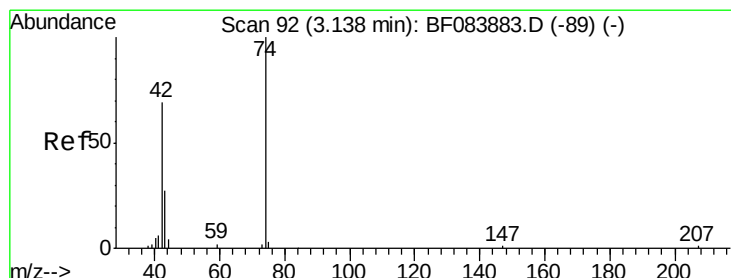
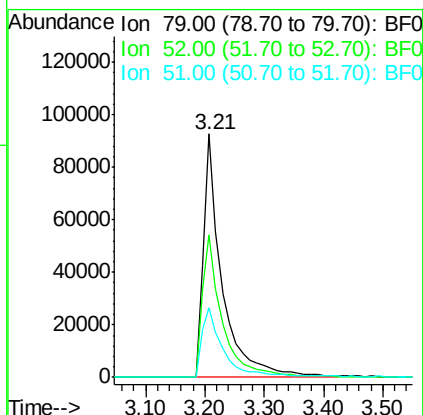




#3
Pyridine
Concen: 38.70 ng
RT: 3.21 min Scan# 98
Delta R.T. 0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

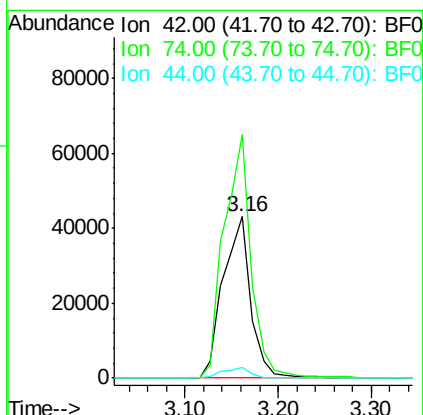
Instrument :
BNA_F
ClientSampleId :
UST-8MSD

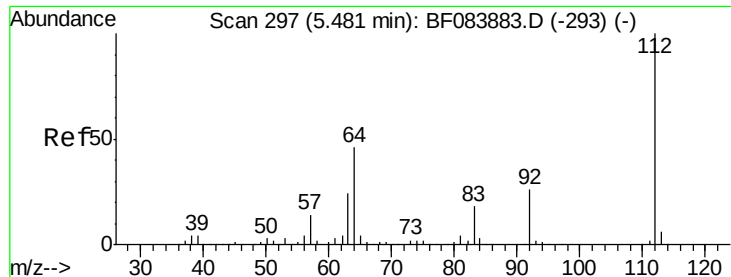
Tgt Ion: 79 Resp: 204461
Ion Ratio Lower Upper
79 100
52 58.4 49.0 73.4
51 28.4 25.2 37.8



#4
n-Nitrosodimethylamine
Concen: 44.01 ng
RT: 3.16 min Scan# 94
Delta R.T. 0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion: 42 Resp: 88691
Ion Ratio Lower Upper
42 100
74 151.0 115.7 173.5
44 6.4 5.1 7.7





#5

2-Fluorophenol

Concen: 122.99 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

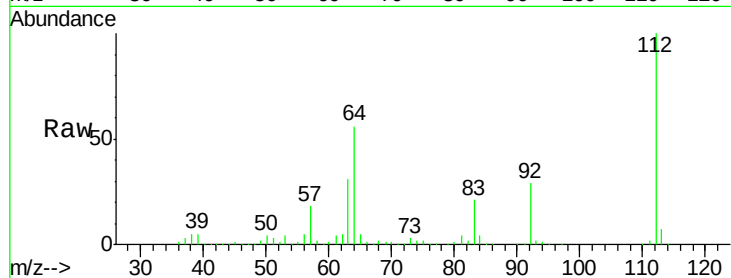
Tgt Ion: 112 Resp: 605782

Ion Ratio Lower Upper

112 100

64 56.3 36.6 55.0#

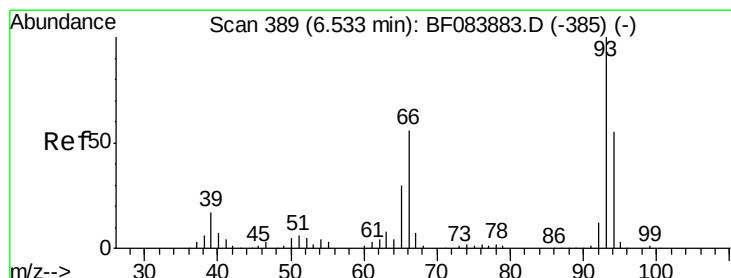
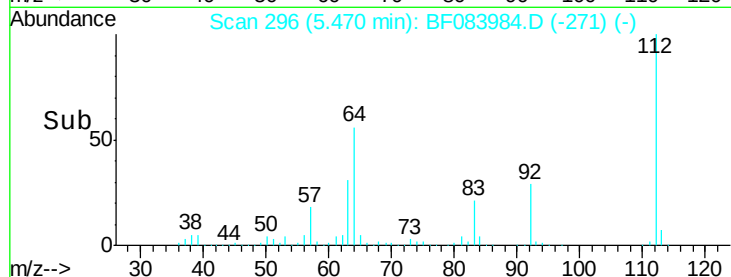
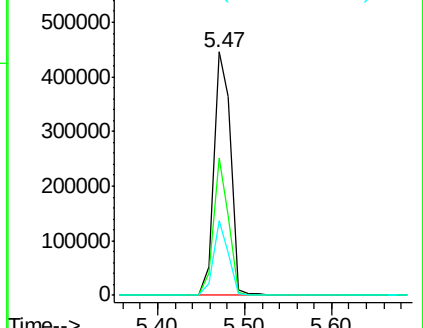
63 30.5 19.4 29.0#



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: 26.70 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

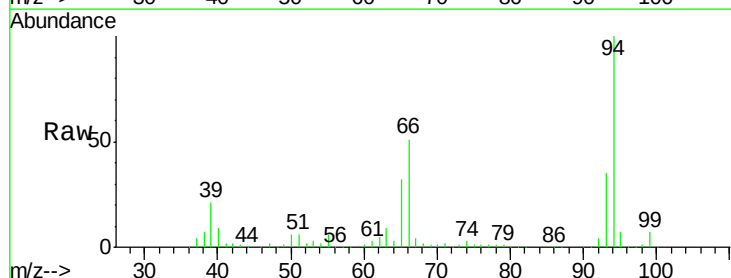
Tgt Ion: 93 Resp: 207284

Ion Ratio Lower Upper

93 100

66 148.3 44.9 67.3#

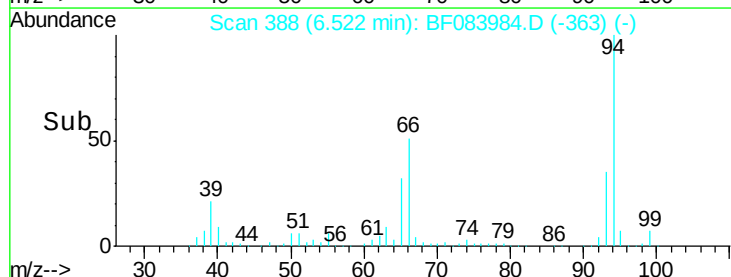
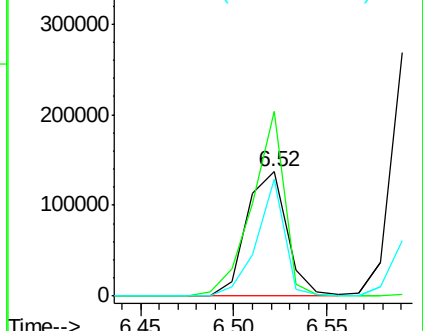
65 93.7 23.7 35.5#

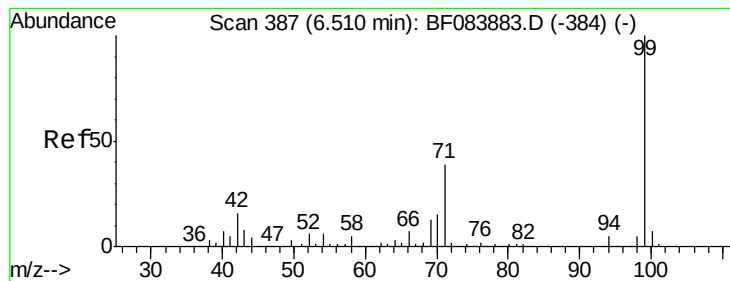


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 122.65 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

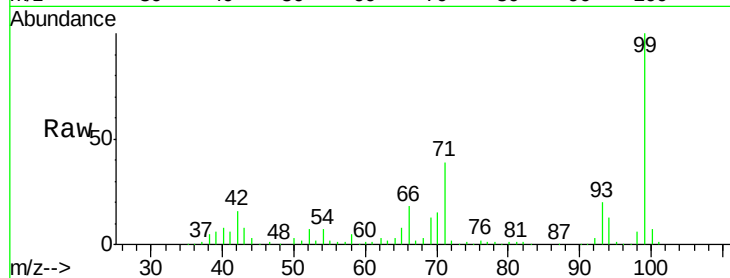
Tgt Ion: 99 Resp: 739457

Ion Ratio Lower Upper

99 100

42 16.2 12.8 19.2

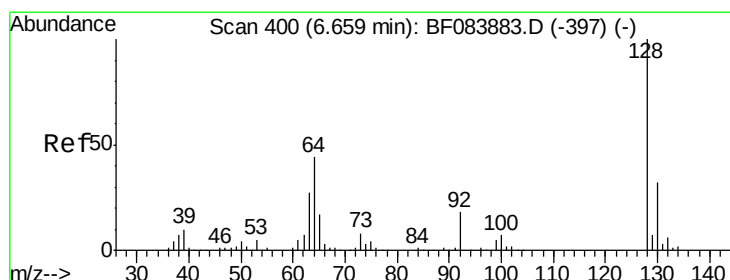
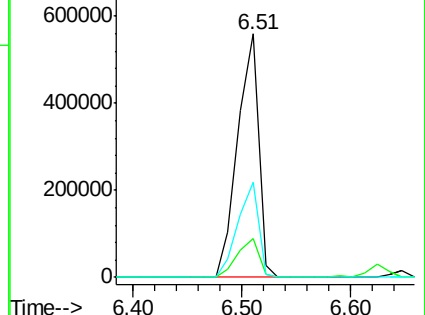
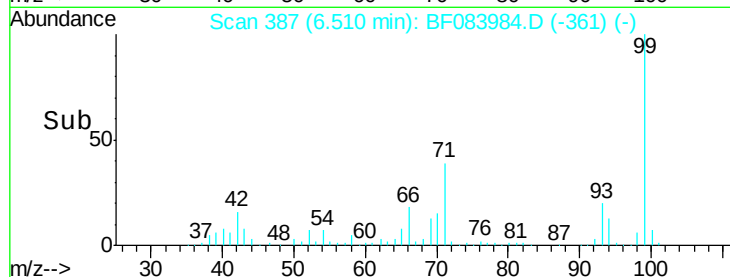
71 39.0 30.9 46.3



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: 45.51 ng

RT: 6.65 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

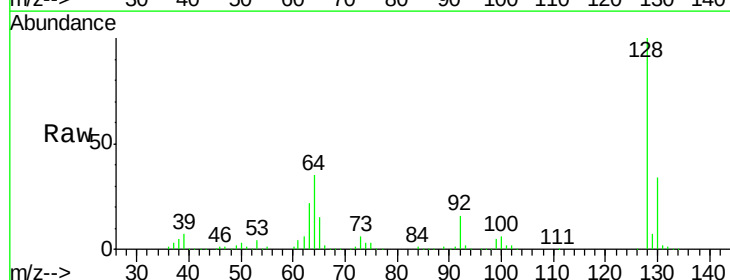
Tgt Ion: 128 Resp: 266799

Ion Ratio Lower Upper

128 100

130 33.5 11.6 51.6

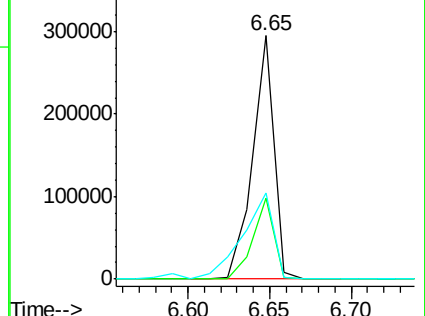
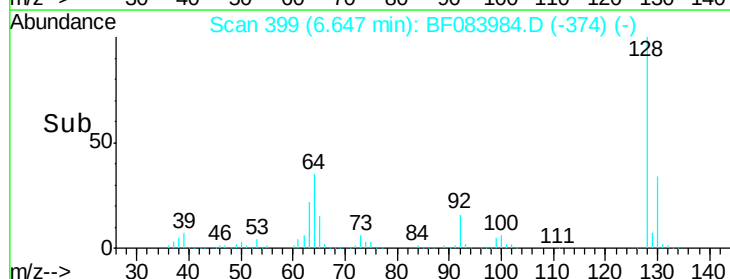
64 35.2 23.8 63.8

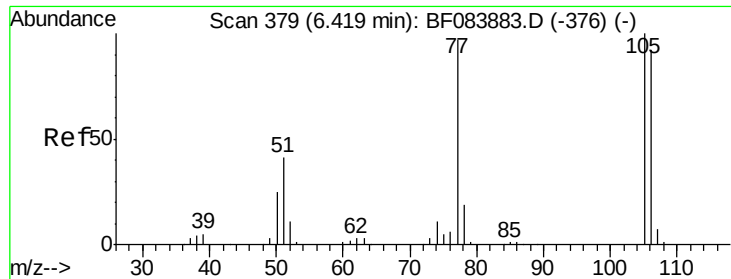


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 26.85 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

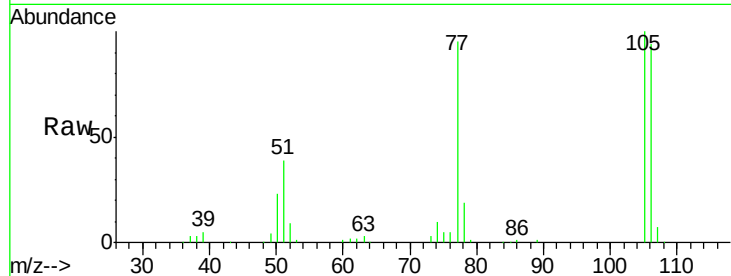
Tgt Ion: 77 Resp: 97538

Ion Ratio Lower Upper

77 100

105 105.5 83.0 123.0

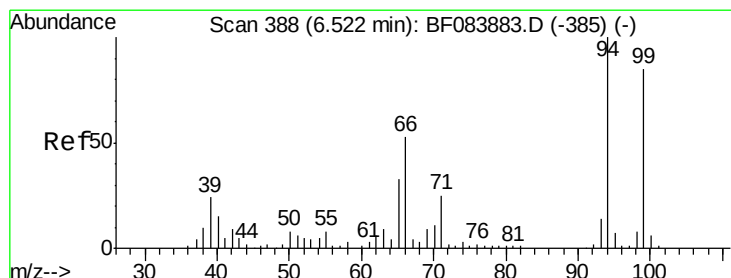
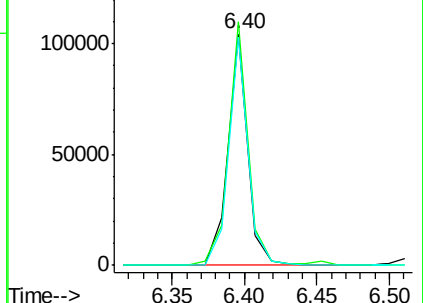
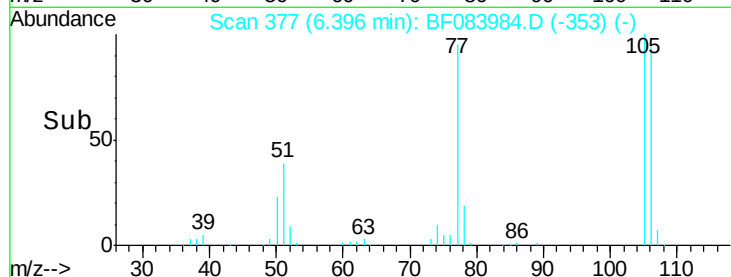
106 98.7 74.6 114.6



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: 50.28 ng

RT: 6.52 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

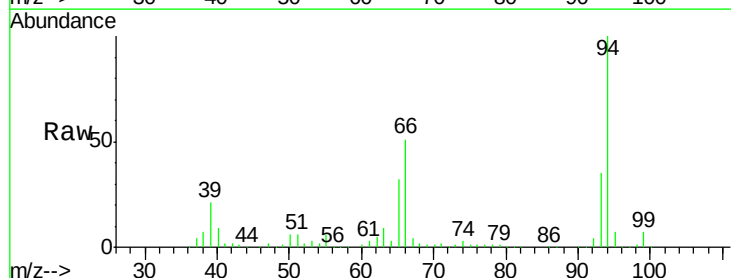
Tgt Ion: 94 Resp: 338237

Ion Ratio Lower Upper

94 100

65 32.5 12.9 52.9

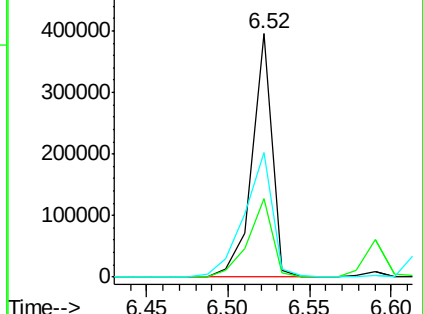
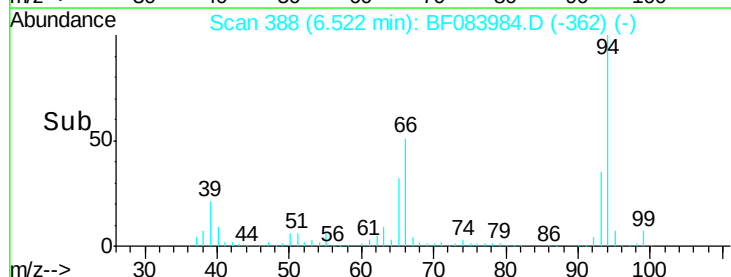
66 51.4 32.7 72.7

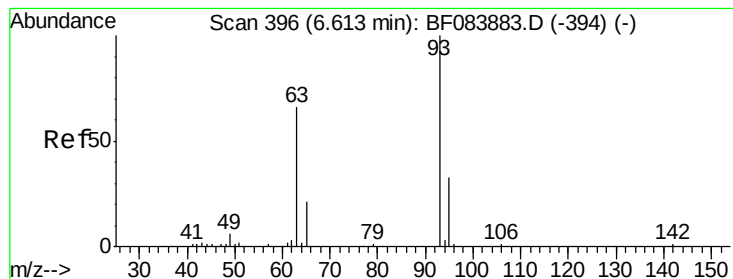


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 44.78 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

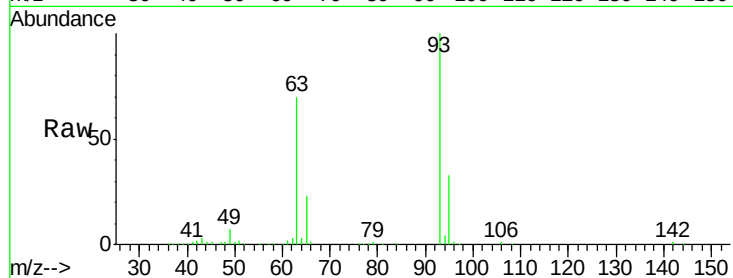
Tgt Ion: 93 Resp: 228865

Ion Ratio Lower Upper

93 100

63 70.0 45.9 85.9

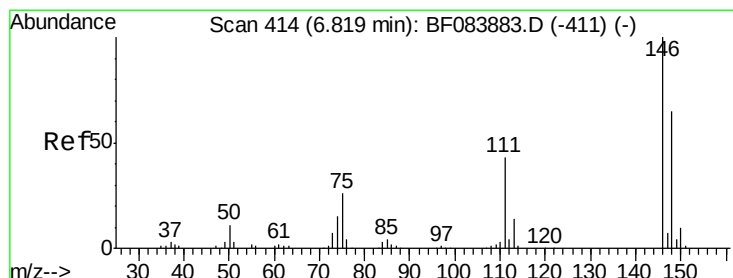
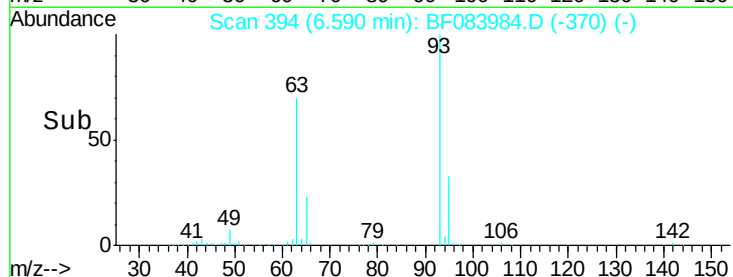
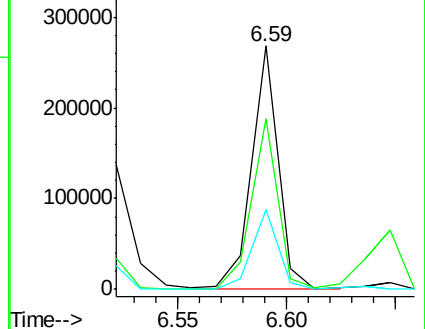
95 32.9 12.3 52.3



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: 43.26 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

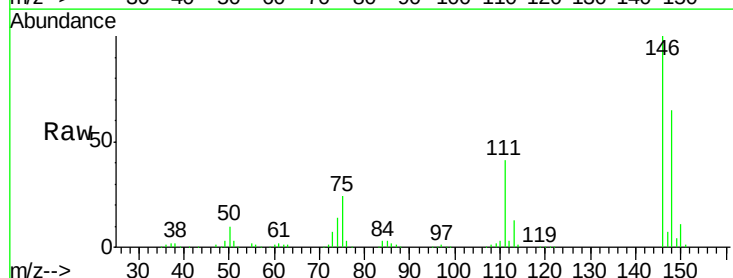
Tgt Ion: 146 Resp: 272722

Ion Ratio Lower Upper

146 100

148 65.3 51.9 77.9

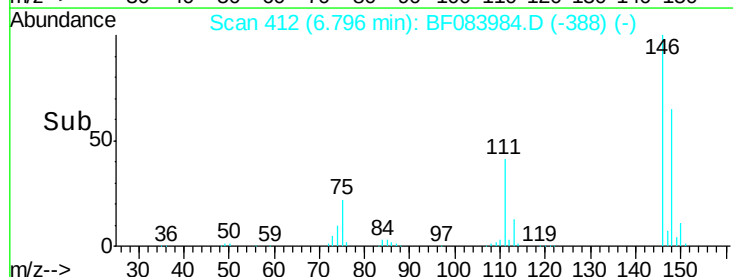
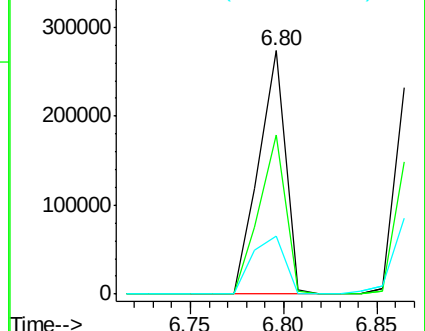
75 24.1 20.5 30.7

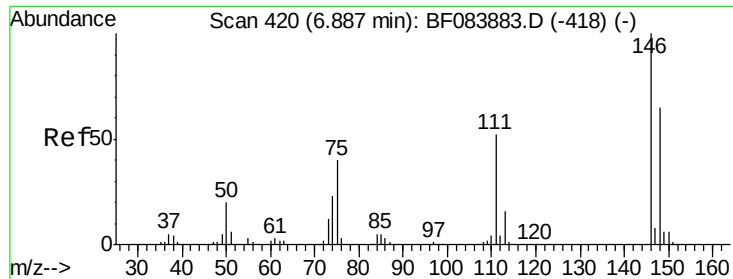


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

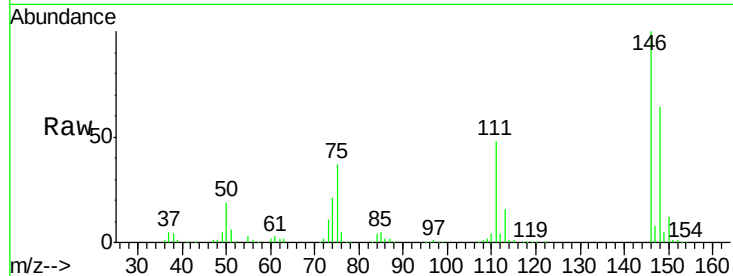




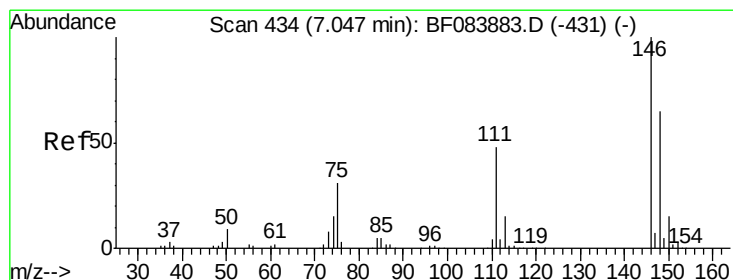
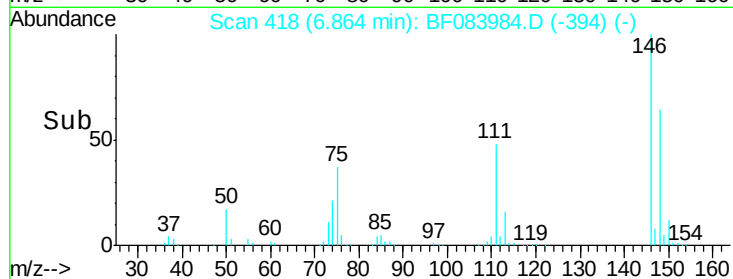
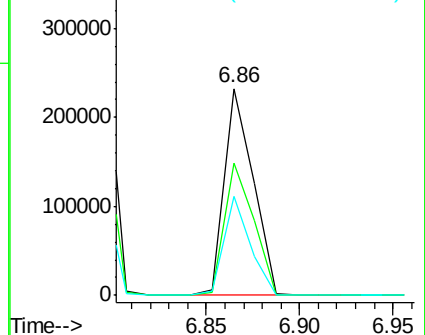
#13
 1,4-Dichlorobenzene
 Concen: 39.09 ng
 RT: 6.86 min Scan# 418
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion:146 Resp: 251612
 Ion Ratio Lower Upper
 146 100
 148 63.9 51.9 77.9
 111 47.9 41.6 62.4

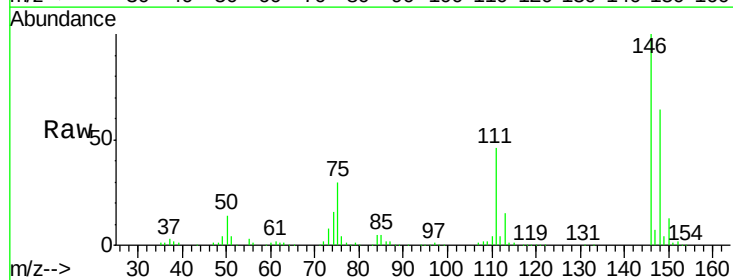


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

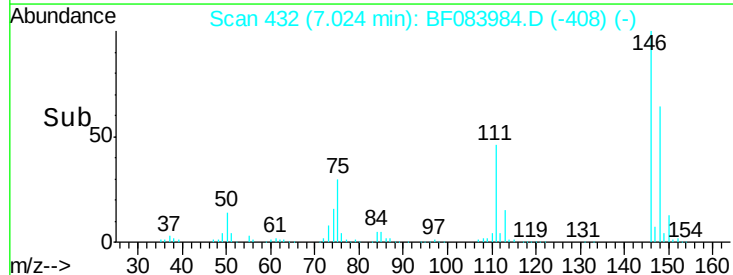
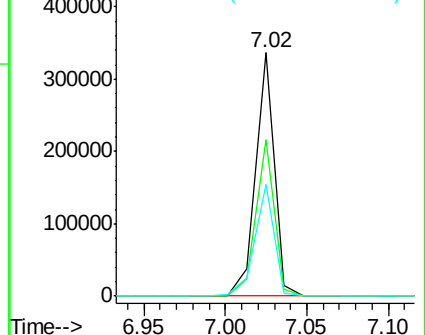


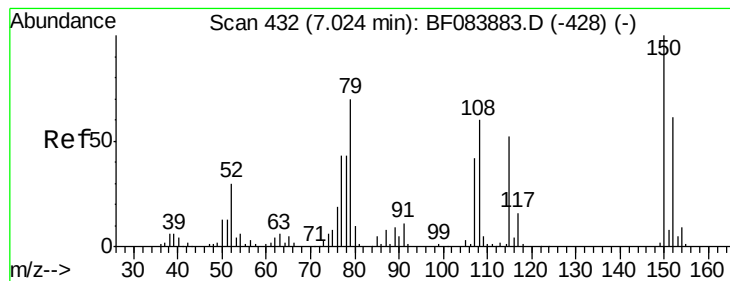
#14
 1,2-Dichlorobenzene
 Concen: 52.03 ng
 RT: 7.02 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:146 Resp: 266771
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.6 77.4
 111 45.9 38.0 57.0



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: 47.83 ng

RT: 7.00 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

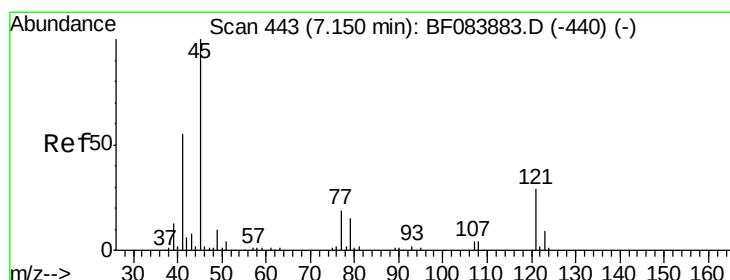
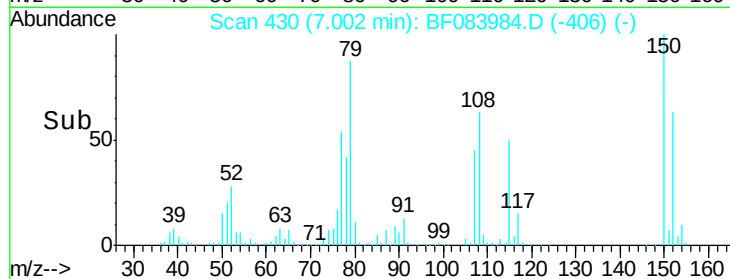
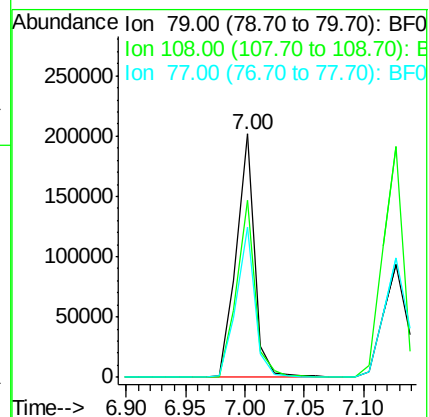
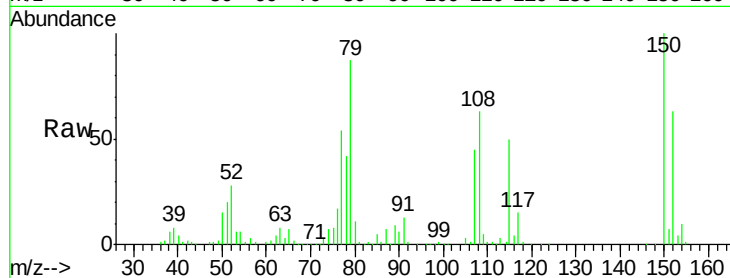
Tgt Ion: 79 Resp: 218231

Ion Ratio Lower Upper

79 100

108 72.6 69.0 103.4

77 61.8 50.0 75.0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.10 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

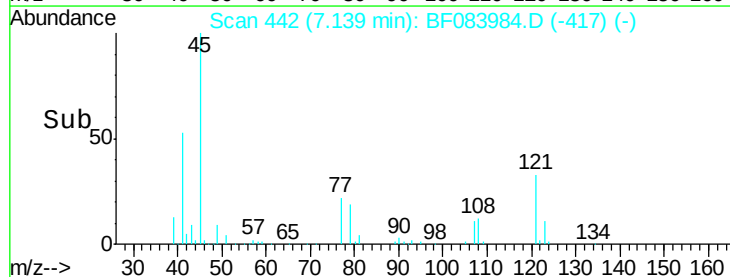
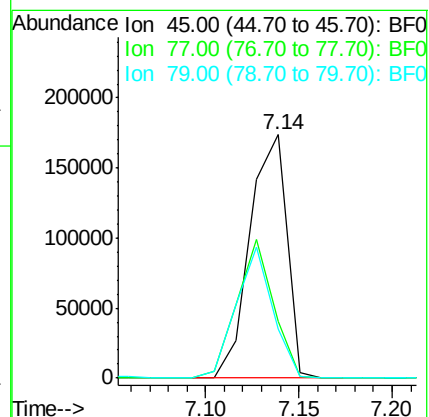
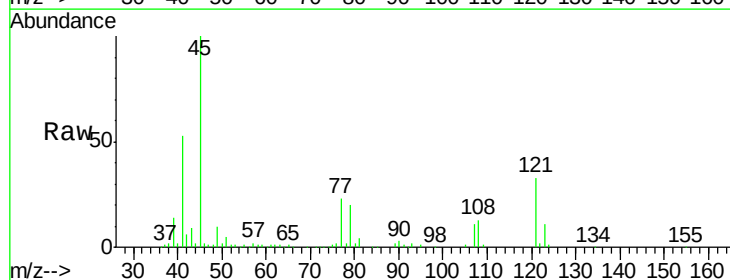
Tgt Ion: 45 Resp: 237675

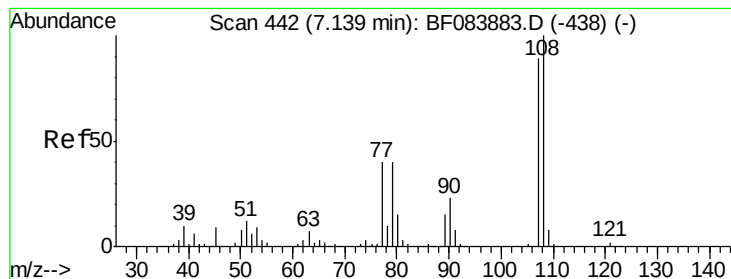
Ion Ratio Lower Upper

45 100

77 23.2 0.0 39.6

79 20.3 0.0 35.0

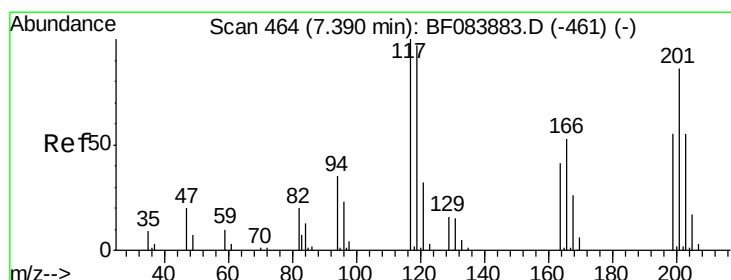
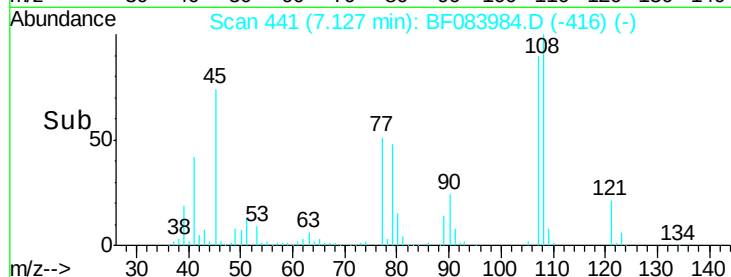
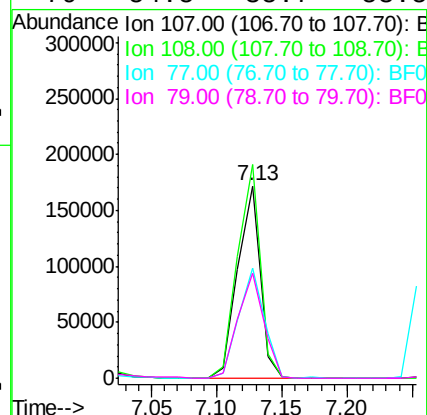
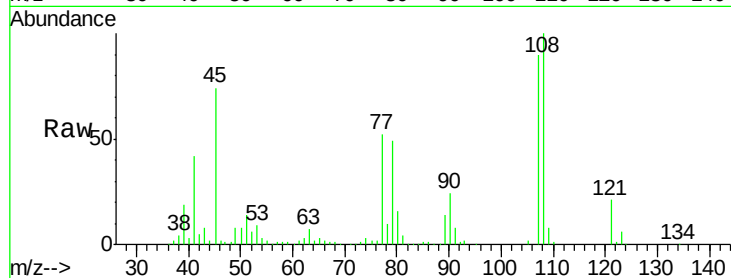




#17
2-Methylphenol
Concen: 44.77 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

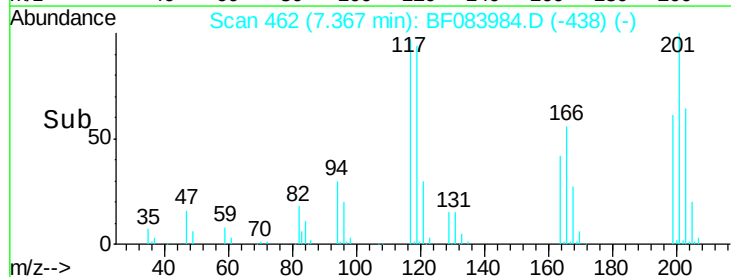
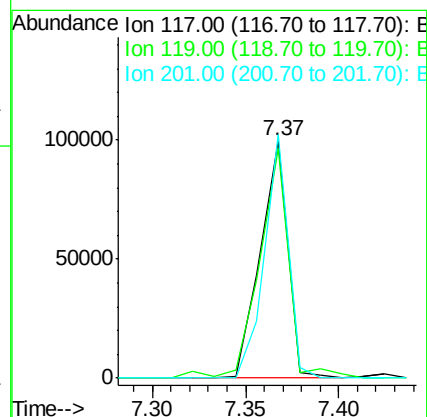
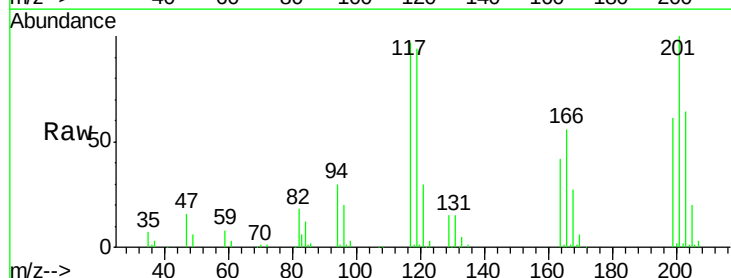
Instrument :
BNA_F
ClientSampleId :
UST-8MSD

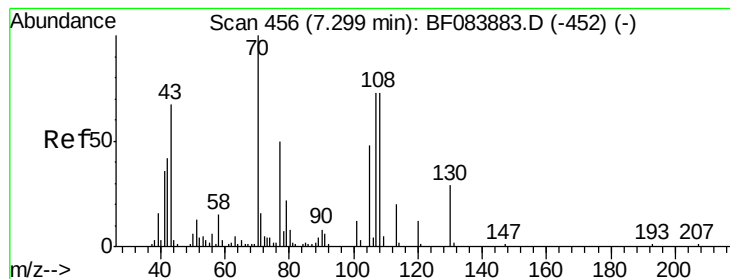
Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.8	134.6
77	57.4	35.7	53.5#
79	54.5	35.7	53.5#



#18
Hexachloroethane
Concen: 42.65 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
201	102.6	68.6	103.0





#19

n-Nitroso-di-n-propylamine

Concen: 45.17 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

Tgt Ion: 70 Resp: 158763

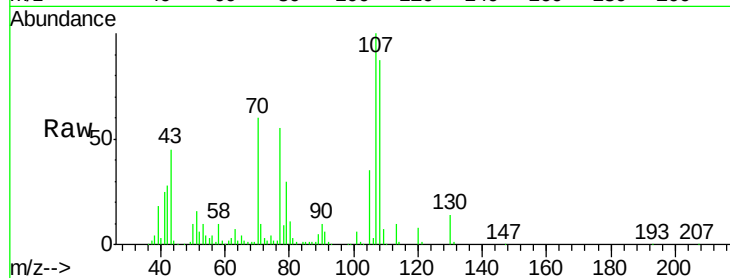
Ion Ratio Lower Upper

70 100

42 46.8 33.3 49.9

101 9.8 9.3 13.9

130 23.1 23.4 35.0#



Abundance

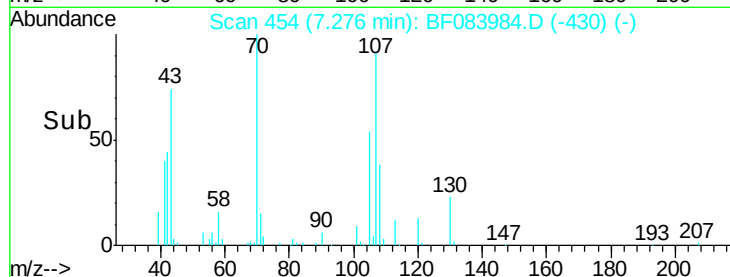
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

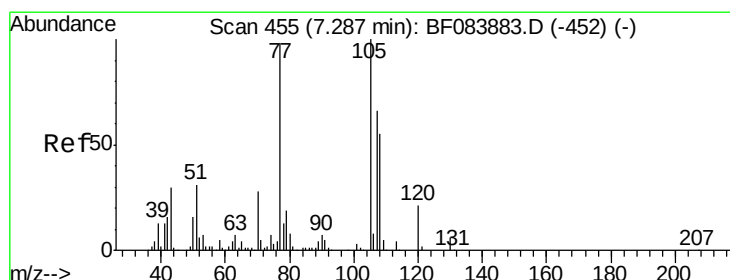
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



Time-->



#20

3+4-Methylphenols

Concen: 42.10 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Tgt Ion: 107 Resp: 227500

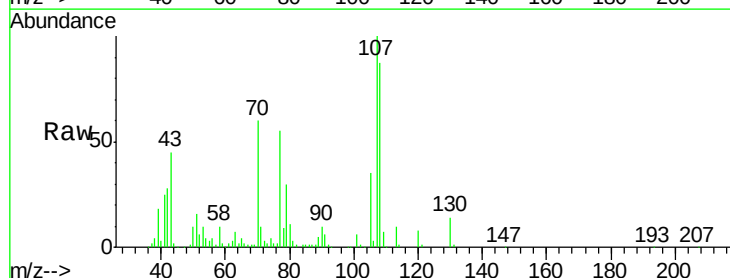
Ion Ratio Lower Upper

107 100

108 86.7 64.1 104.1

77 54.9 128.9 168.9#

79 29.9 9.6 49.6



Abundance

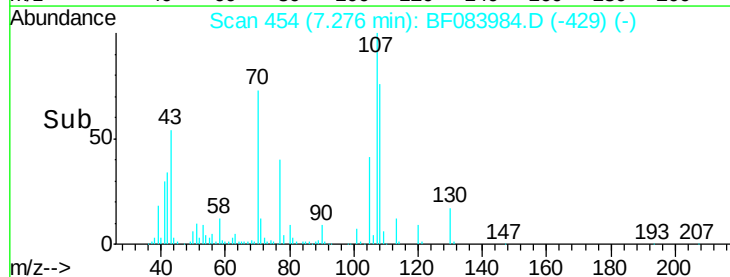
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

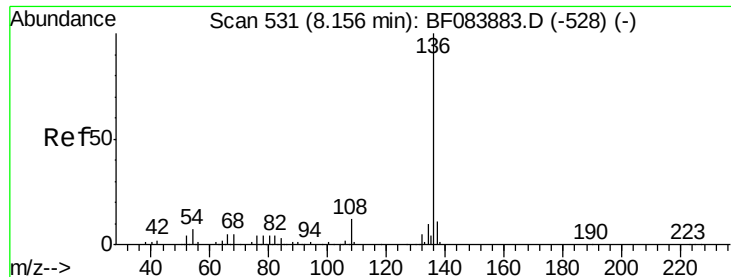
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->



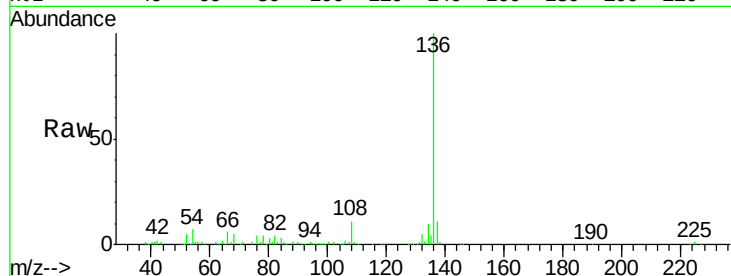
Time-->



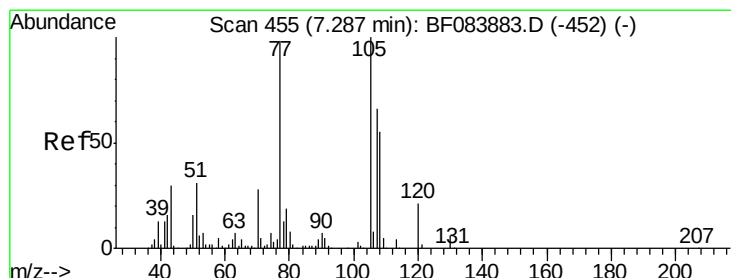
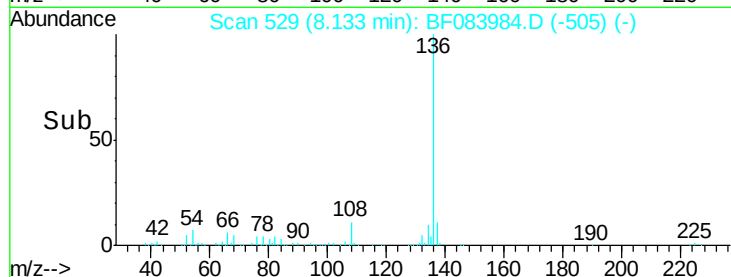
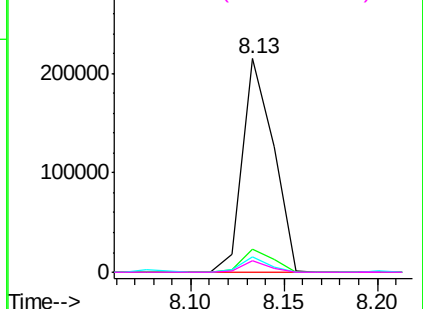
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Instrument :
BNA_F
ClientSampleId :
UST-8MSD

Tgt Ion:	136	Resp:	247445
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.2	5.8	8.8
68	5.3	4.2	6.2

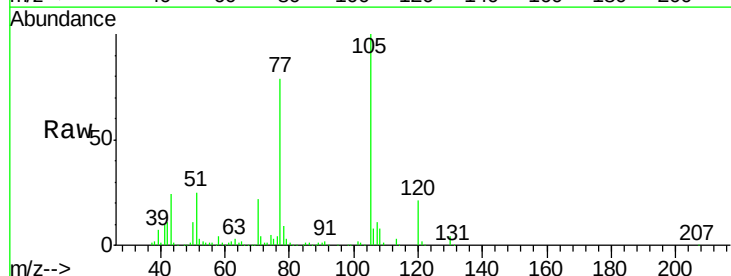


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

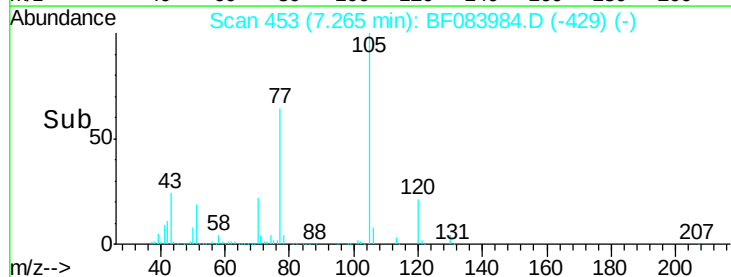
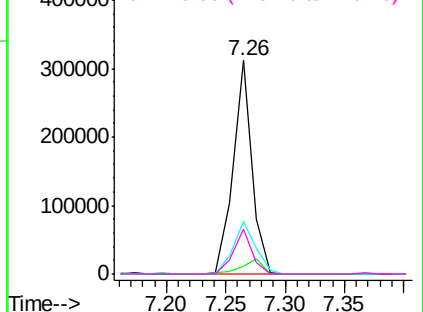


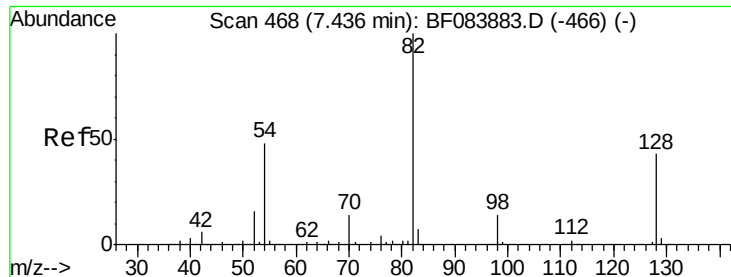
#22
Acetophenone
Concen: 57.63 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion:	105	Resp:	343316
Ion	Ratio	Lower	Upper
105	100		
71	3.7	3.7	5.5
51	24.8	25.1	37.7#
120	21.3	16.6	25.0



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

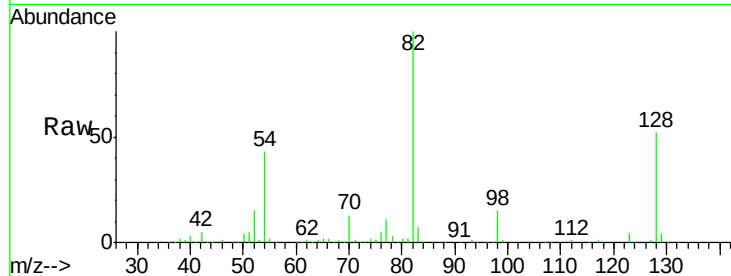




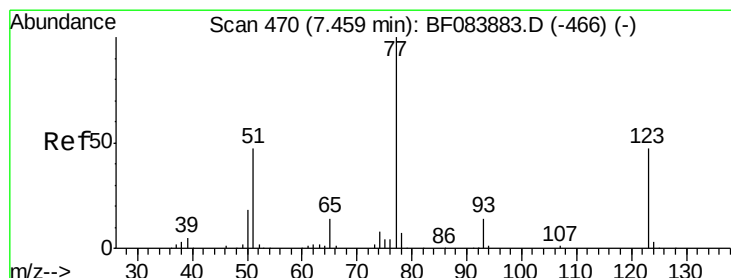
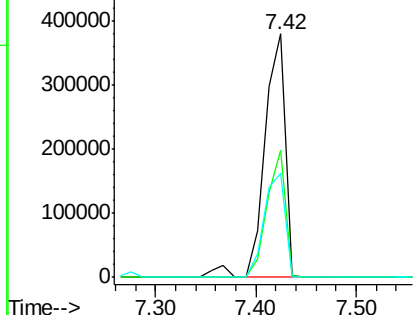
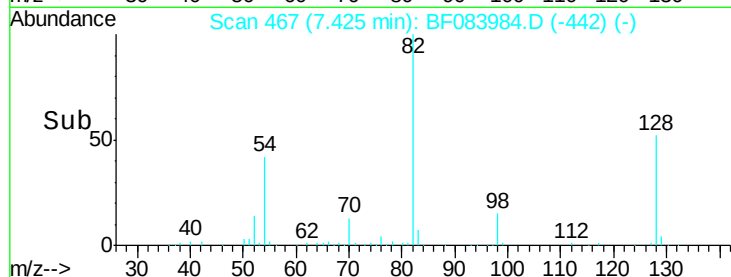
#23
 Nitrobenzene-d5
 Concen: 123.84 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion: 82 Resp: 536918
 Ion Ratio Lower Upper
 82 100
 128 52.0 34.6 51.8#
 54 42.5 38.4 57.6

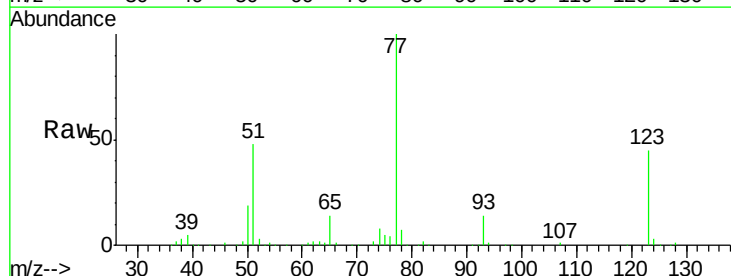


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

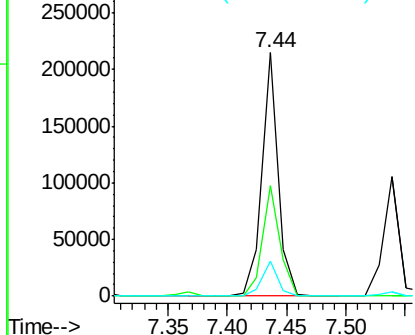
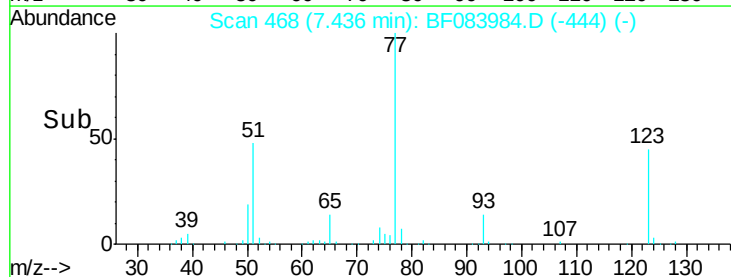


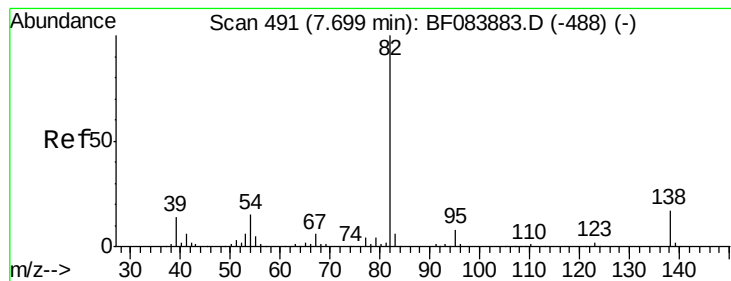
#24
 Nitrobenzene
 Concen: 46.31 ng
 RT: 7.44 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion: 77 Resp: 207629
 Ion Ratio Lower Upper
 77 100
 123 45.4 37.4 56.2
 65 14.1 10.9 16.3



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





#25

Isophorone

Concen: 57.25 ng

RT: 7.68 min Scan# 489

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

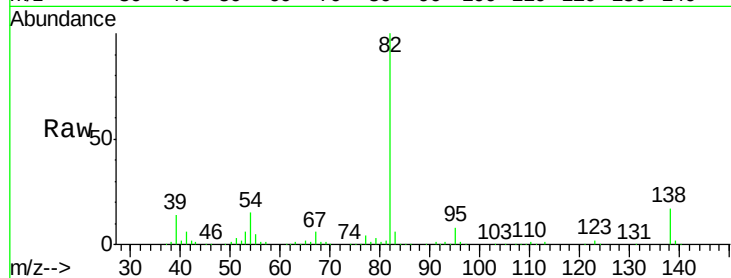
Tgt Ion: 82 Resp: 467050

Ion Ratio Lower Upper

82 100

95 7.9 6.6 10.0

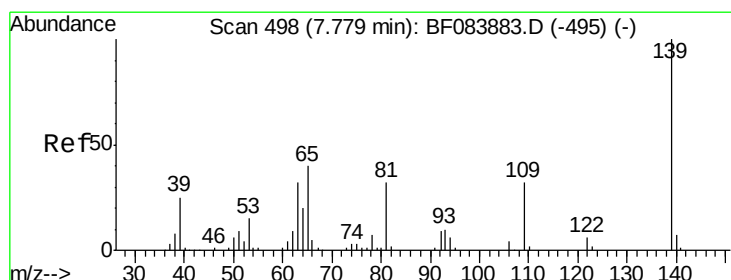
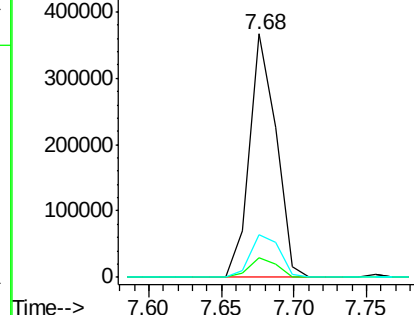
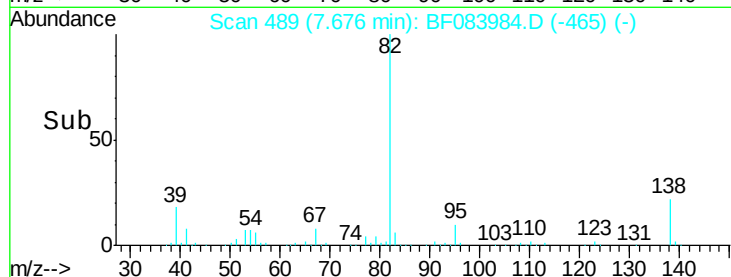
138 17.3 13.6 20.4



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: 64.15 ng

RT: 7.76 min Scan# 496

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

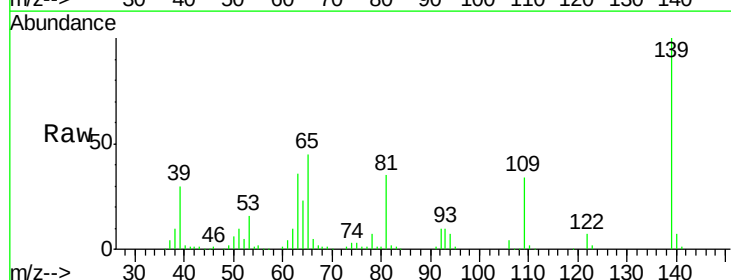
Tgt Ion: 139 Resp: 148882

Ion Ratio Lower Upper

139 100

109 33.7 25.4 38.2

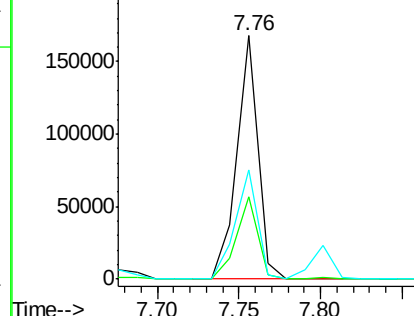
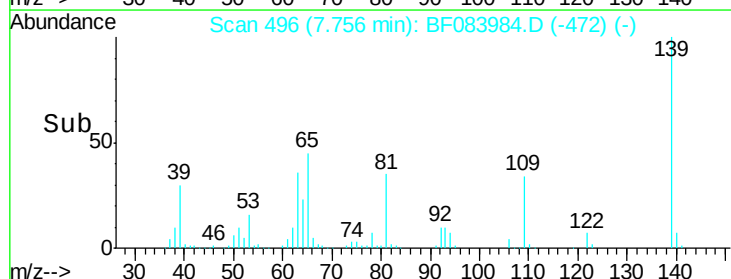
65 44.9 32.3 48.5

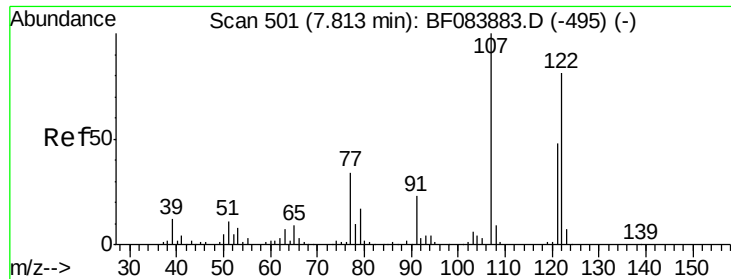


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

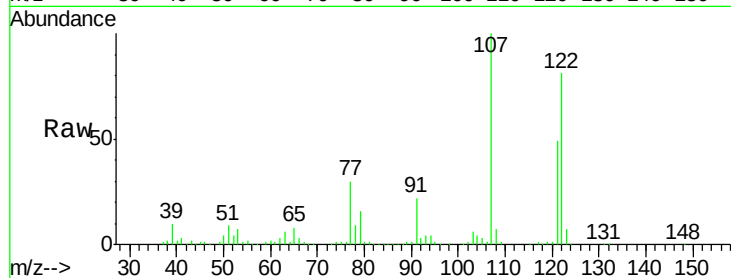




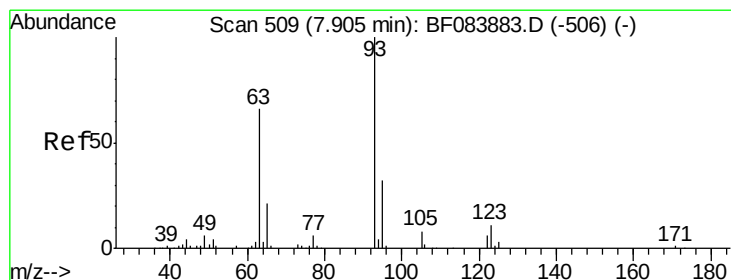
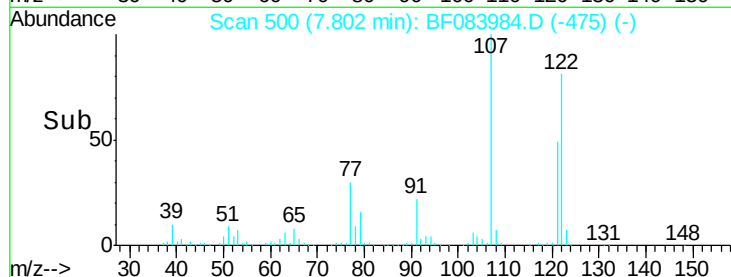
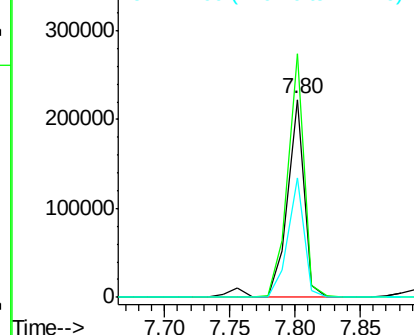
#27
 2,4-Dimethylphenol
 Concen: 52.29 ng
 RT: 7.80 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion: 122 Resp: 209046
 Ion Ratio Lower Upper
 122 100
 107 123.2 99.1 148.7
 121 60.2 47.9 71.9

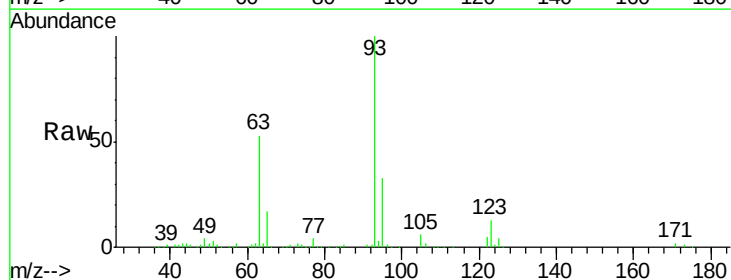


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

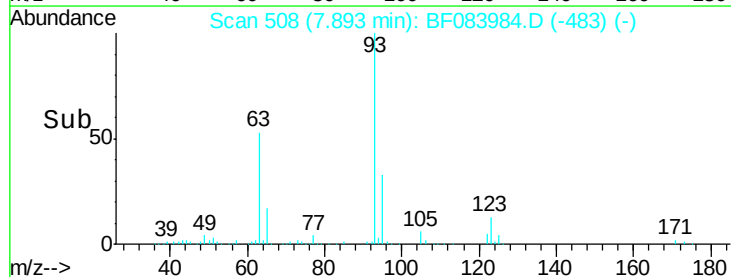
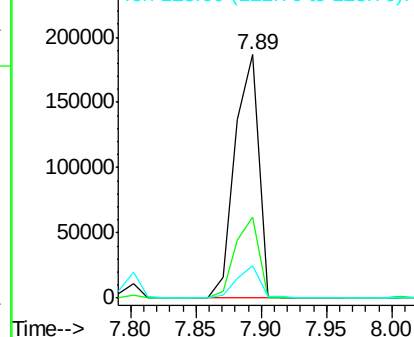


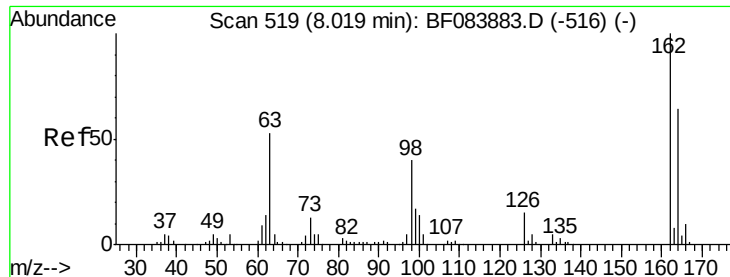
#28
 bis(2-Chloroethoxy)methane
 Concen: 48.75 ng
 RT: 7.89 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion: 93 Resp: 235214
 Ion Ratio Lower Upper
 93 100
 95 33.1 25.8 38.6
 123 13.3 8.6 12.8#



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

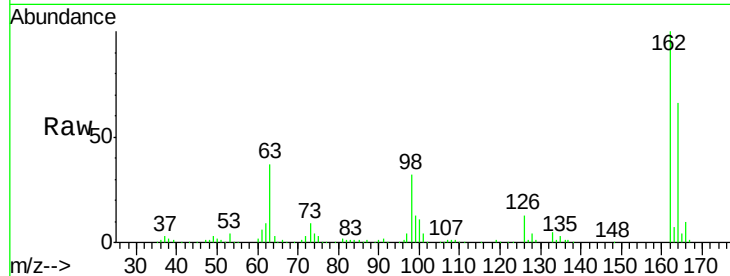




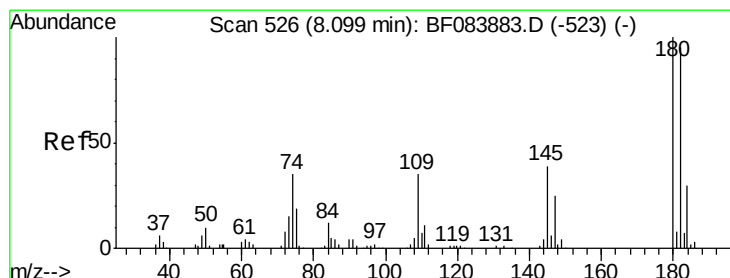
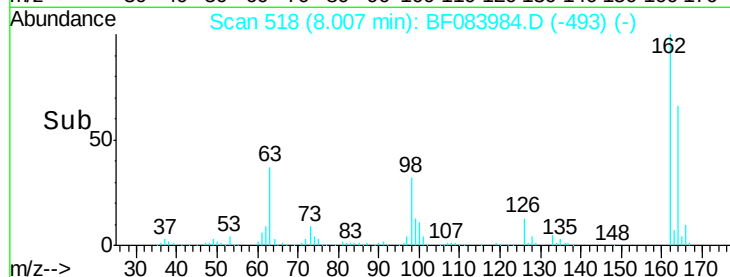
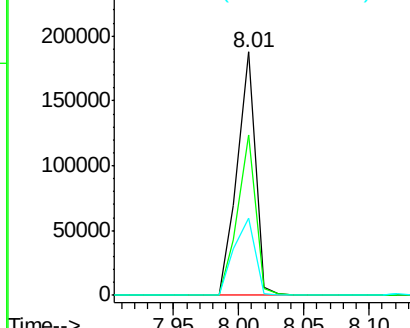
#29
 2,4-Dichlorophenol
 Concen: 50.51 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.6	44.1	84.1
98	31.8	20.2	60.2

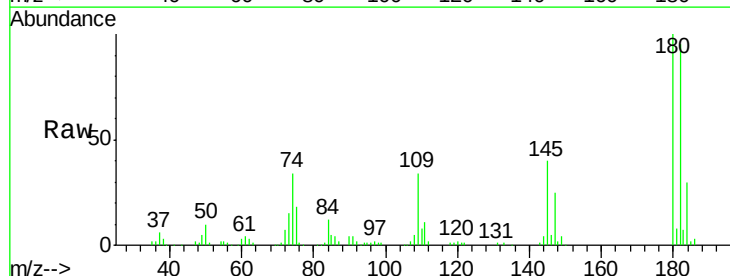


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BFO

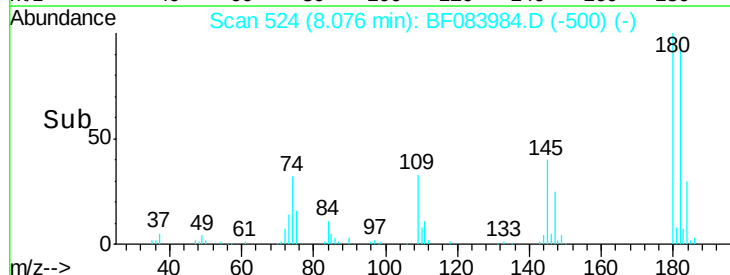
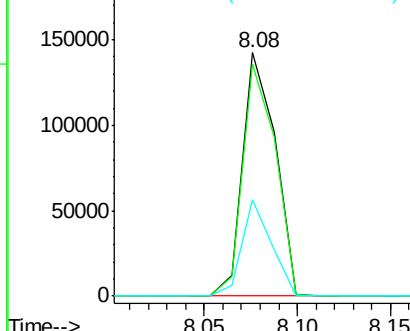


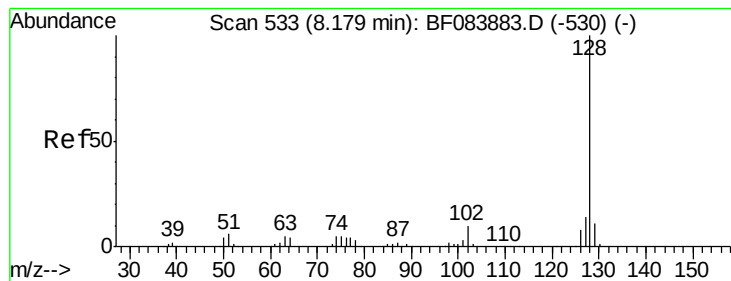
#30
 1,2,4-Trichlorobenzene
 Concen: 44.31 ng
 RT: 8.08 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	39.8	31.6	47.4



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





#31

Naphthalene

Concen: 47.93 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

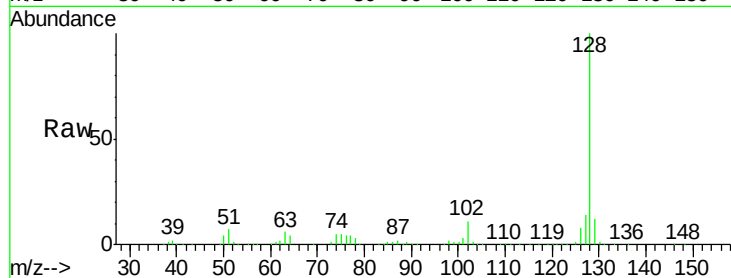
Tgt Ion:128 Resp: 595754

Ion Ratio Lower Upper

128 100

129 11.6 9.1 13.7

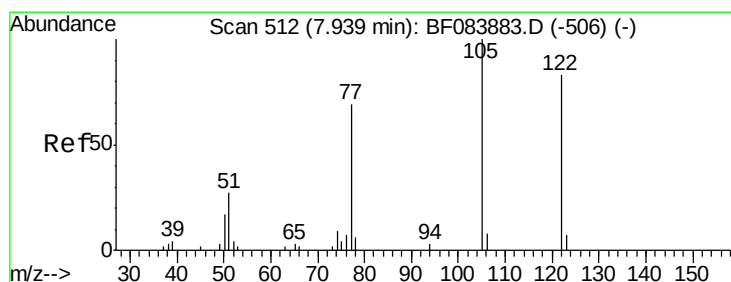
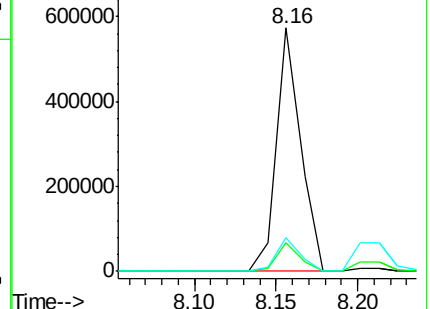
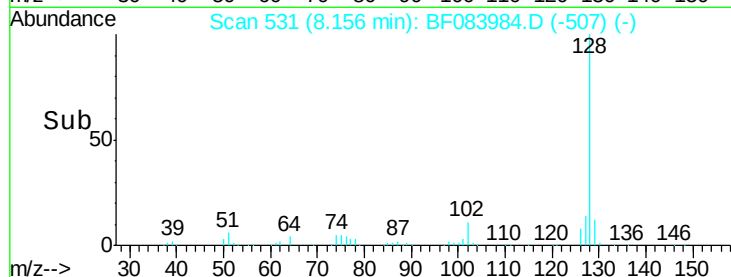
127 13.6 11.1 16.7



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: 28.22 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.03 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

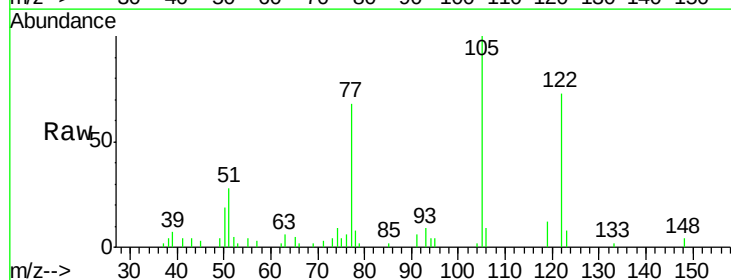
Tgt Ion:122 Resp: 34739

Ion Ratio Lower Upper

122 100

105 136.2 100.3 140.3

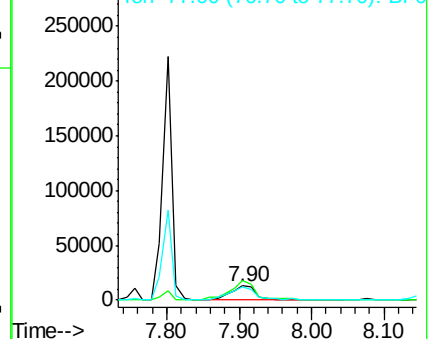
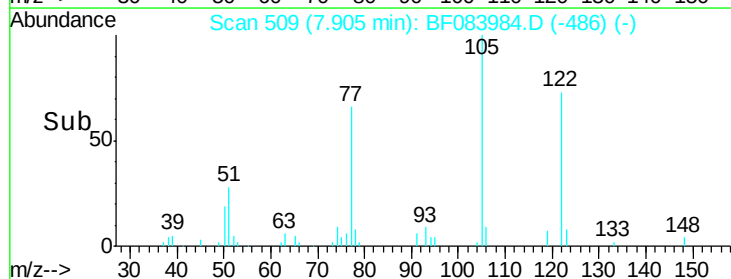
77 93.2 63.5 103.5

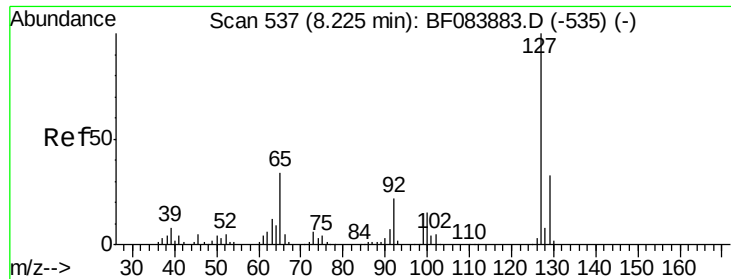


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

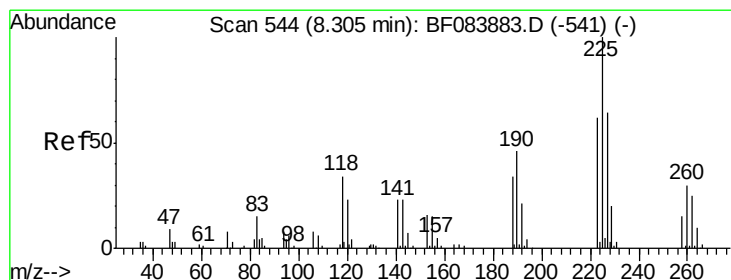
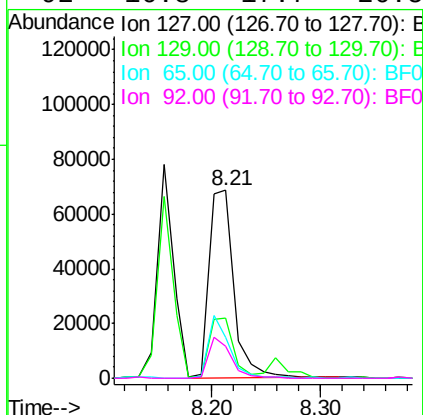
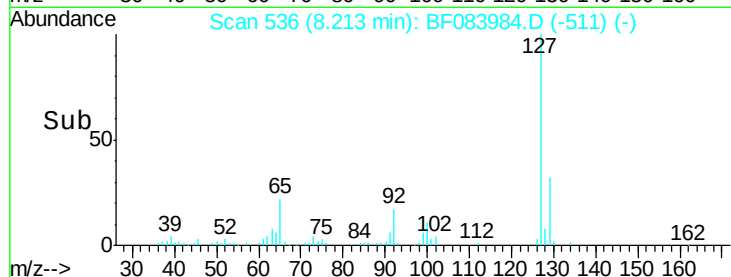
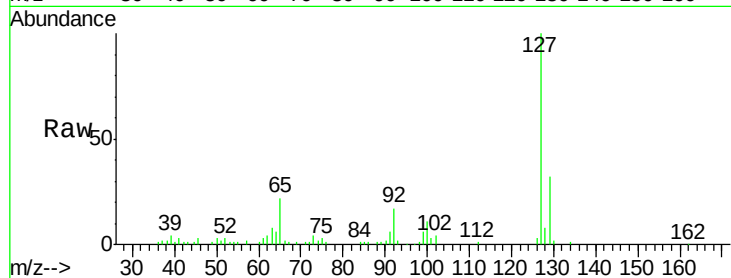




#33
4-Chloroaniline
Concen: 19.59 ng
RT: 8.21 min Scan# 536
Delta R.T. -0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

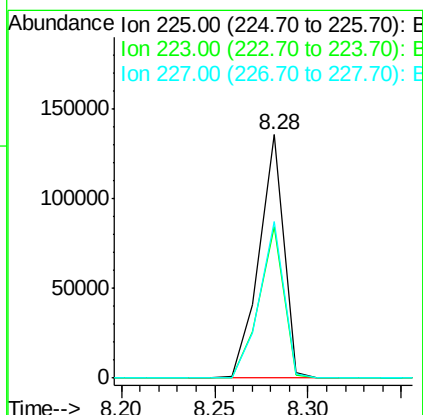
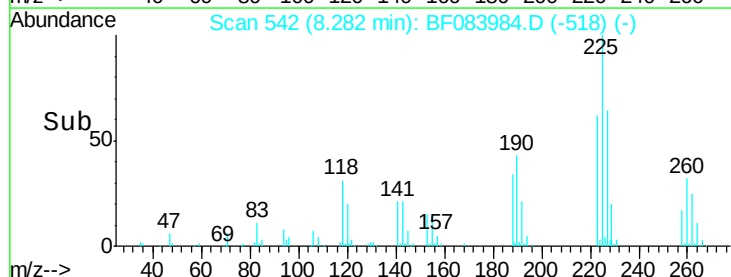
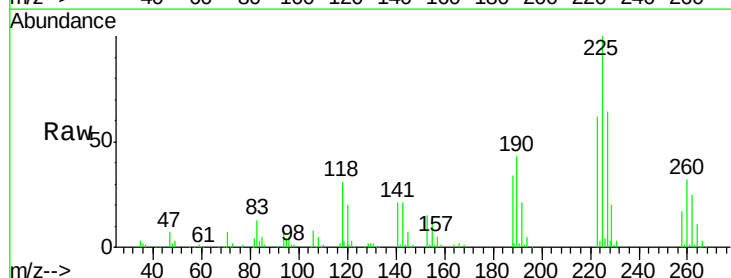
Instrument :
BNA_F
ClientSampleId :
UST-8MSD

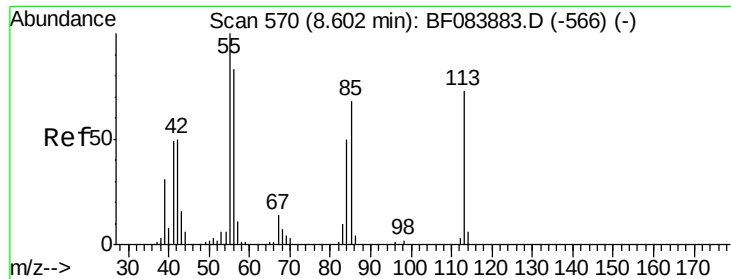
Tgt Ion:	127	Resp:	110028
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.5	39.7
65	21.8	27.2	40.8#
92	16.8	17.7	26.5#



#34
Hexachlorobutadiene
Concen: 50.57 ng
RT: 8.28 min Scan# 542
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion:	225	Resp:	123027
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.4	74.0
227	64.3	50.8	76.2

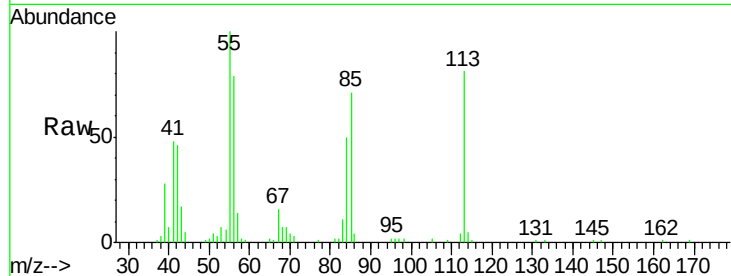




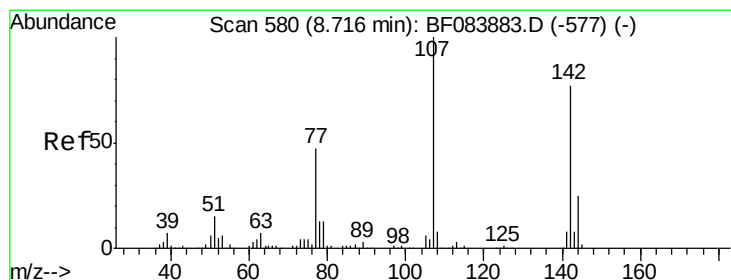
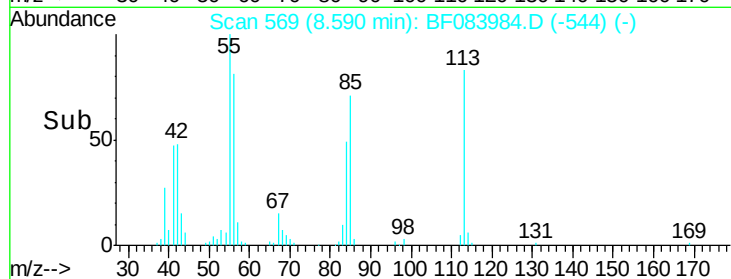
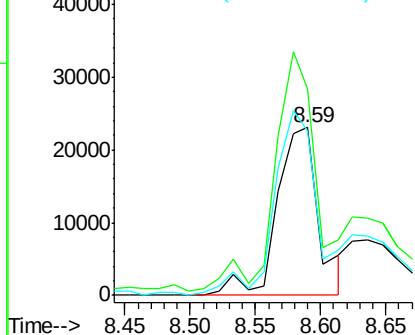
#35
 Caprolactam
 Concen: 42.81 ng
 RT: 8.59 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion:113 Resp: 51308
 Ion Ratio Lower Upper
 113 100
 55 123.4 116.9 156.9
 56 97.6 93.8 133.8

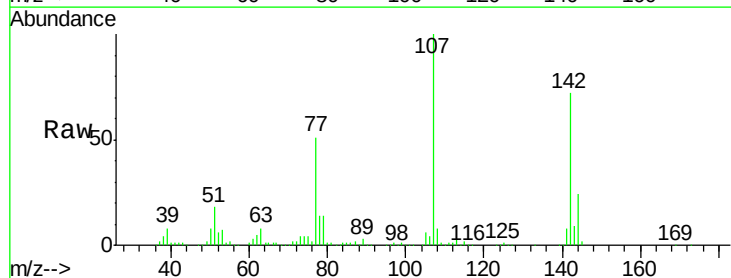


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

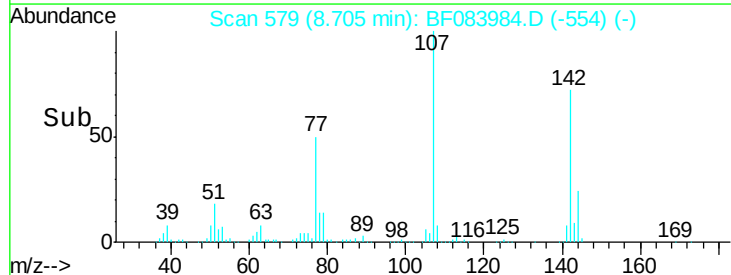
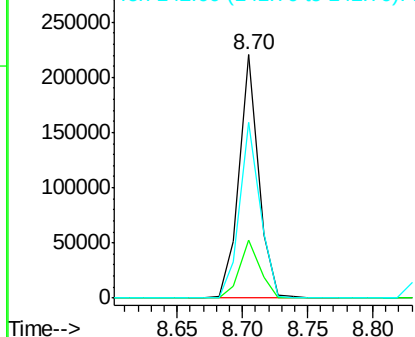


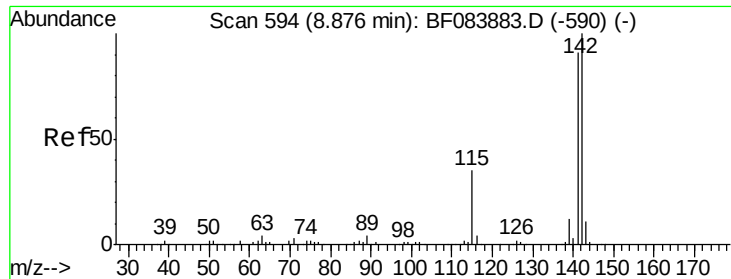
#36
 4-Chloro-3-methylphenol
 Concen: 56.55 ng
 RT: 8.70 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:107 Resp: 229636
 Ion Ratio Lower Upper
 107 100
 144 23.7 19.7 29.5
 142 72.3 61.8 92.6



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

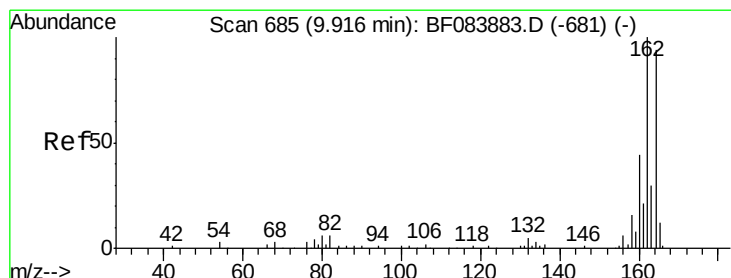
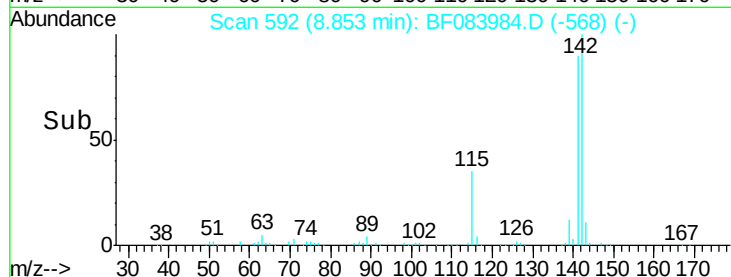
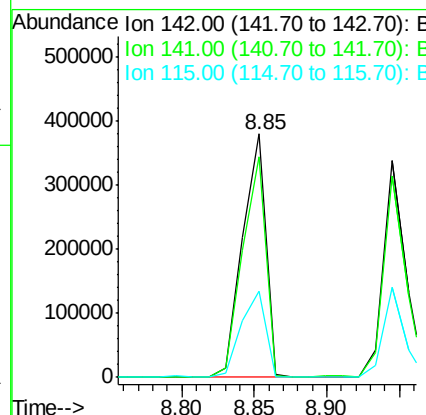
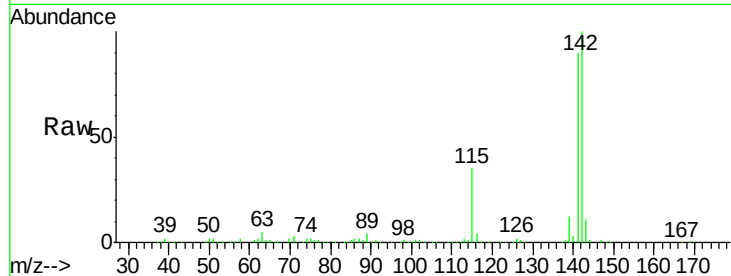




#37
 2-Methylnaphthalene
 Concen: 49.30 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

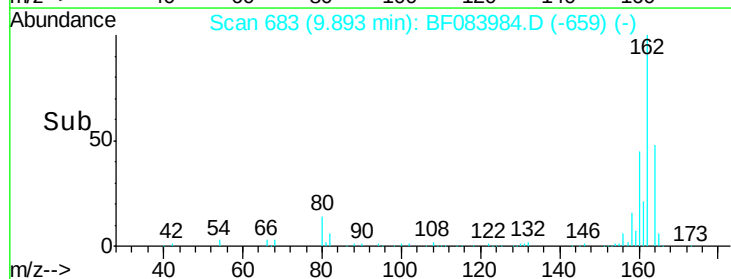
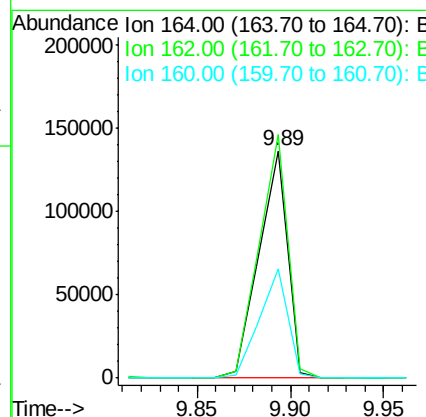
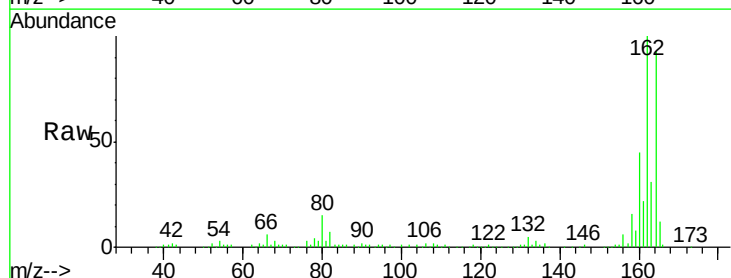
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

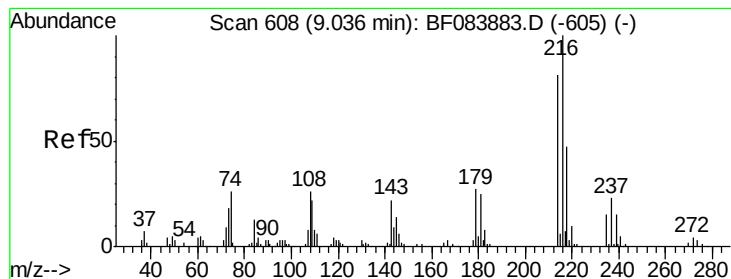
Tgt Ion:142 Resp: 423999
 Ion Ratio Lower Upper
 142 100
 141 90.4 72.4 108.6
 115 35.3 27.9 41.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:164 Resp: 144595
 Ion Ratio Lower Upper
 164 100
 162 107.0 85.1 127.7
 160 47.9 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.27 ng

RT: 9.01 min Scan# 606

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

Tgt Ion:216 Resp: 160801

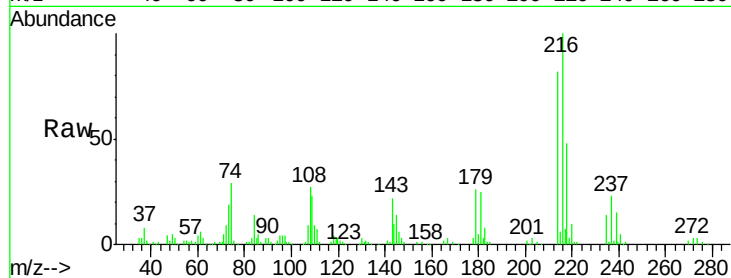
Ion Ratio Lower Upper

216 100

214 79.5 64.2 96.2

179 22.7 18.7 28.1

108 20.7 16.8 25.2

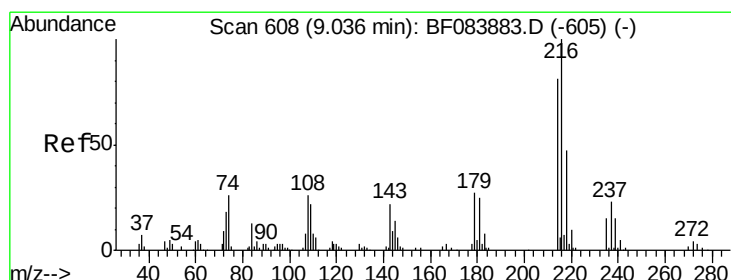
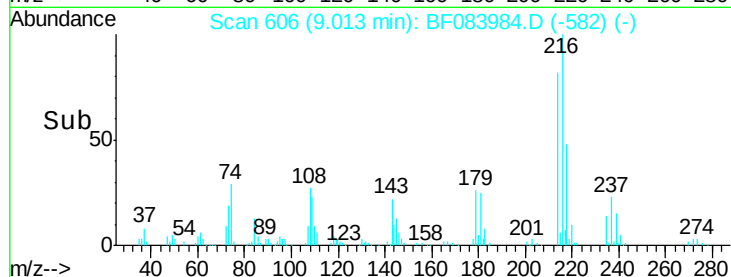
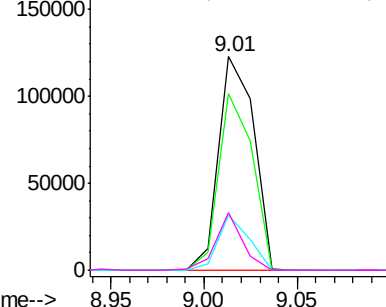


Abundance Ion 216.00 (215.70 to 216.70): E

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: 46.31 ng

RT: 9.00 min Scan# 605

Delta R.T. -0.03 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

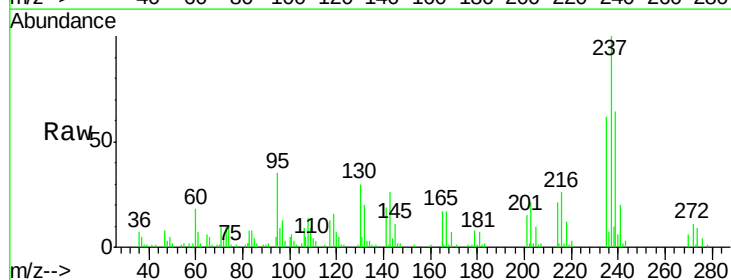
Tgt Ion:237 Resp: 54691

Ion Ratio Lower Upper

237 100

235 62.1 43.1 83.1

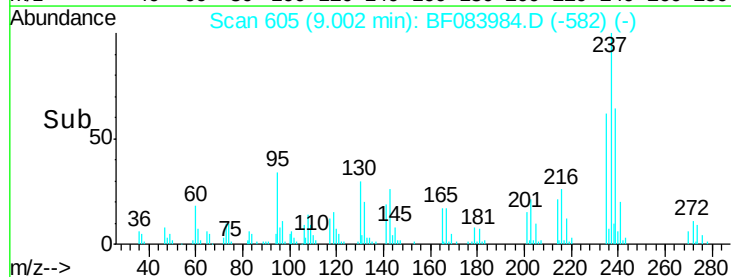
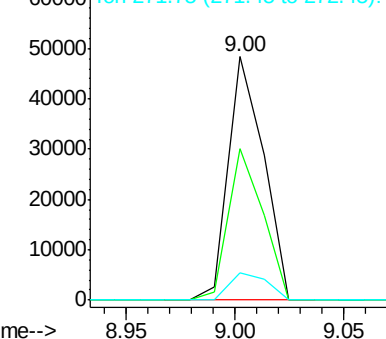
272 11.1 0.0 35.1

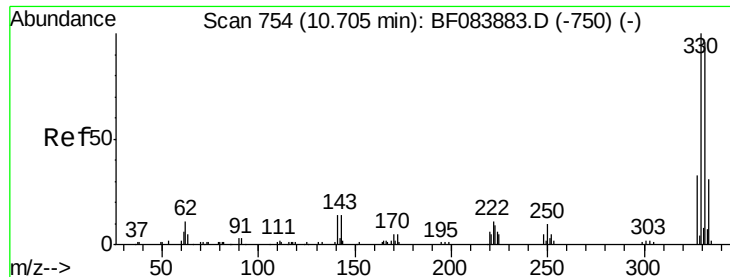


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

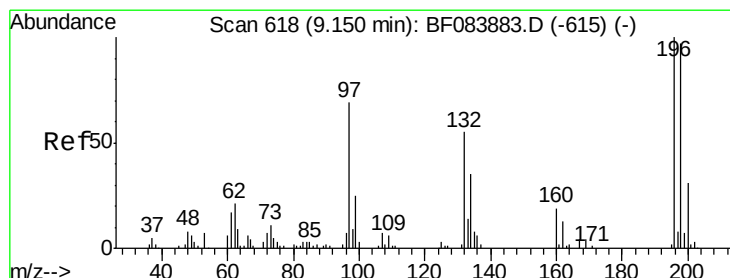
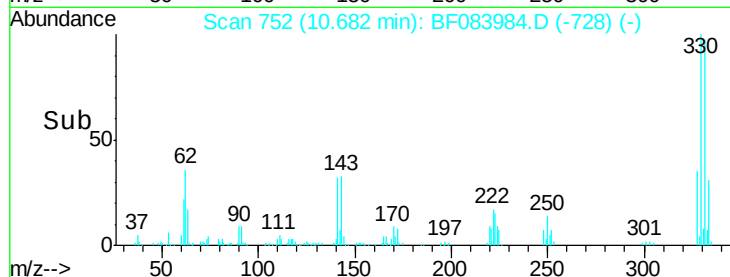
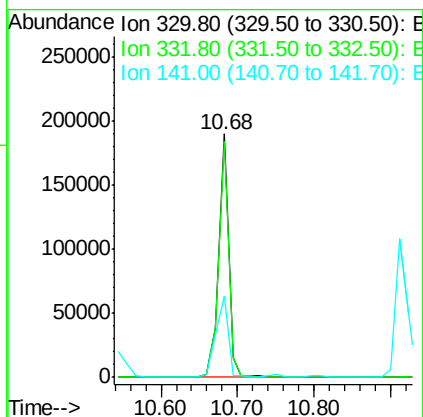
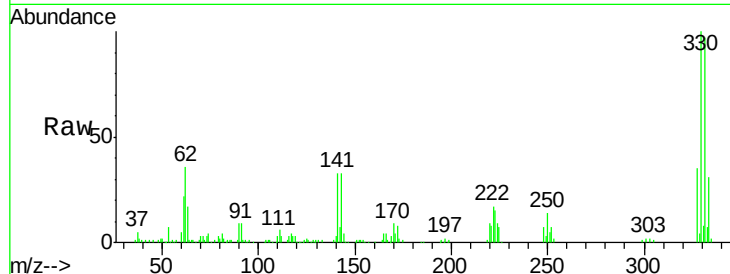




#41
 2,4,6-Tribromophenol
 Concen: 108.21 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

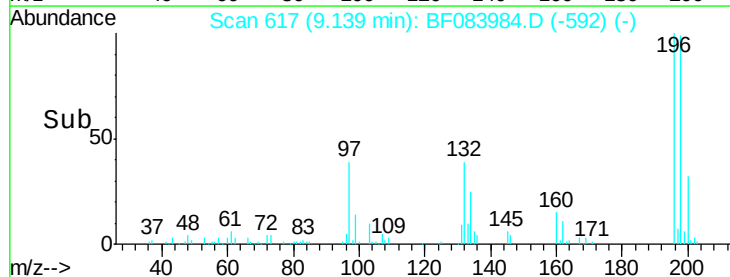
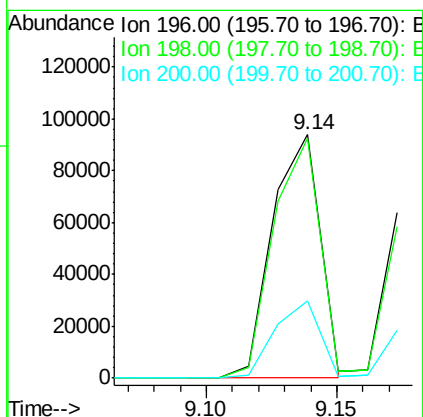
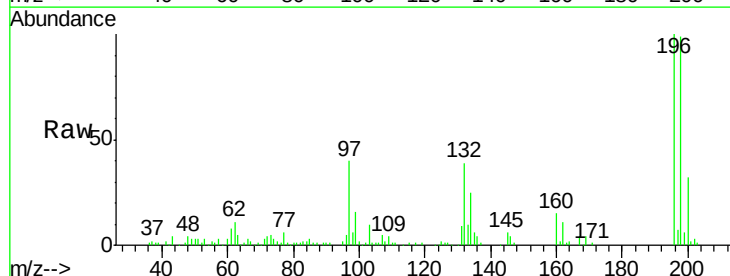
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

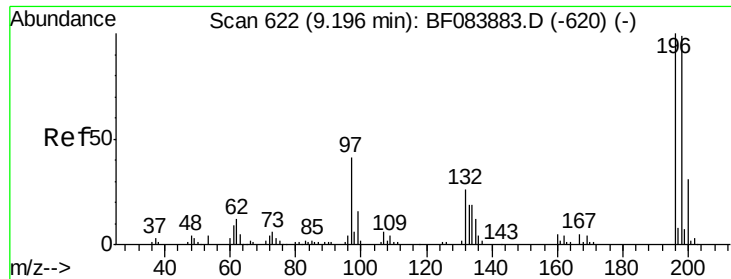
Tgt Ion:330 Resp: 172371
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.6 114.8
 141 40.8 27.8 41.6



#42
 2,4,6-Trichlorophenol
 Concen: 39.64 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:196 Resp: 119335
 Ion Ratio Lower Upper
 196 100
 198 98.6 77.7 116.5
 200 31.8 24.6 37.0

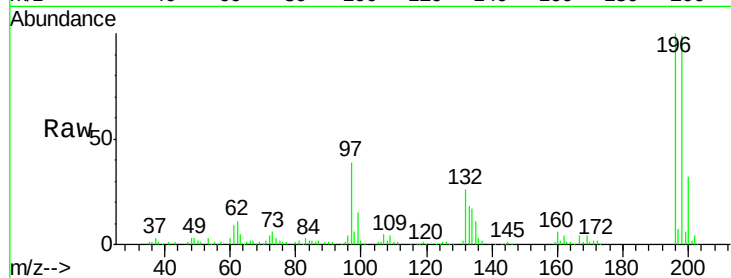




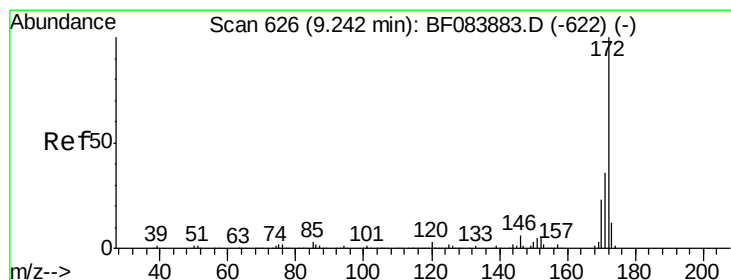
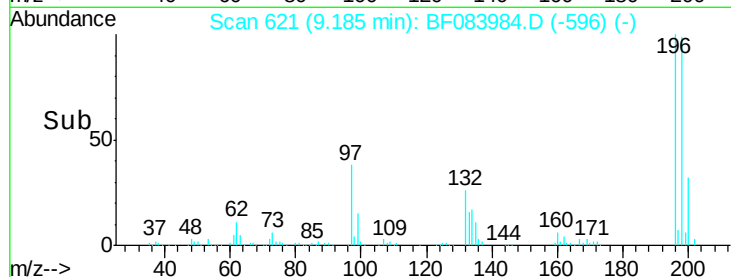
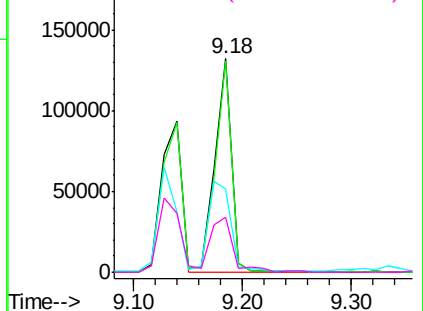
#43
 2,4,5-Trichlorophenol
 Concen: 48.15 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion:	196	Resp:	143431
Ion	Ratio	Lower	Upper
196	100		
198	99.0	79.0	118.6
97	39.0	33.0	49.6
132	26.1	21.1	31.7

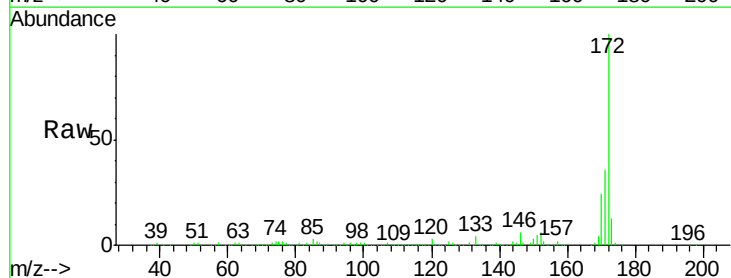


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

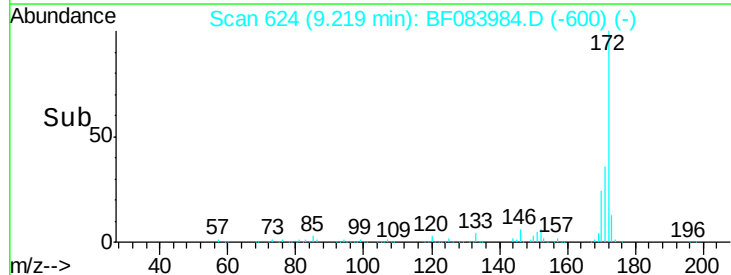
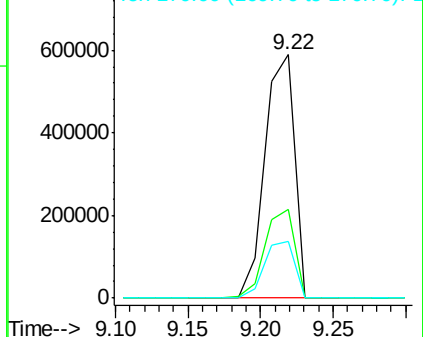


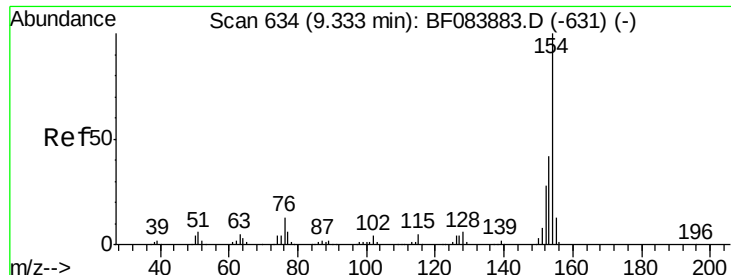
#44
 2-Fluorobiphenyl
 Concen: 80.19 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:	172	Resp:	833175
Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	23.6	18.6	27.8



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

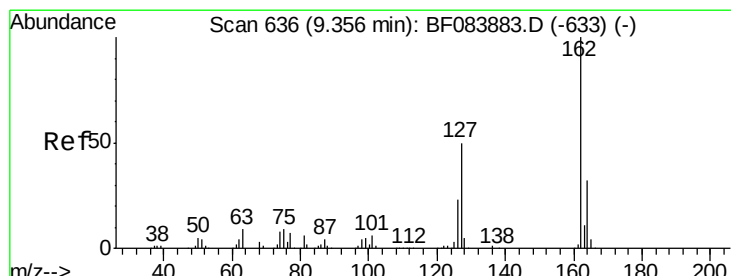
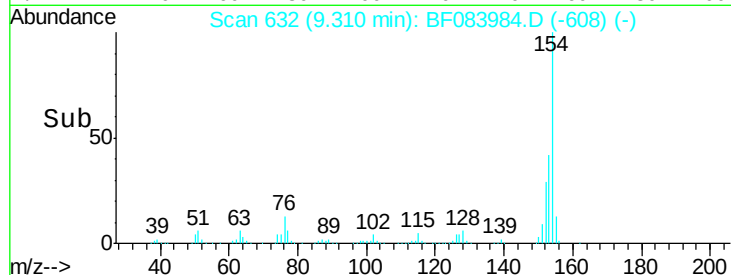
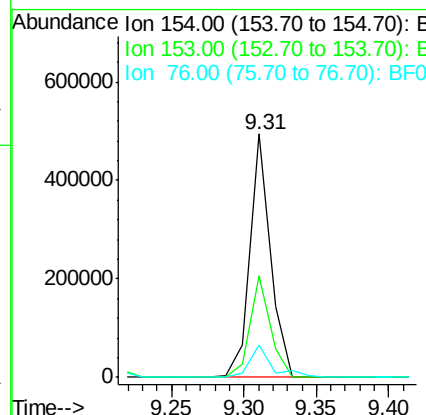
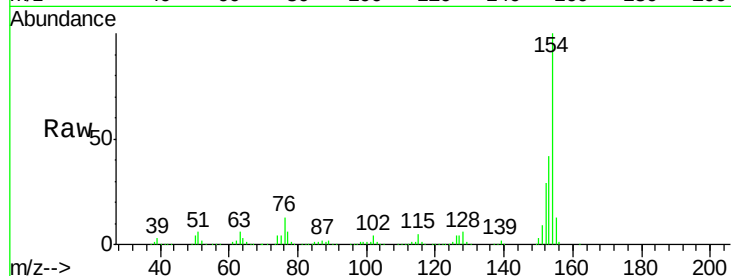




#45
 1,1'-Biphenyl
 Concen: 39.86 ng
 RT: 9.31 min Scan# 632
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

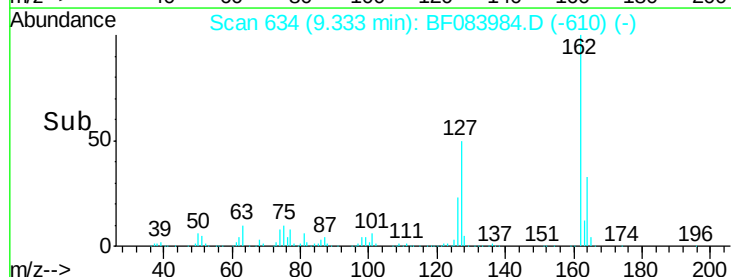
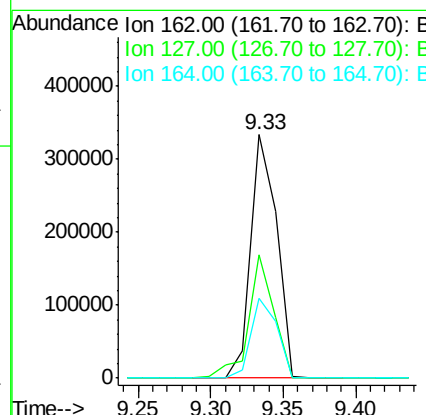
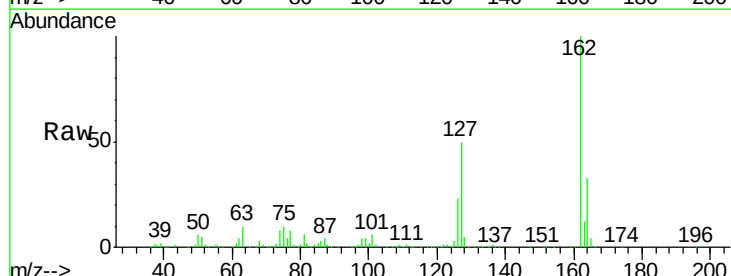
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

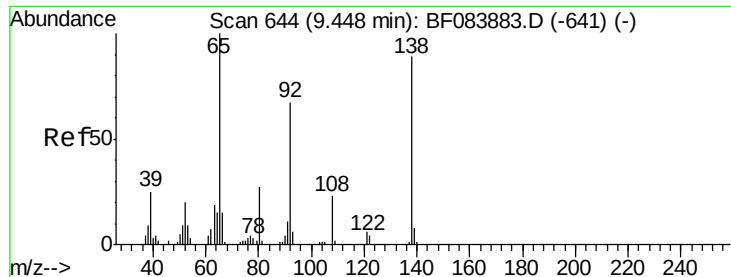
Tgt Ion:	154	Resp:	486058
Ion Ratio	Lower	Upper	
154	100		
153	41.7	21.6	61.6
76	13.2	0.0	32.7



#46
 2-Chloronaphthalene
 Concen: 43.47 ng
 RT: 9.33 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:	162	Resp:	413559
Ion Ratio	Lower	Upper	
162	100		
127	50.4	40.2	60.4
164	32.6	25.7	38.5





#47

2-Nitroaniline

Concen: 49.69 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

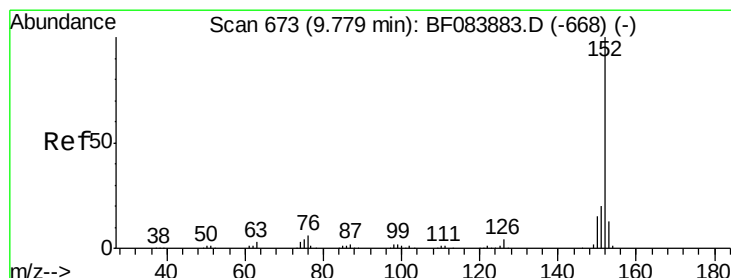
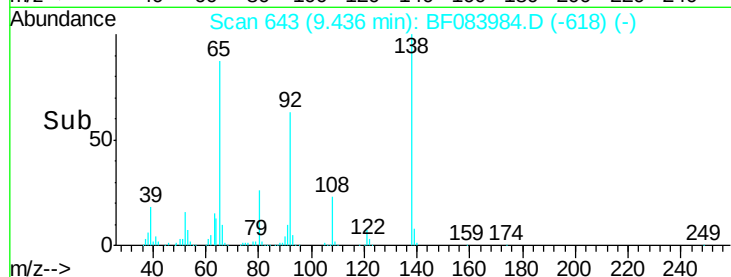
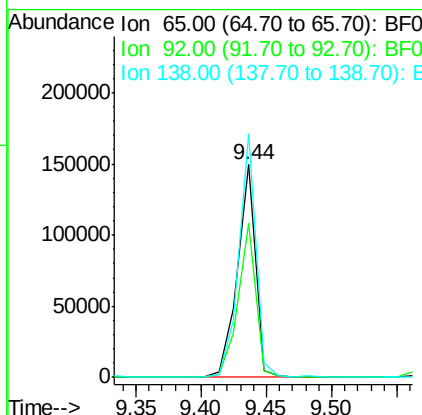
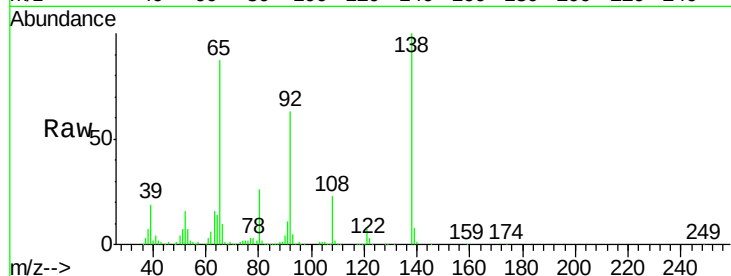
Tgt Ion: 65 Resp: 142103

Ion Ratio Lower Upper

65 100

92 72.7 53.4 80.2

138 114.6 71.1 106.7#



#48

Acenaphthylene

Concen: 40.97 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

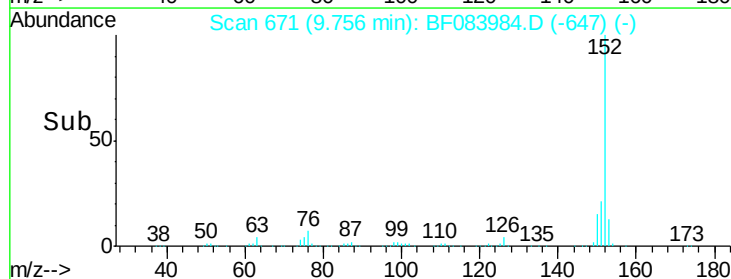
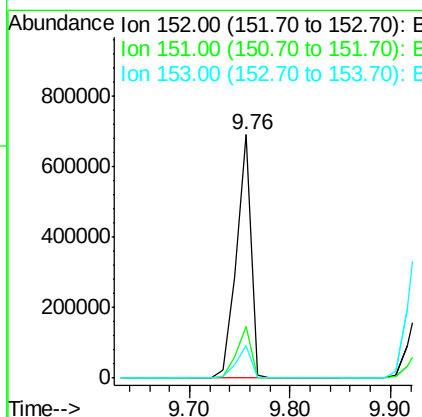
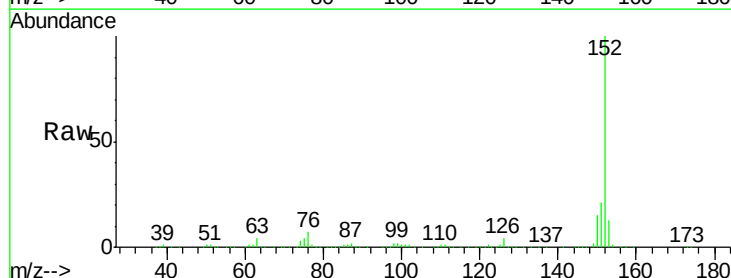
Tgt Ion: 152 Resp: 690600

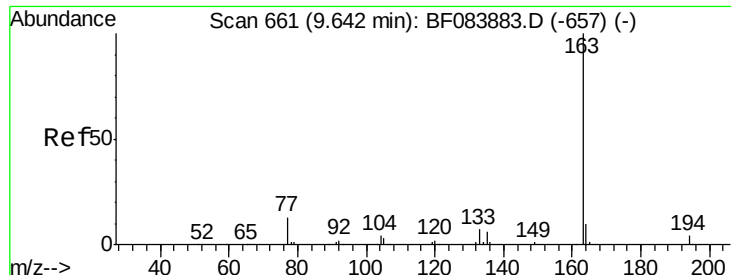
Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

153 13.3 10.4 15.6





#49

Dimethylphthalate

Concen: 59.68 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

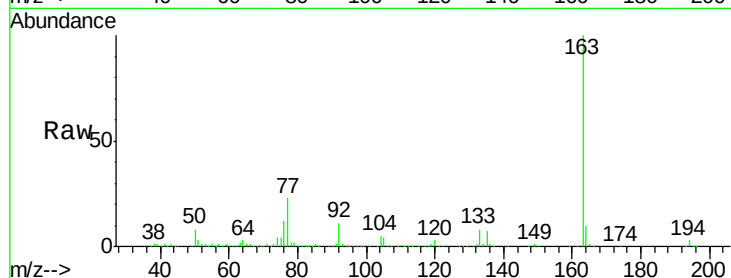
Tgt Ion:163 Resp: 724103

Ion Ratio Lower Upper

163 100

194 3.2 8.0 12.0#

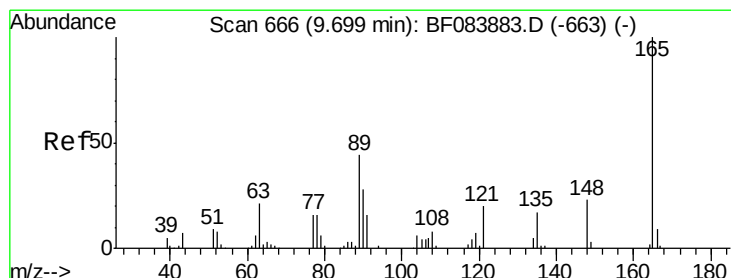
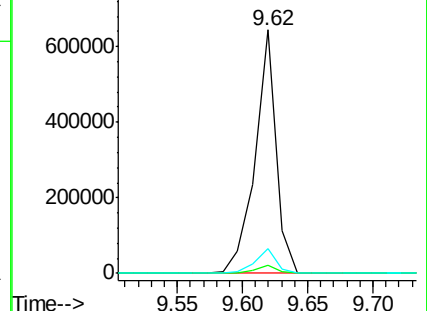
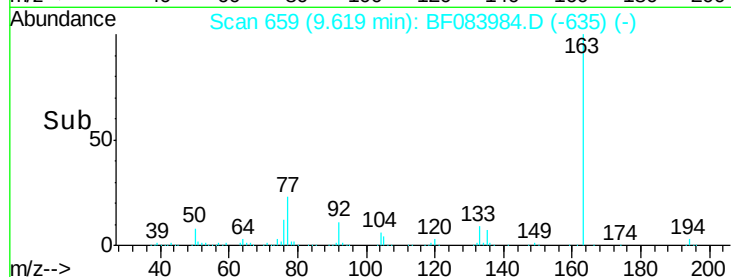
164 10.4 8.0 12.0



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: 40.86 ng

RT: 9.68 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

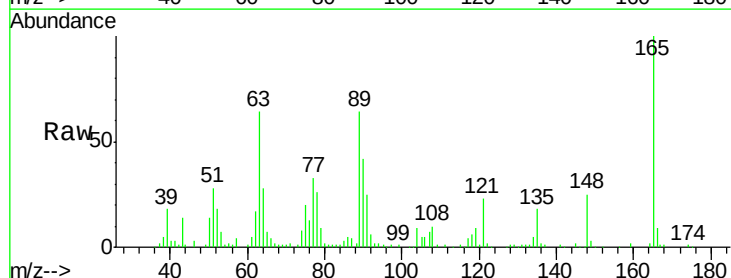
Tgt Ion:165 Resp: 108143

Ion Ratio Lower Upper

165 100

63 63.6 28.8 43.2#

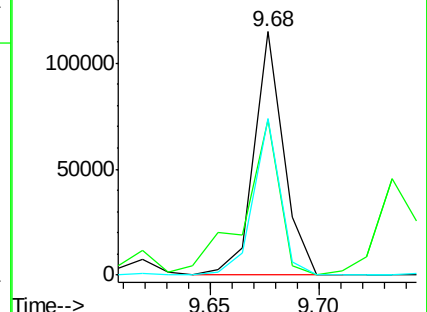
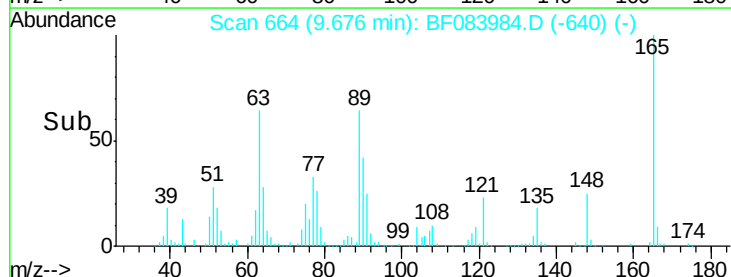
89 64.2 35.1 52.7#

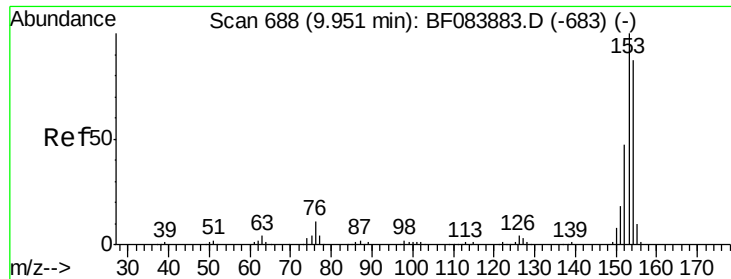


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 41.11 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

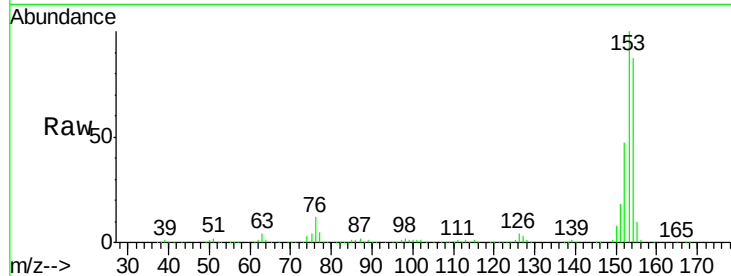
Tgt Ion:154 Resp: 426123

Ion Ratio Lower Upper

154 100

153 115.2 91.5 137.3

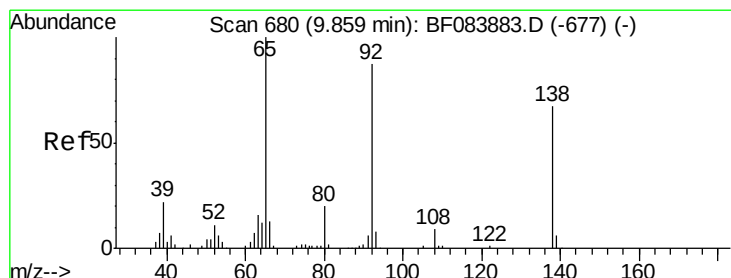
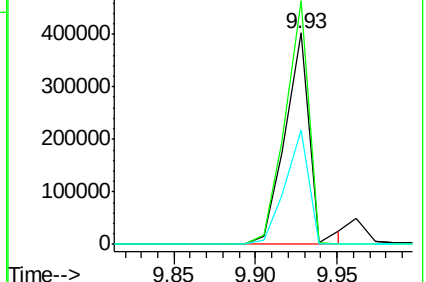
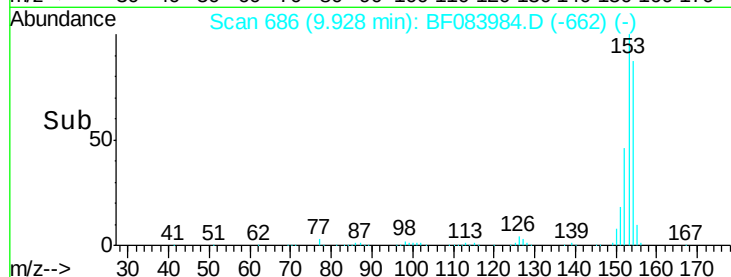
152 54.2 43.0 64.6



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: 34.16 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

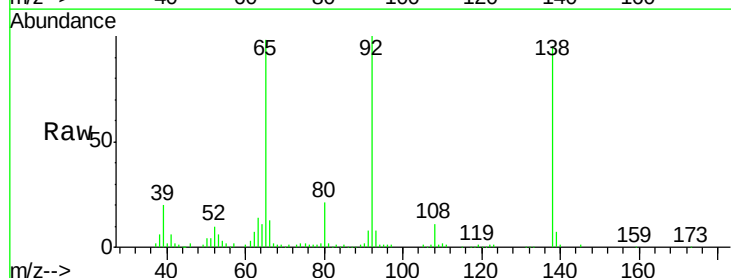
Tgt Ion:138 Resp: 95292

Ion Ratio Lower Upper

138 100

108 11.2 10.5 15.7

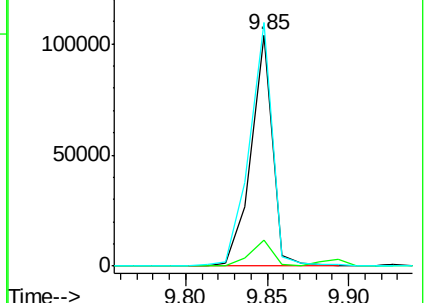
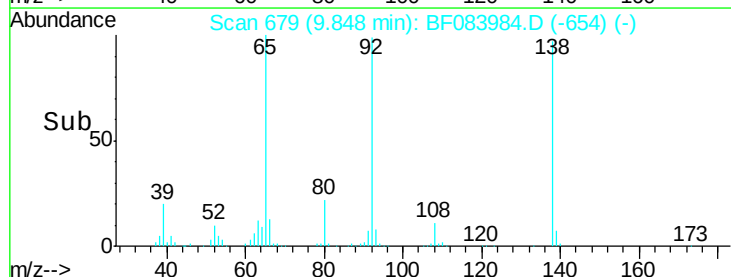
92 105.5 103.9 155.9

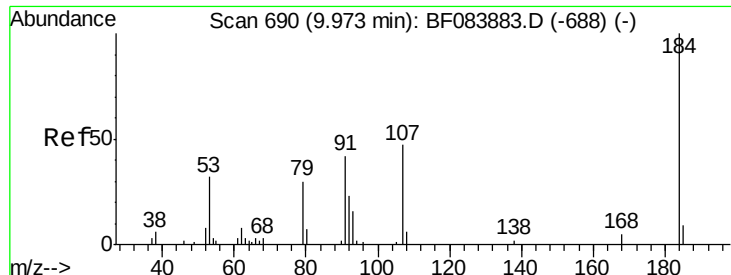


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

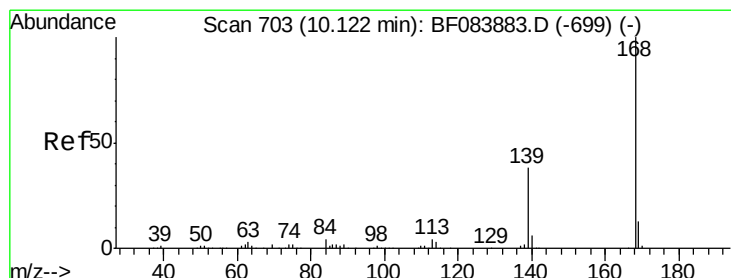
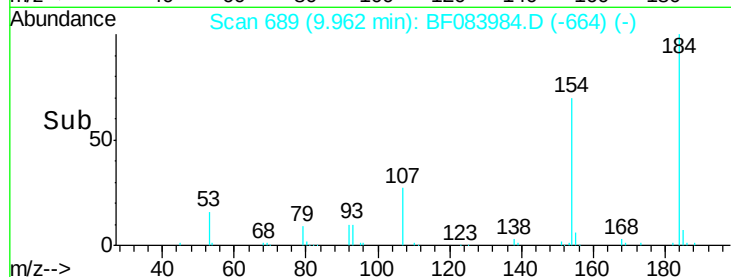
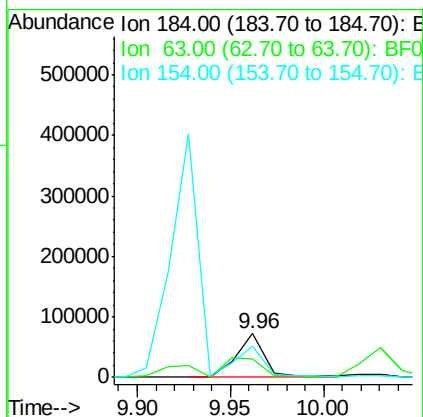
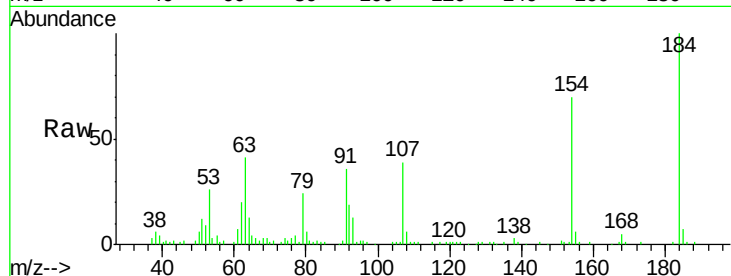




#53
2,4-Dinitrophenol
Concen: 82.34 ng
RT: 9.96 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

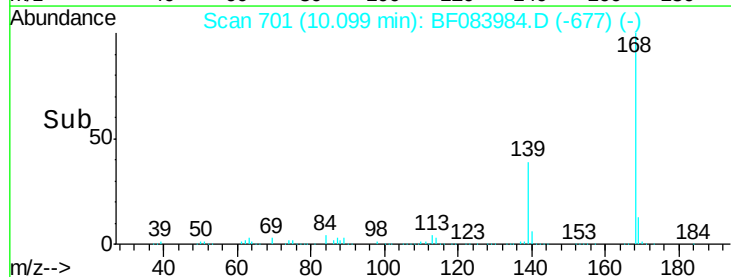
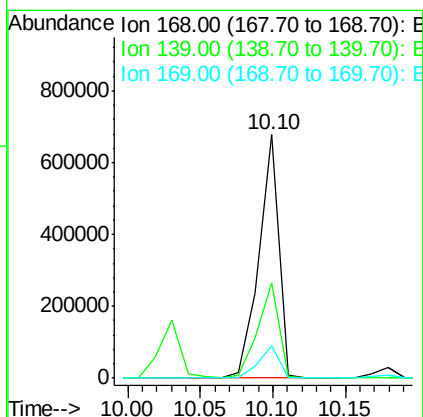
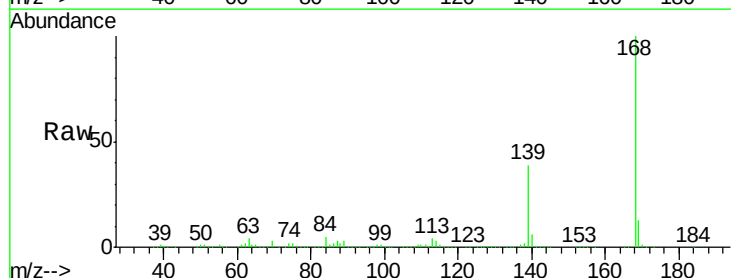
Instrument :
BNA_F
ClientSampleId :
UST-8MSD

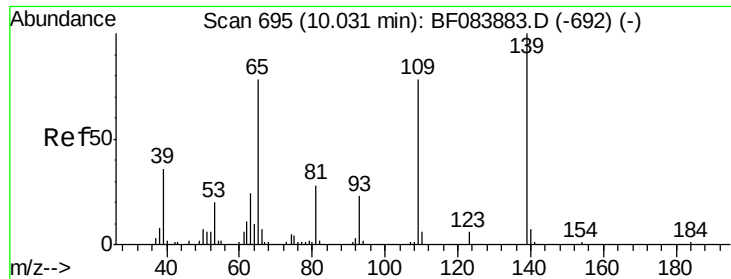
Tgt Ion:184 Resp: 78579
Ion Ratio Lower Upper
184 100
63 41.4 43.1 64.7#
154 70.0 60.5 90.7



#54
Dibenzofuran
Concen: 48.00 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion:168 Resp: 646161
Ion Ratio Lower Upper
168 100
139 39.2 30.5 45.7
169 13.3 10.4 15.6

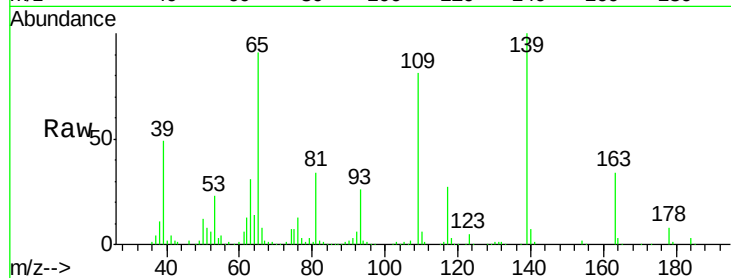




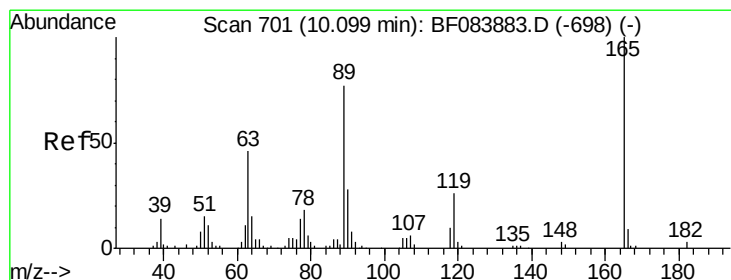
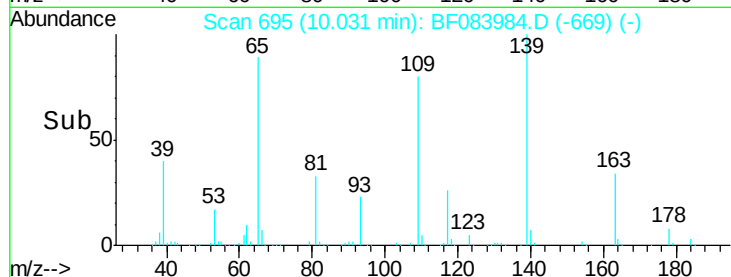
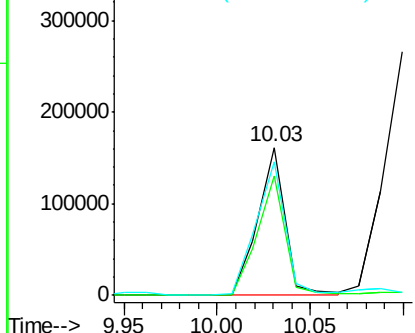
#55
4-Nitrophenol
Concen: 94.21 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Instrument :
BNA_F
ClientSampleId :
UST-8MSD

Tgt Ion:139 Resp: 164093
Ion Ratio Lower Upper
139 100
109 81.1 58.5 98.5
65 90.6 57.6 97.6



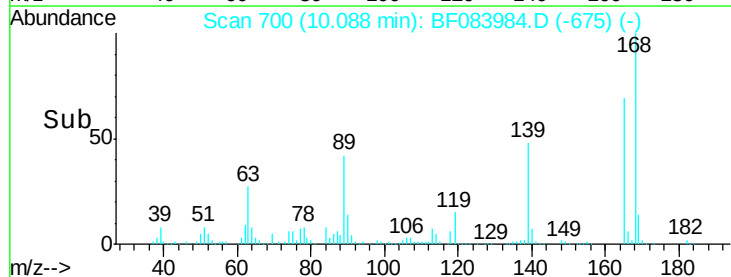
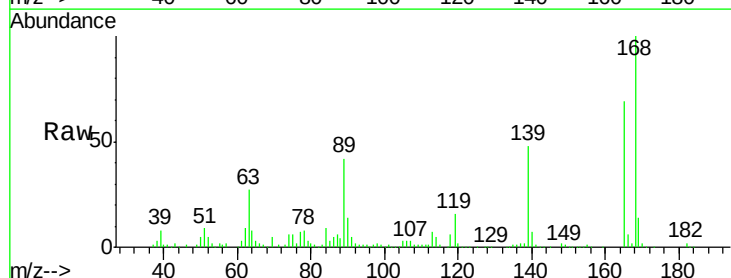
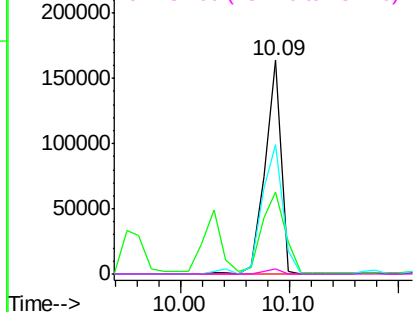
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

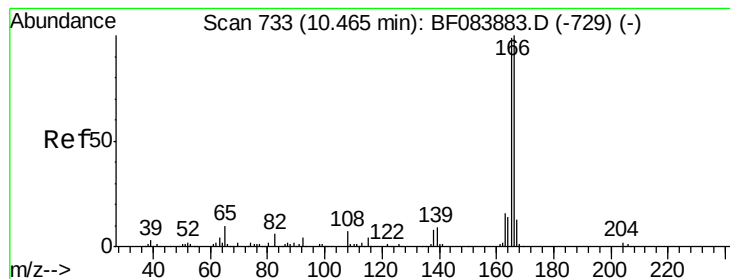


#56
2,4-Dinitrotoluene
Concen: 50.31 ng
RT: 10.09 min Scan# 700
Delta R.T. -0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion:165 Resp: 170672
Ion Ratio Lower Upper
165 100
63 38.7 36.7 55.1
89 60.8 61.9 92.9#
182 2.5 2.0 3.0

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 47.93 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

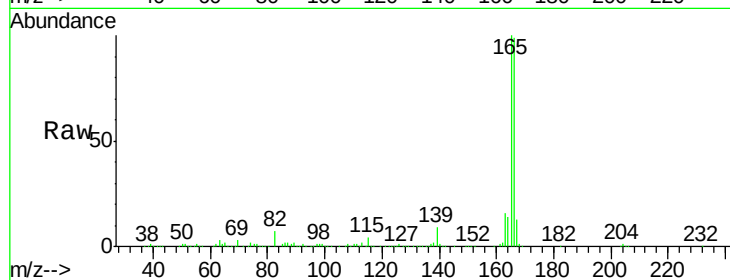
Tgt Ion:166 Resp: 488665

Ion Ratio Lower Upper

166 100

165 100.7 79.1 118.7

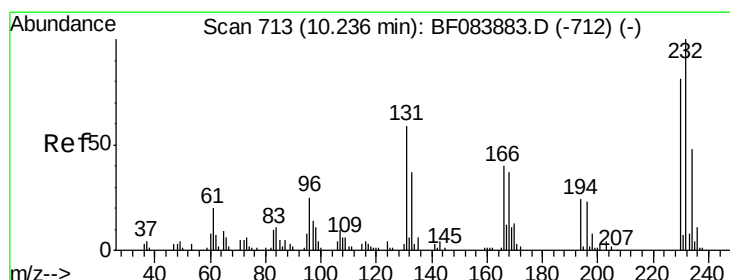
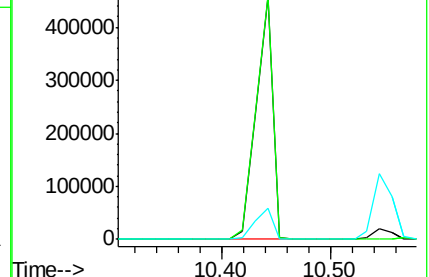
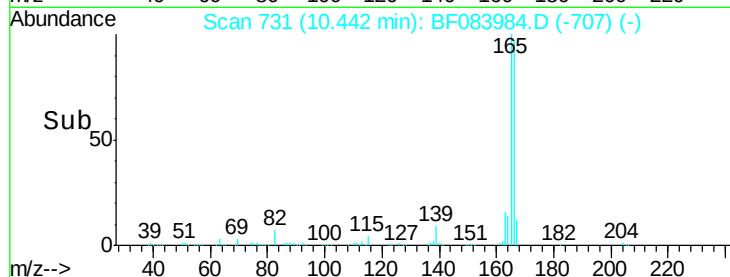
167 13.1 10.4 15.6



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: 49.38 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Tgt Ion:232 Resp: 108842

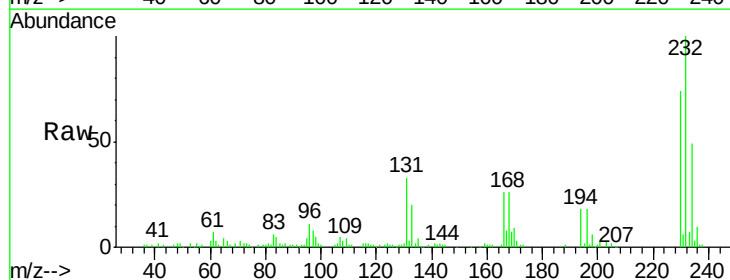
Ion Ratio Lower Upper

232 100

131 54.8 47.0 70.6

130 3.3 2.0 3.0#

166 33.5 30.5 45.7

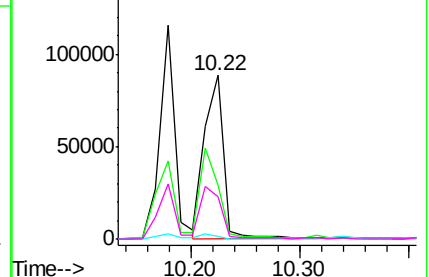
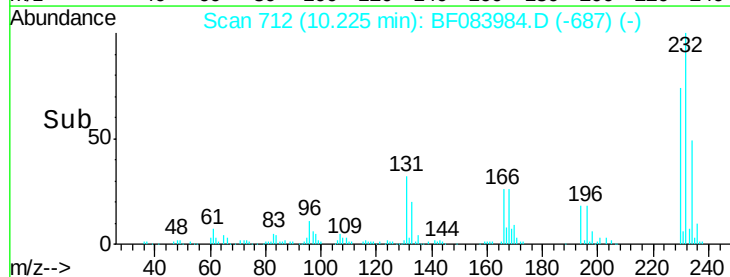


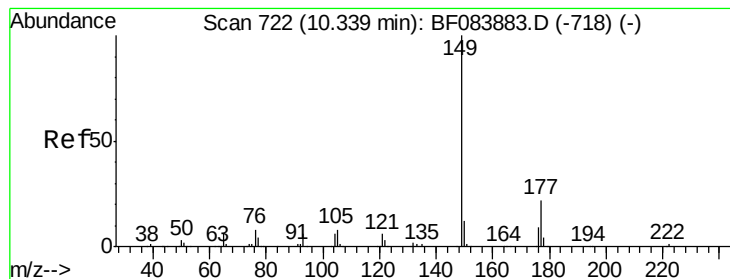
Abundance Ion 232.00 (231.70 to 232.70): E

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: 40.53 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

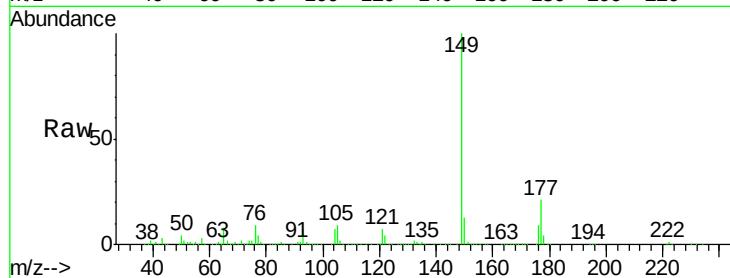
Tgt Ion:149 Resp: 508369

Ion Ratio Lower Upper

149 100

177 20.8 17.3 25.9

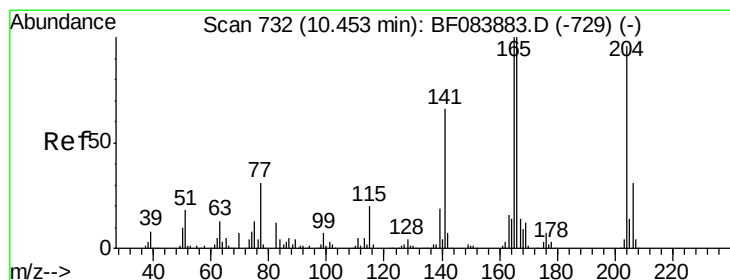
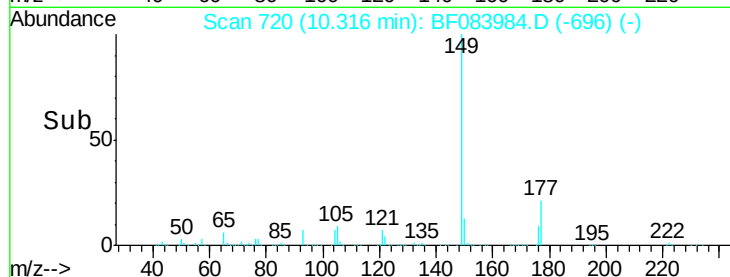
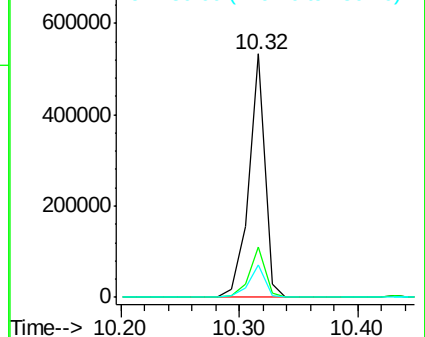
150 13.2 9.8 14.8



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: 43.51 ng

RT: 10.43 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

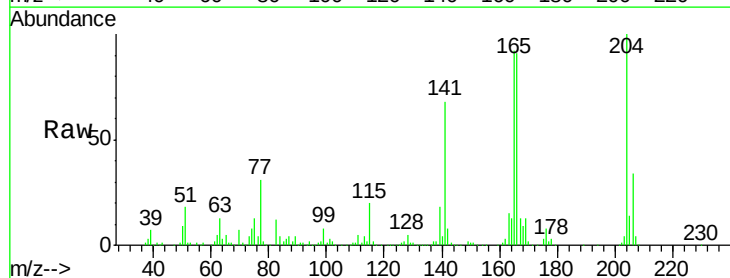
Tgt Ion:204 Resp: 224473

Ion Ratio Lower Upper

204 100

206 33.6 25.7 38.5

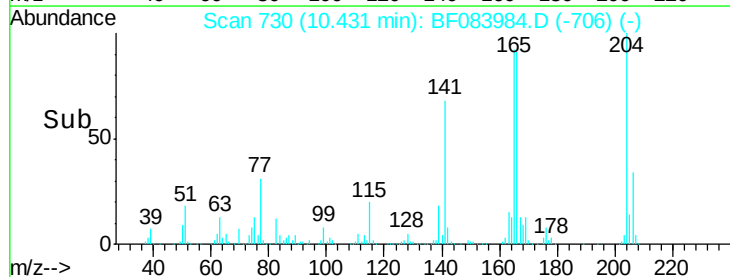
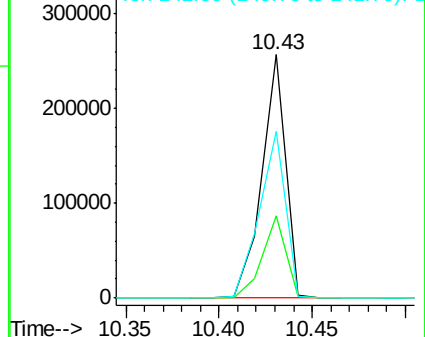
141 68.4 55.1 82.7

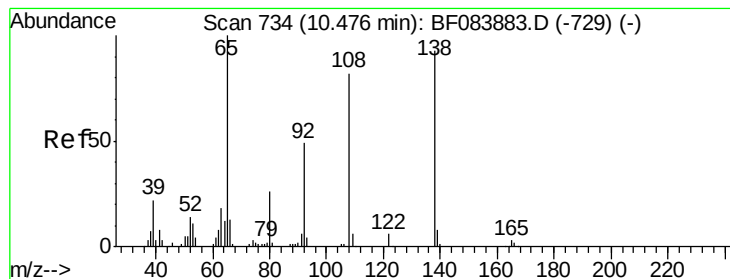


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 42.80 ng

RT: 10.46 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

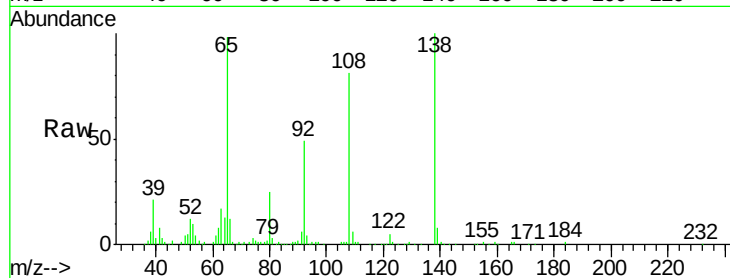
Tgt Ion:138 Resp: 123553

Ion Ratio Lower Upper

138 100

92 49.1 32.6 72.6

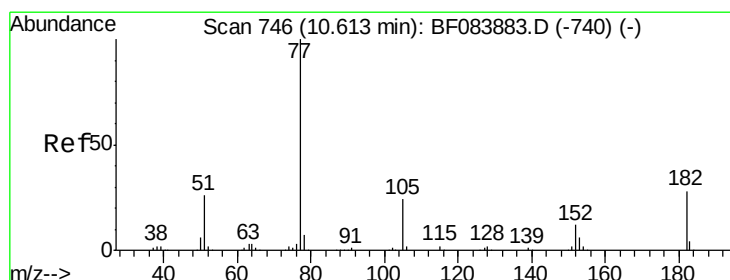
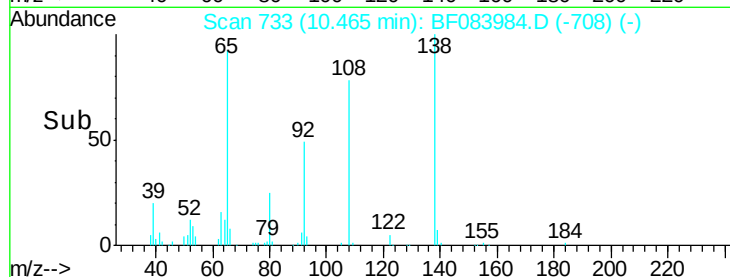
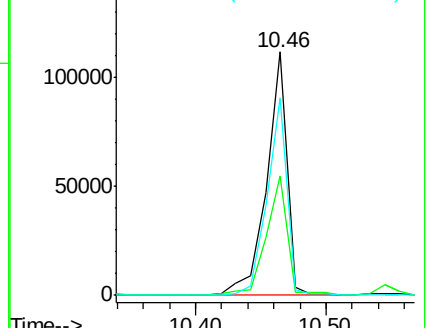
108 80.9 68.6 108.6



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: 49.63 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Tgt Ion: 77 Resp: 521779

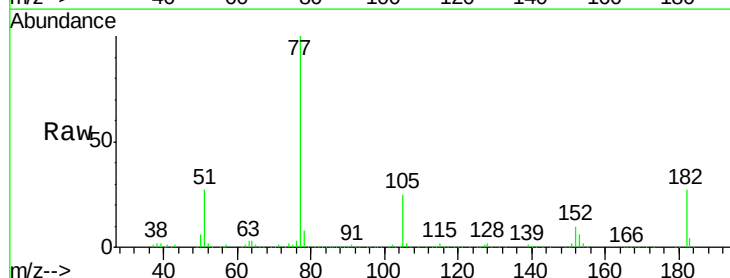
Ion Ratio Lower Upper

77 100

182 26.5 8.3 48.3

105 25.1 4.6 44.6

51 26.6 6.2 46.2

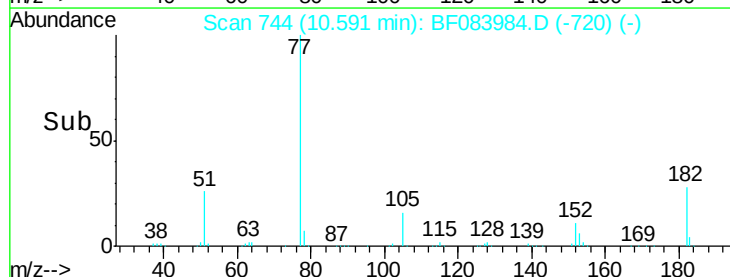
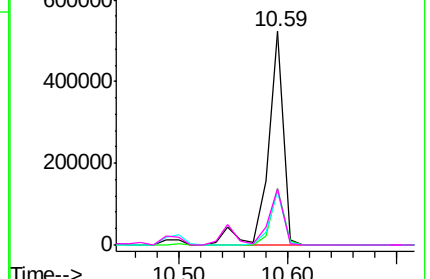


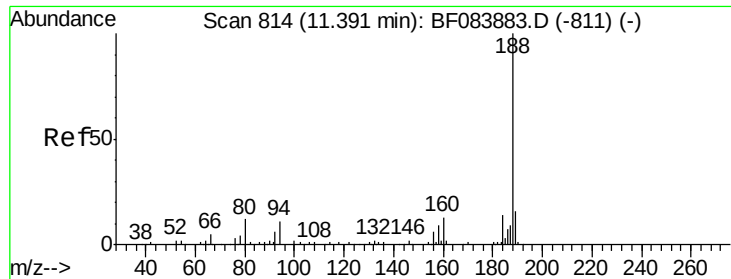
Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.37 min Scan# 812

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

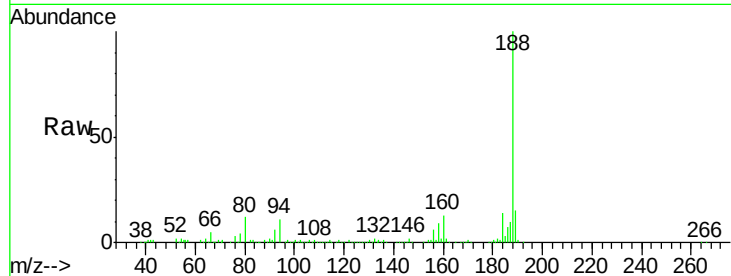
Tgt Ion:188 Resp: 241650

Ion Ratio Lower Upper

188 100

94 10.8 9.0 13.4

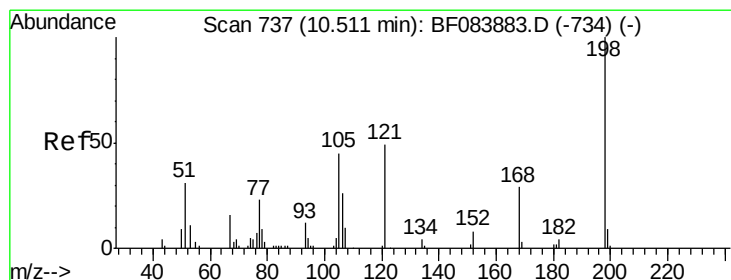
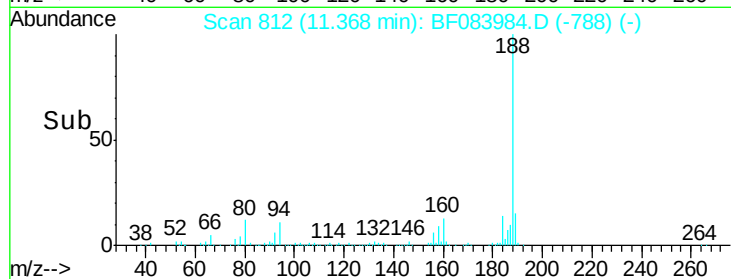
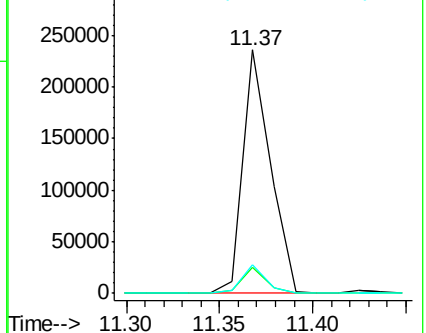
80 11.6 9.6 14.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 49.98 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

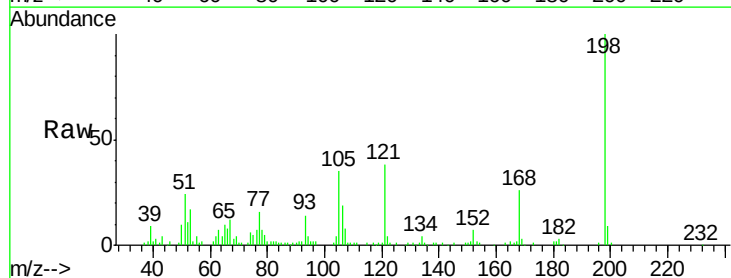
Tgt Ion:198 Resp: 74486

Ion Ratio Lower Upper

198 100

51 24.2 18.9 58.9

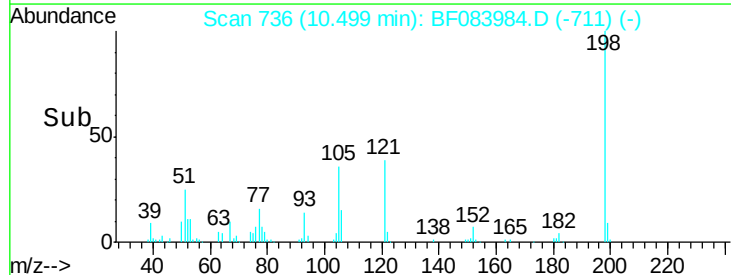
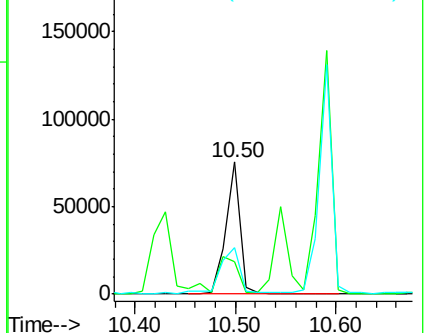
105 35.2 26.4 66.4

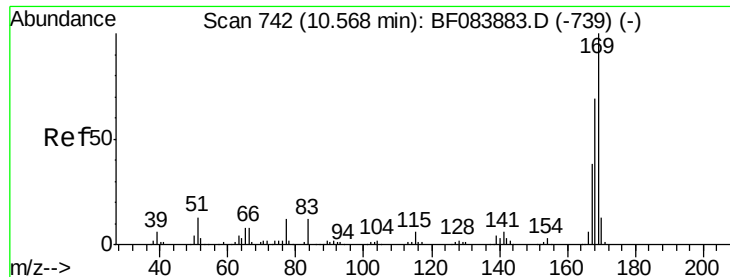


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.75 ng

RT: 10.54 min Scan# 740

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

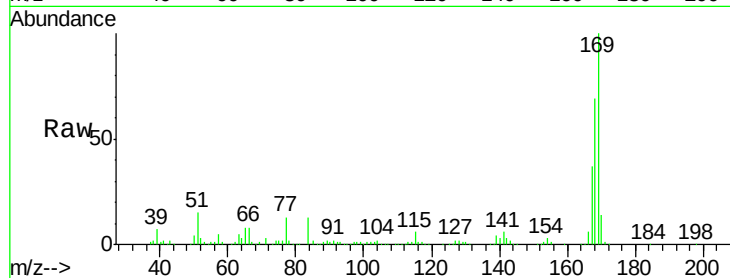
Tgt Ion:169 Resp: 411120

Ion Ratio Lower Upper

169 100

168 68.5 55.1 82.7

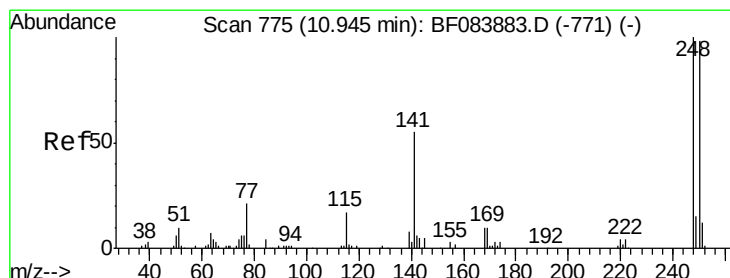
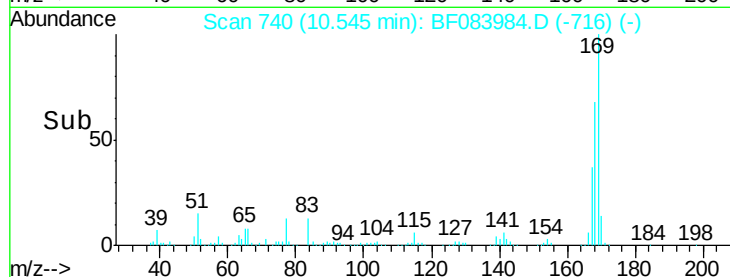
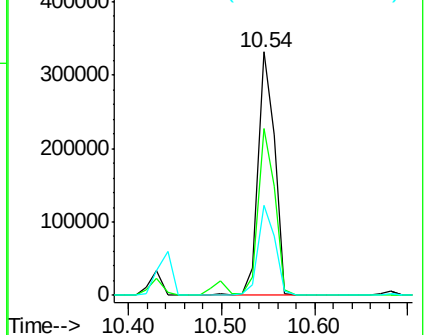
167 37.2 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 42.37 ng

RT: 10.92 min Scan# 773

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

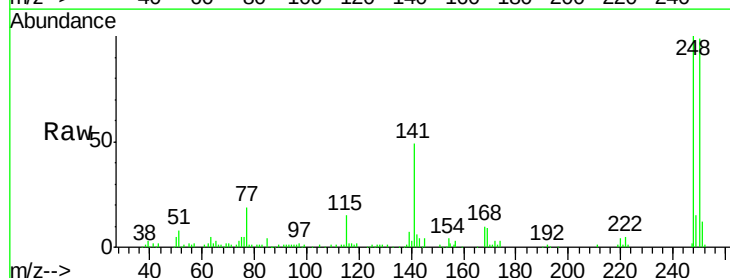
Tgt Ion:248 Resp: 125186

Ion Ratio Lower Upper

248 100

250 99.4 78.4 117.6

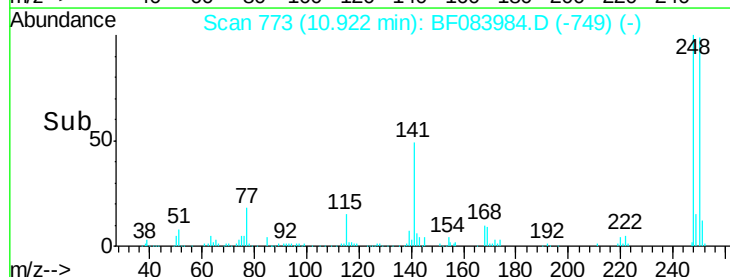
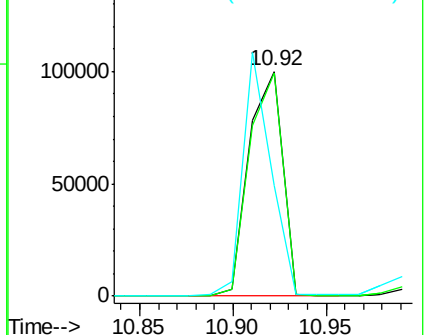
141 49.4 44.0 66.0

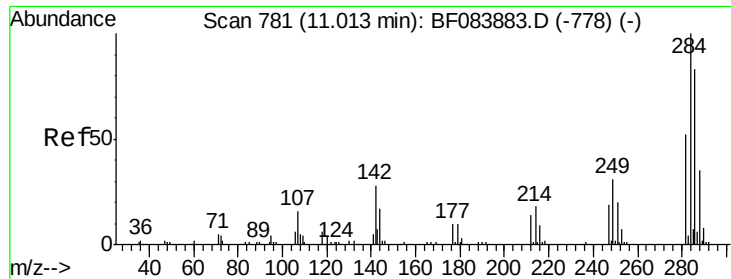


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

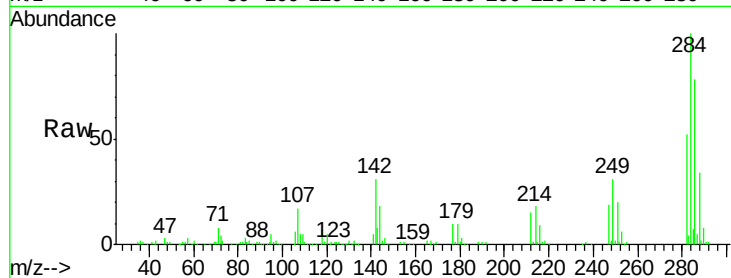




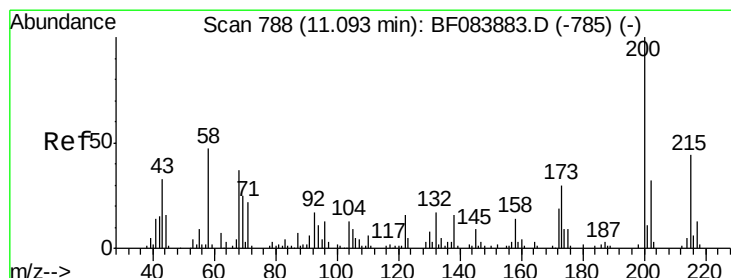
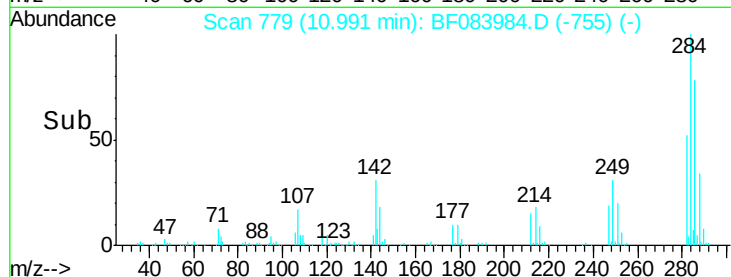
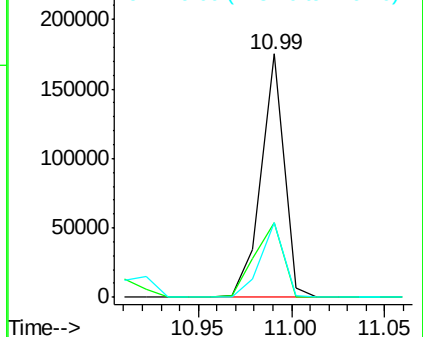
#67
Hexachlorobenzene
Concen: 47.89 ng
RT: 10.99 min Scan# 779
Delta R.T. -0.02 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Instrument :
BNA_F
ClientSampleId :
UST-8MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.9	22.2	33.4
249	30.6	24.6	37.0

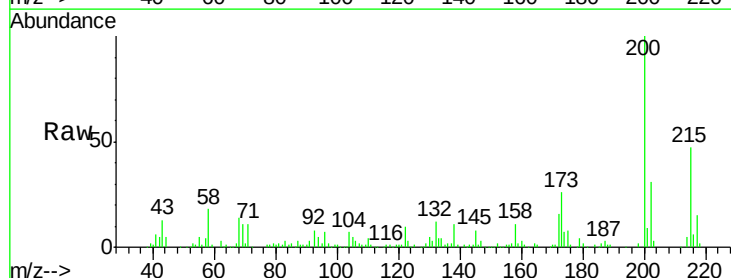


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

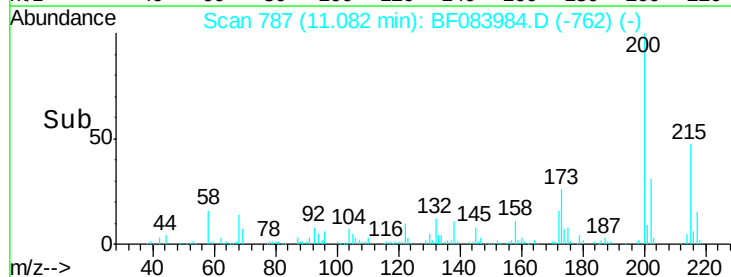
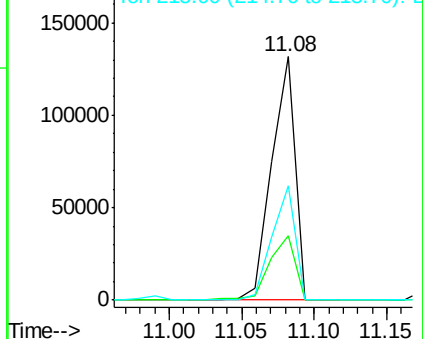


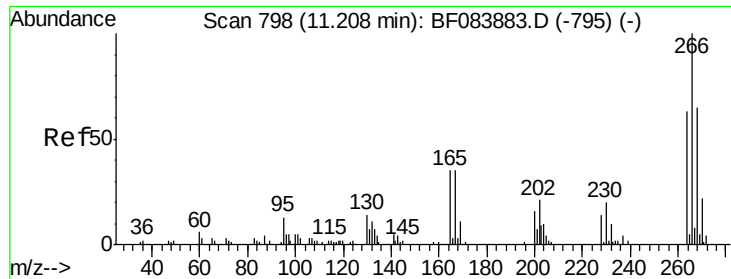
#68
Atrazine
Concen: 52.95 ng
RT: 11.08 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.5	9.5	49.5
215	46.8	23.8	63.8



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

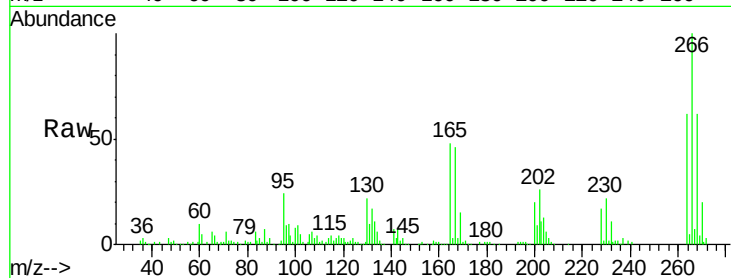




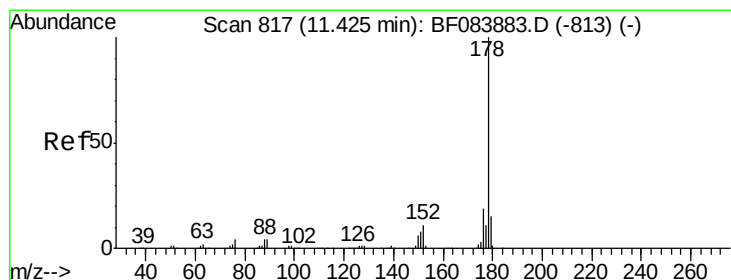
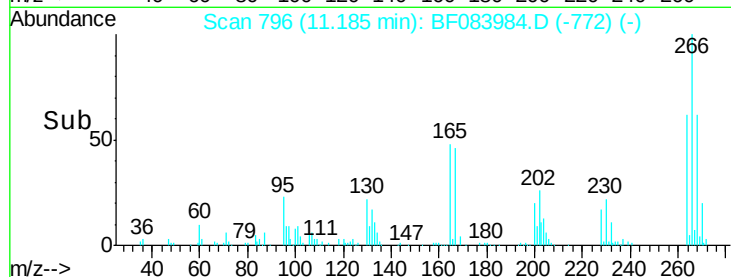
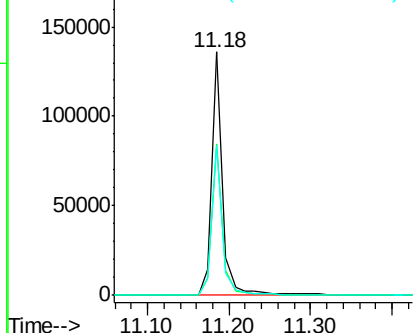
#69
 Pentachlorophenol
 Concen: 96.95 ng
 RT: 11.18 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion:266 Resp: 129377
 Ion Ratio Lower Upper
 266 100
 268 62.0 52.4 78.6
 264 61.7 50.2 75.2

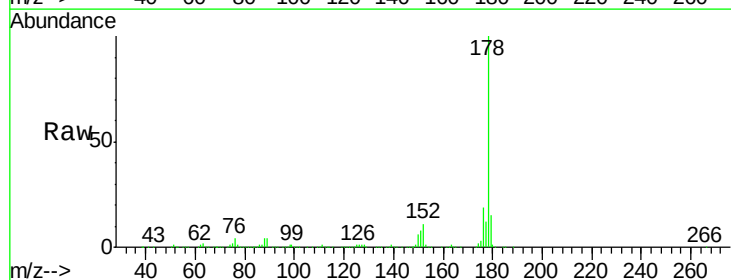


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

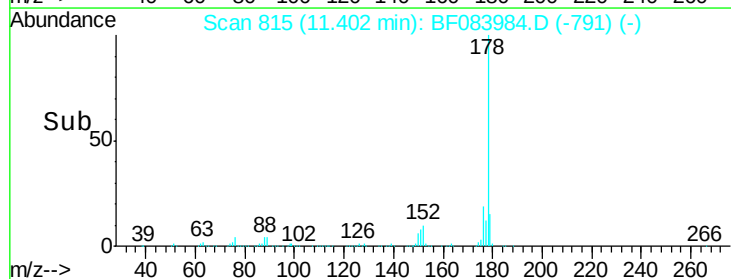
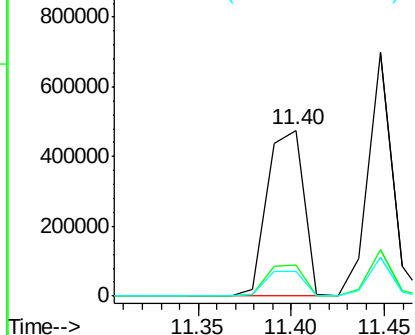


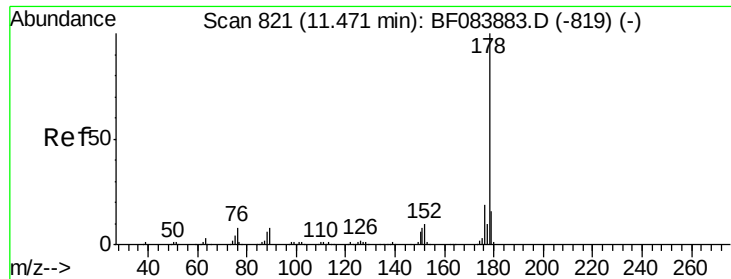
#70
 Phenanthrene
 Concen: 44.22 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:178 Resp: 645555
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.2 12.0 18.0



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

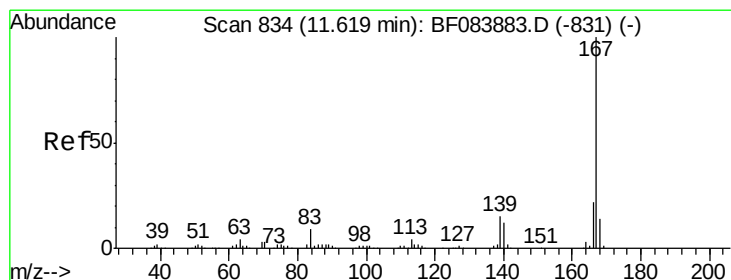
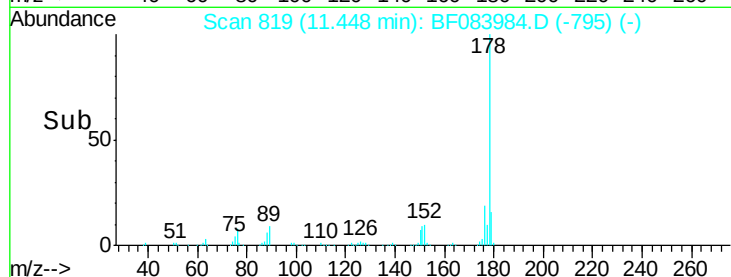
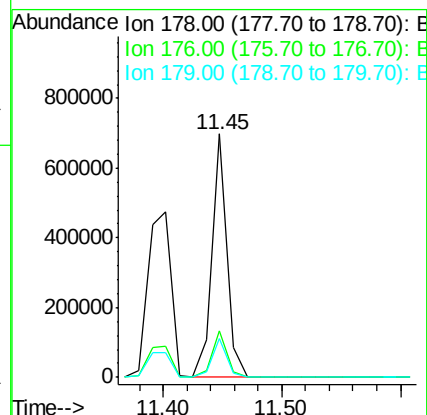
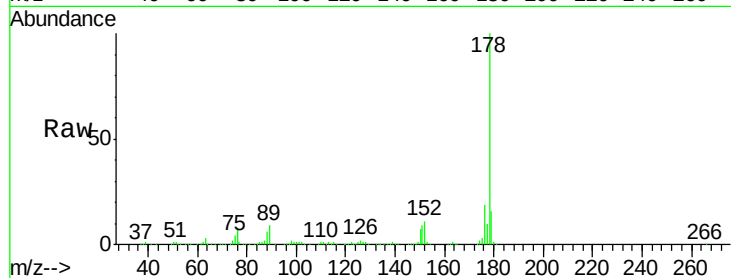




#71
 Anthracene
 Concen: 43.62 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

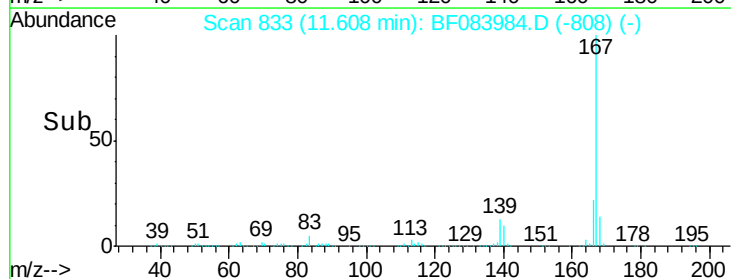
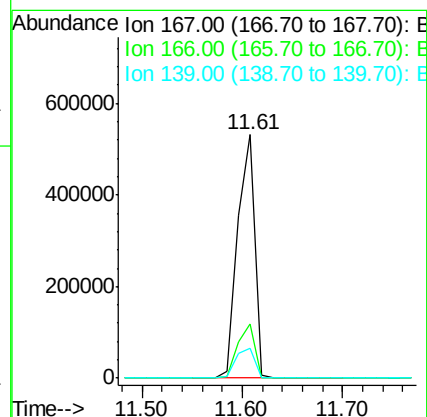
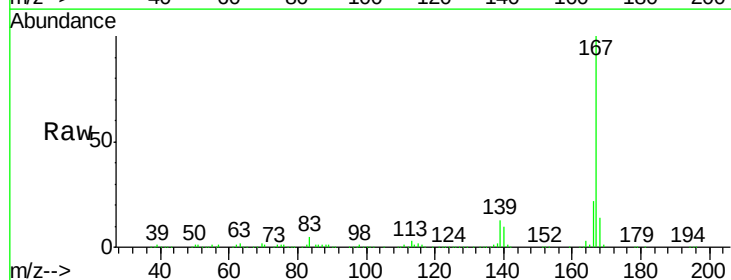
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

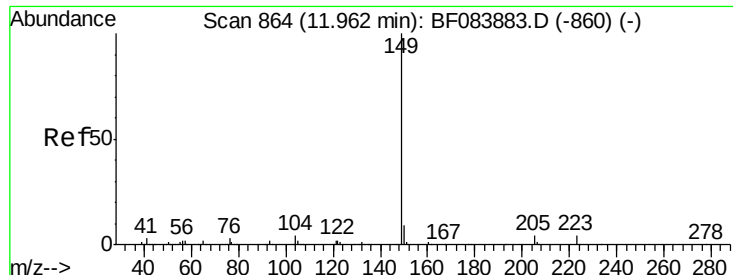
Tgt Ion:178 Resp: 615610
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.0
 179 16.0 12.5 18.7



#72
 Carbazole
 Concen: 45.12 ng
 RT: 11.61 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:167 Resp: 629189
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 12.5 11.8 17.8





#73

Di-n-butylphthalate

Concen: 46.90 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.03 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

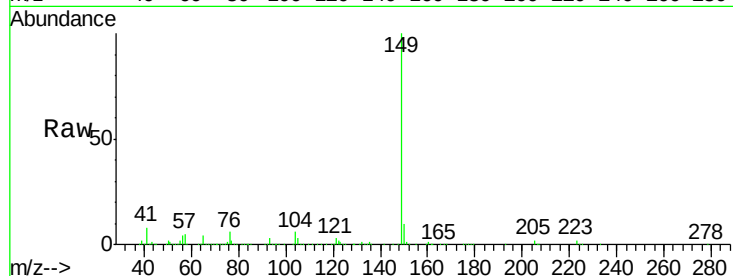
Tgt Ion:149 Resp: 768416

Ion Ratio Lower Upper

149 100

150 9.5 7.1 10.7

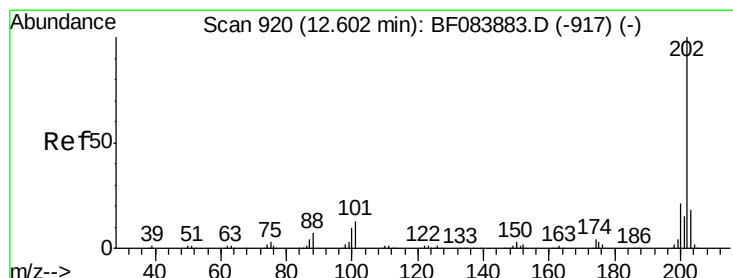
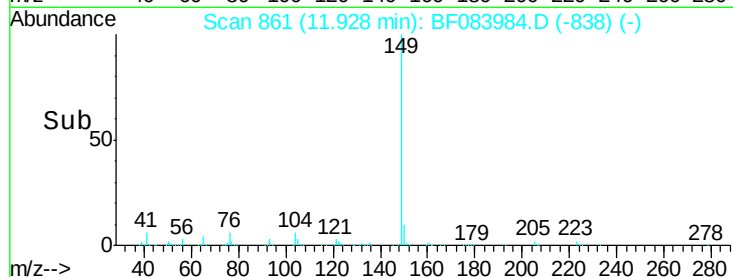
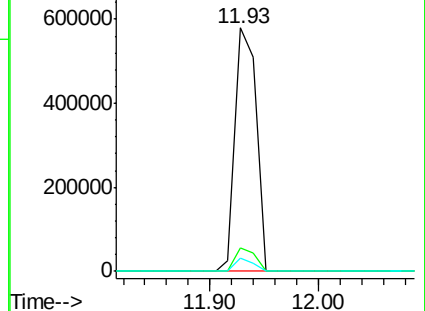
104 5.6 3.2 4.8#



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: 33.81 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

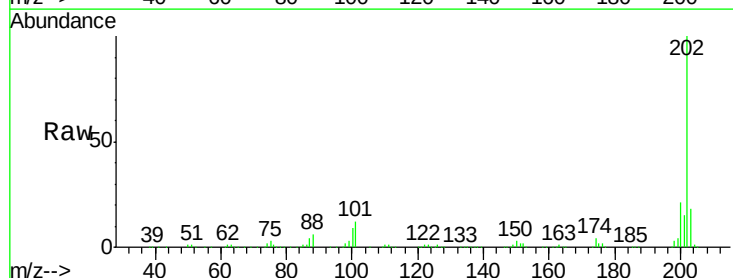
Tgt Ion:202 Resp: 492563

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.8

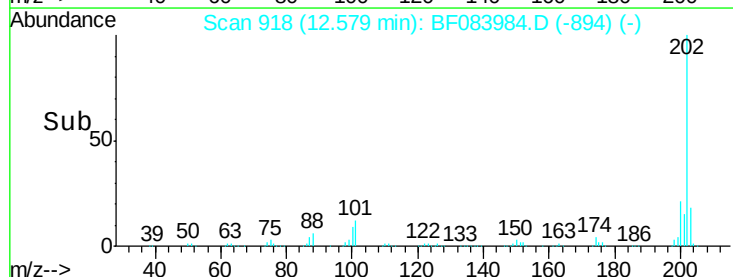
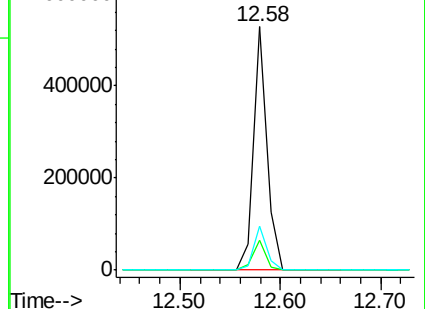
203 18.0 0.0 37.9

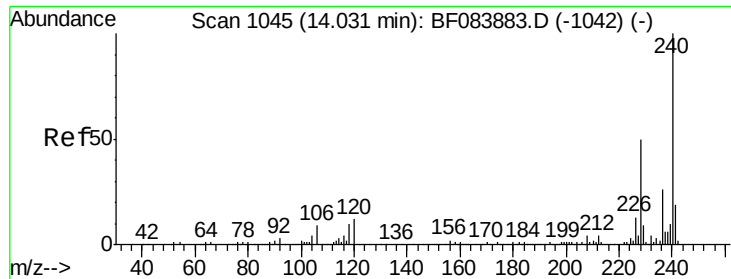


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

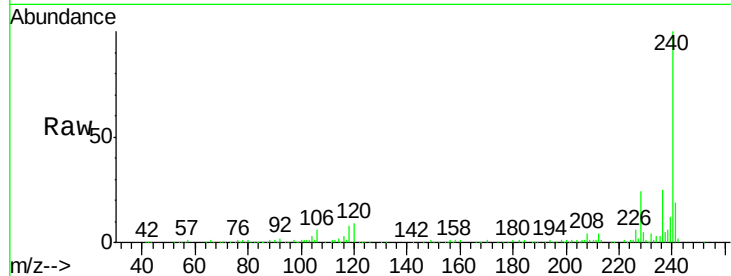
Tgt Ion:240 Resp: 140800

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

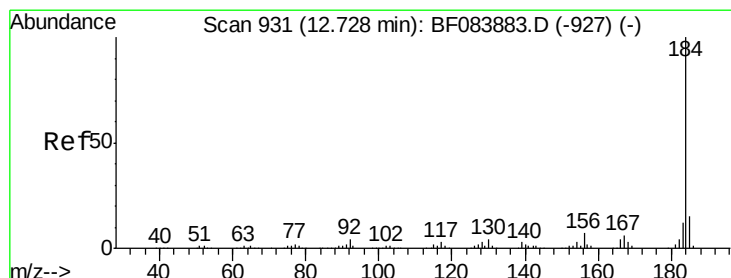
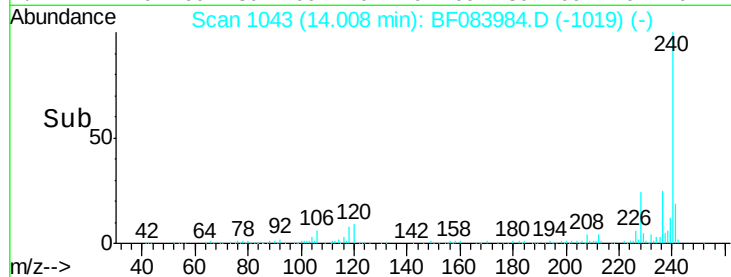
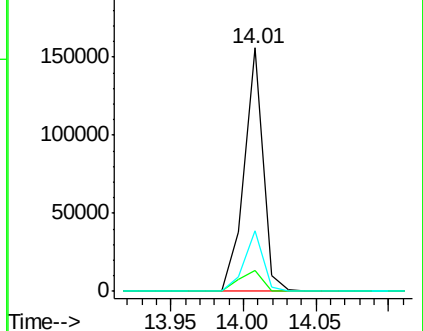
236 24.8 20.6 31.0



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: 16.60 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.03 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

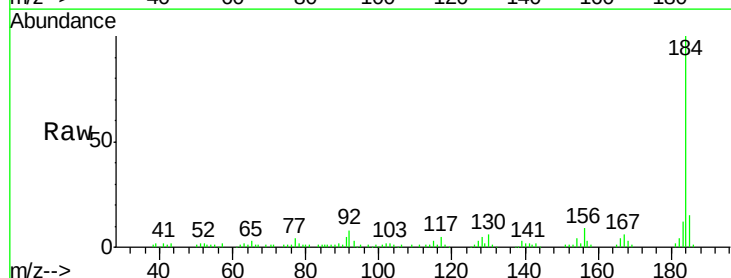
Tgt Ion:184 Resp: 93571

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

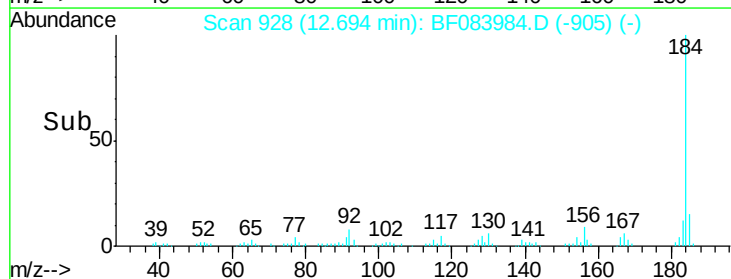
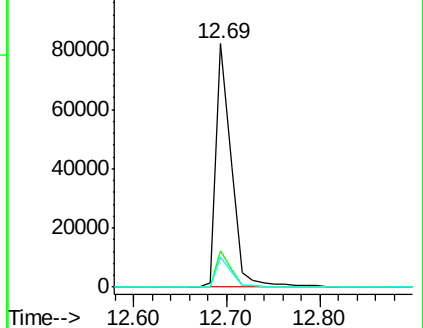
183 12.2 9.8 14.8

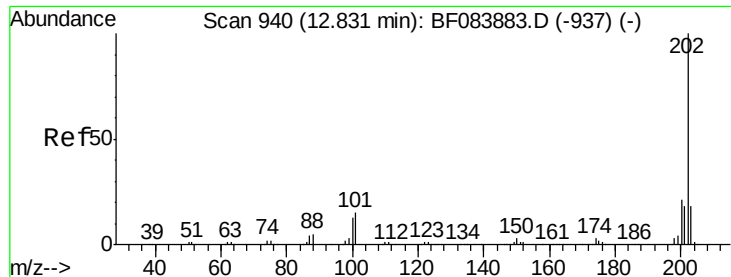


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

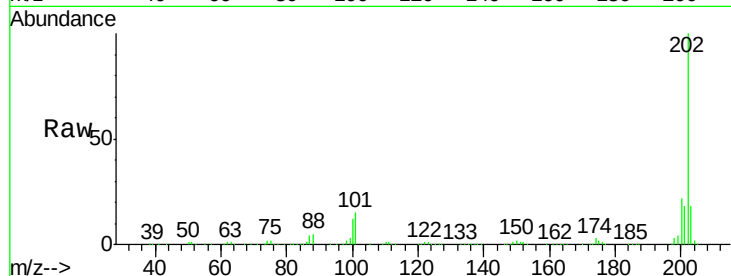




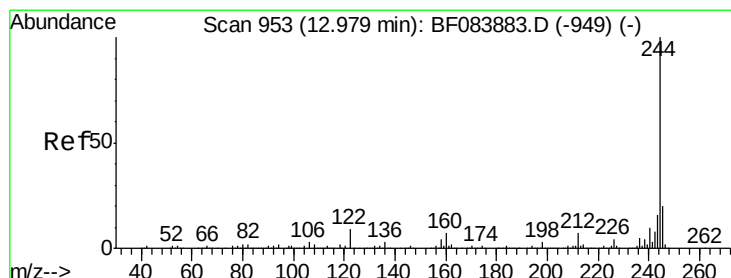
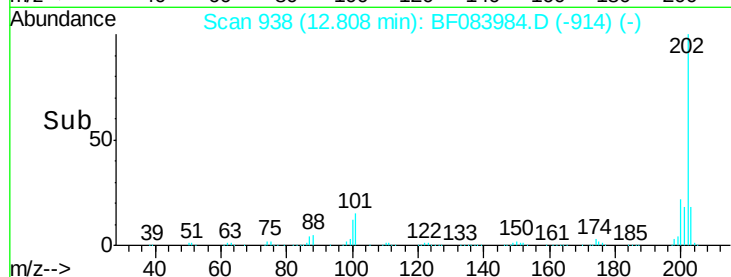
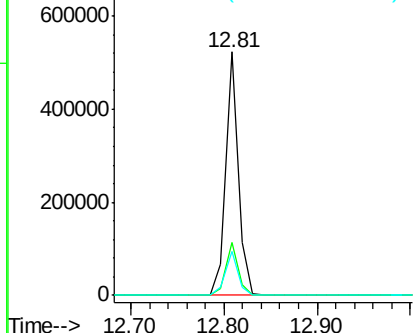
#77
Pyrene
 Concen: 52.81 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.2	25.8
203	18.0	14.3	21.5

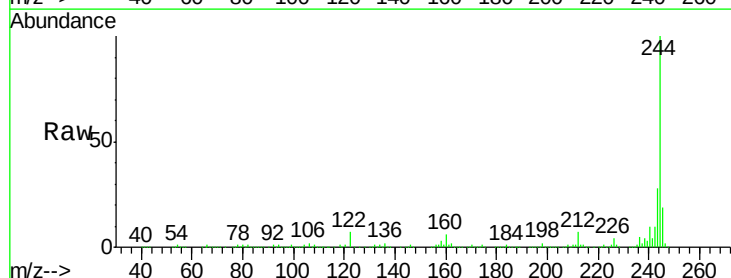


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

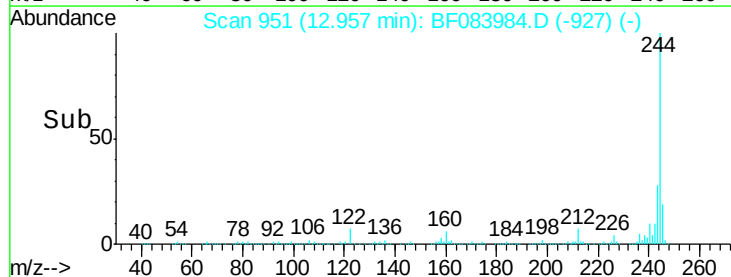
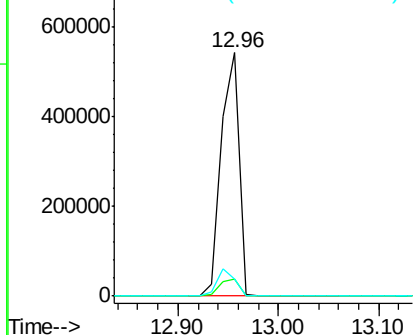


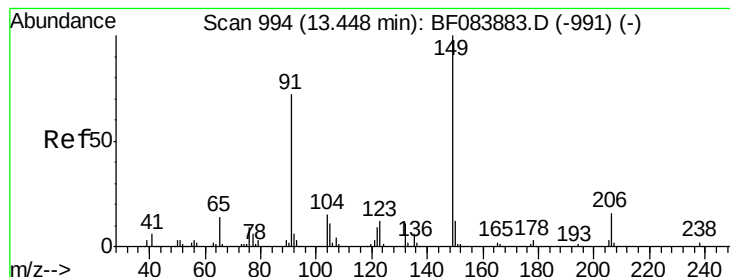
#78
Terphenyl-d14
 Concen: 113.55 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	6.7	7.4	11.0



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 56.97 ng

RT: 13.43 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

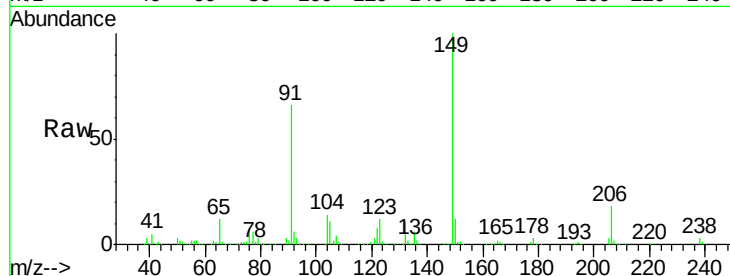
Tgt Ion:149 Resp: 267002

Ion Ratio Lower Upper

149 100

91 66.0 57.6 86.4

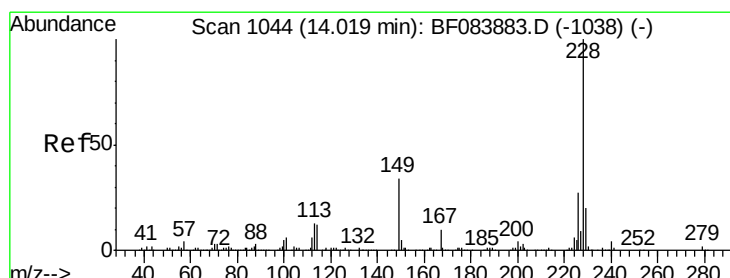
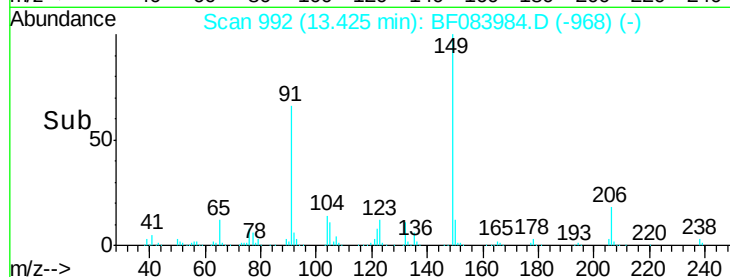
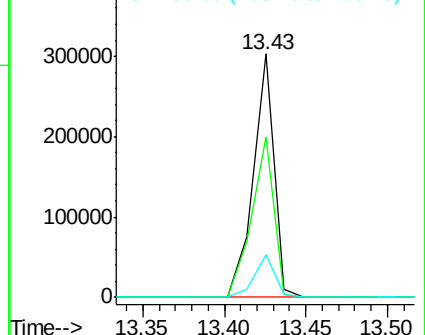
206 17.6 13.2 19.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 44.20 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

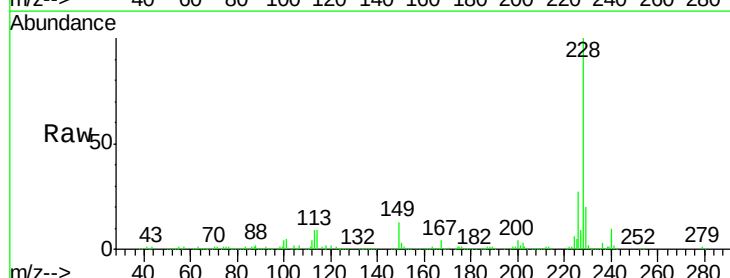
Tgt Ion:228 Resp: 382644

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.6

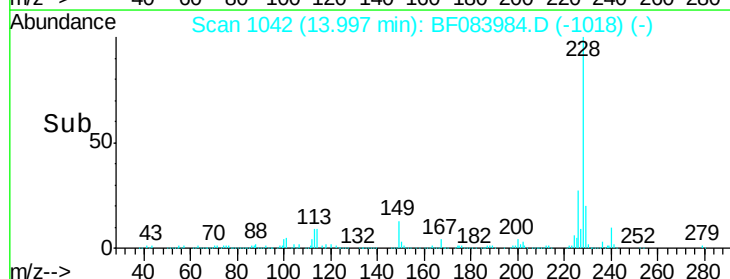
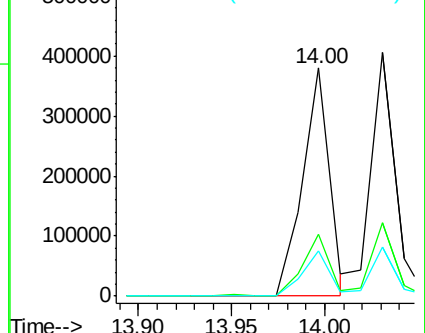
229 19.7 15.8 23.8

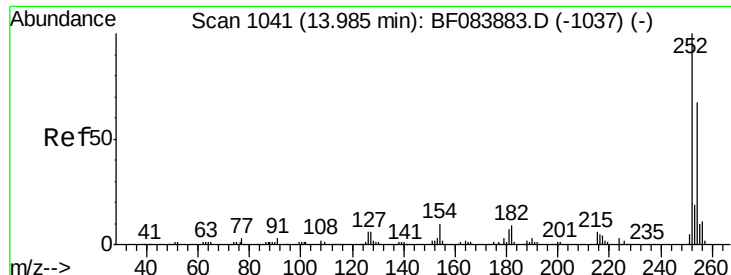


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

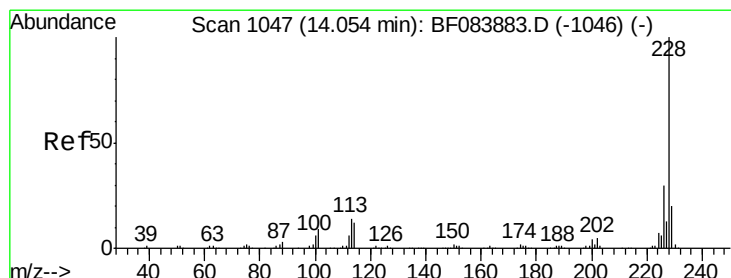
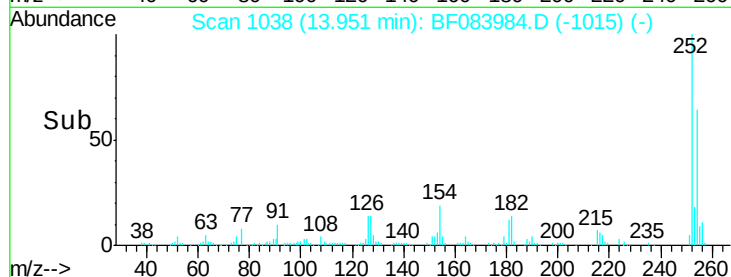
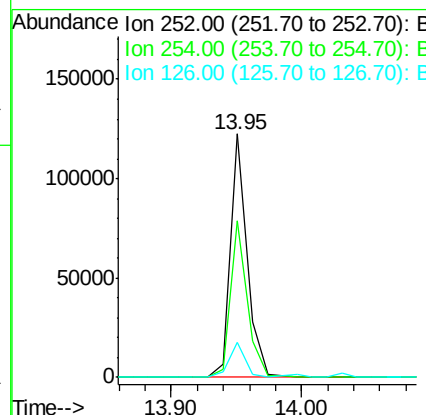
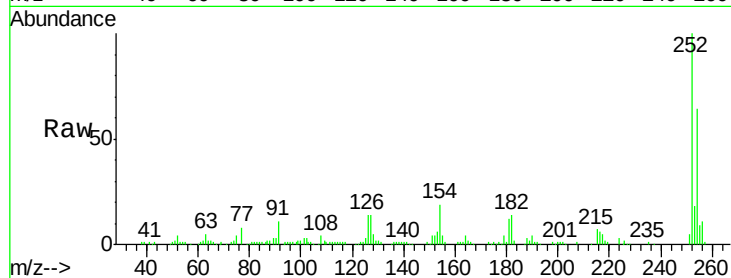




#81
 3,3'-Dichlorobenzidine
 Concen: 33.96 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

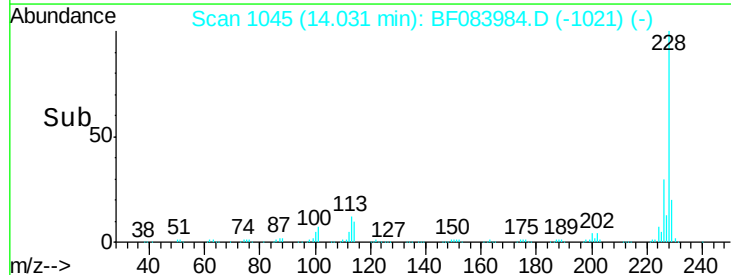
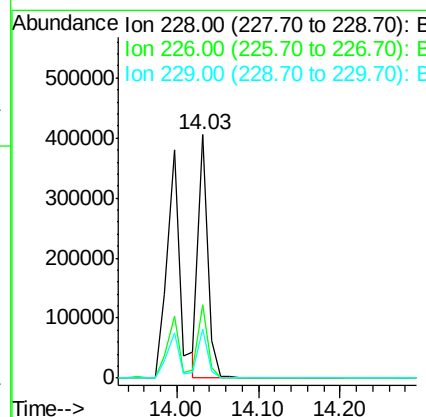
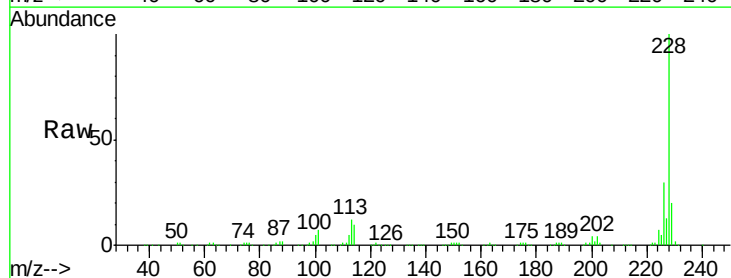
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

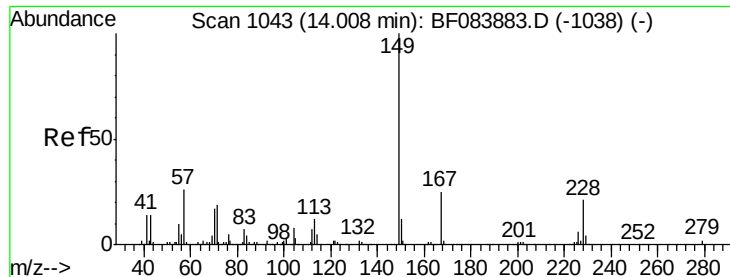
Tgt Ion: 252 Resp: 109863
 Ion Ratio Lower Upper
 252 100
 254 64.4 53.5 80.3
 126 14.2 4.9 7.3#



#82
 Chrysene
 Concen: 39.29 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion: 228 Resp: 328579
 Ion Ratio Lower Upper
 228 100
 226 30.4 24.3 36.5
 229 20.2 16.1 24.1

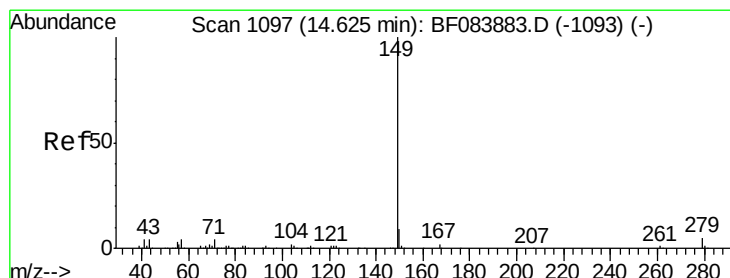
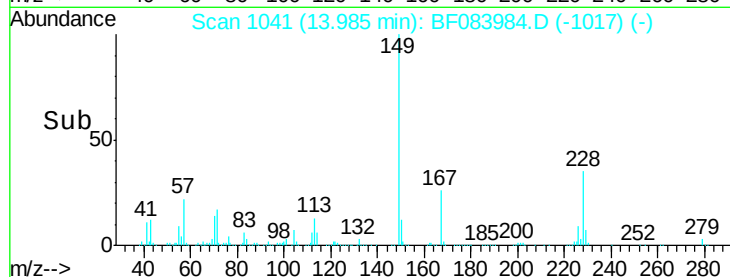
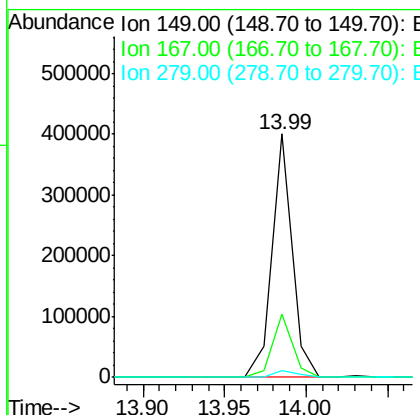
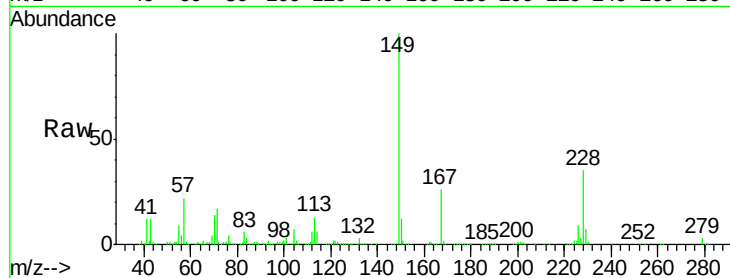




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 55.58 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.02 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

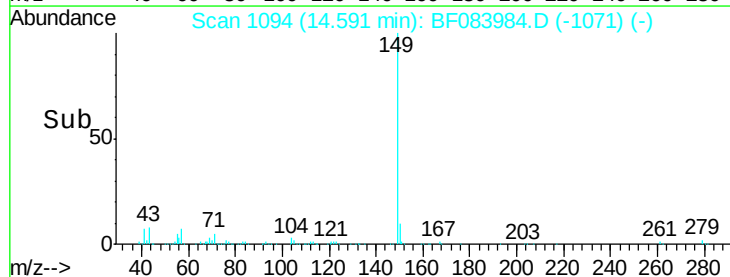
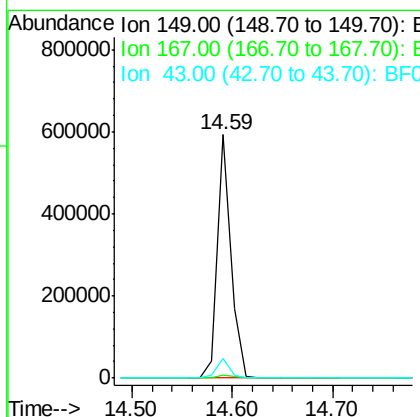
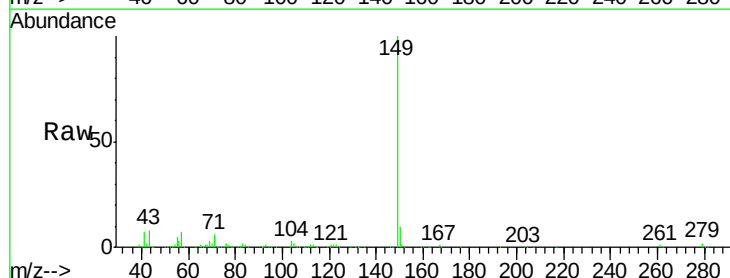
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

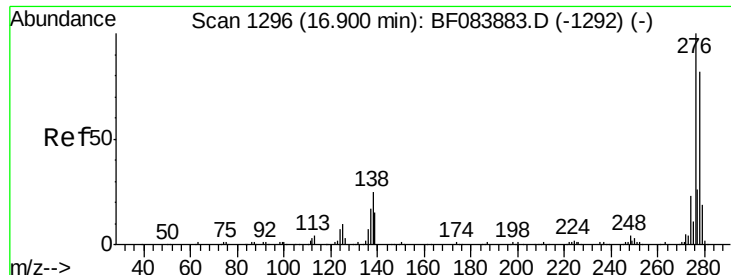
Tgt Ion:149 Resp: 347808
 Ion Ratio Lower Upper
 149 100
 167 25.7 19.7 29.5
 279 2.9 1.8 2.6#



#84
 Di-n-octyl phthalate
 Concen: 56.94 ng
 RT: 14.59 min Scan# 1094
 Delta R.T. -0.03 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion:149 Resp: 557565
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 7.6 5.6 8.4

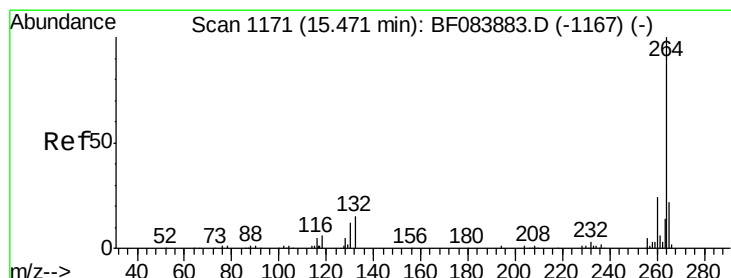
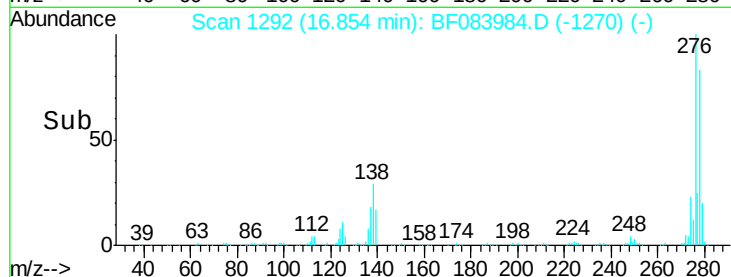
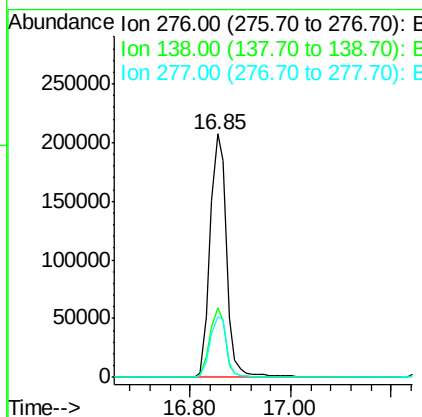
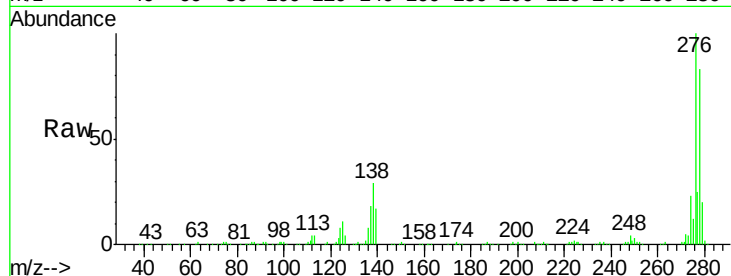




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 75.95 ng
 RT: 16.85 min Scan# 1292
 Delta R.T. -0.05 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

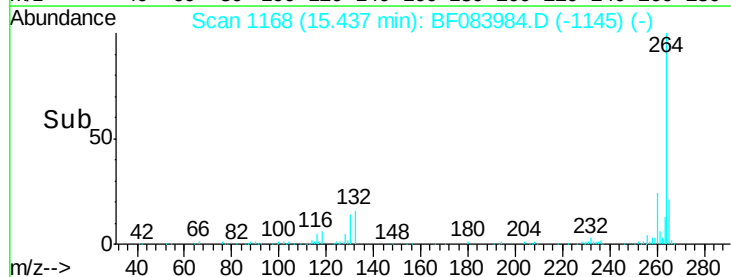
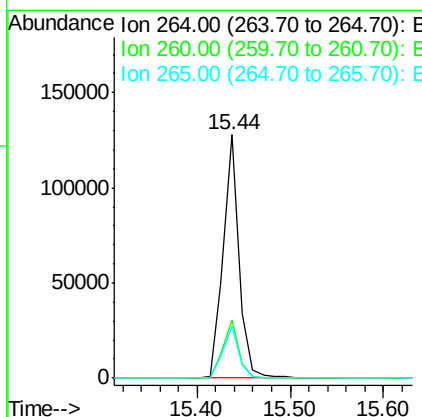
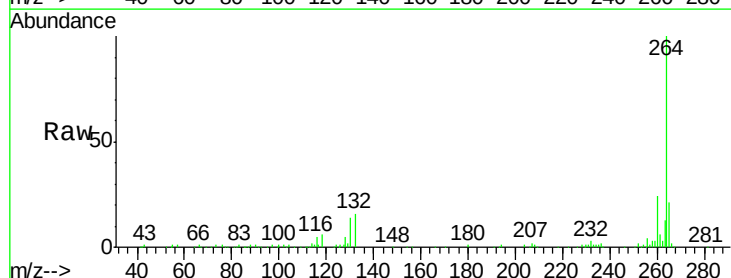
Instrument :
 BNA_F
 ClientSampleId :
 UST-8MSD

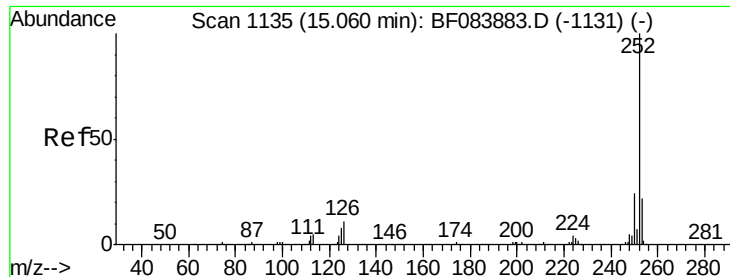
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	20.6	30.8
277	25.3	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083984.D
 Acq: 20 Dec 2015 7:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.5	17.8	26.6

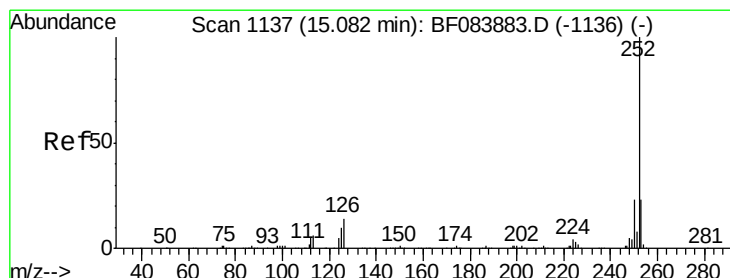
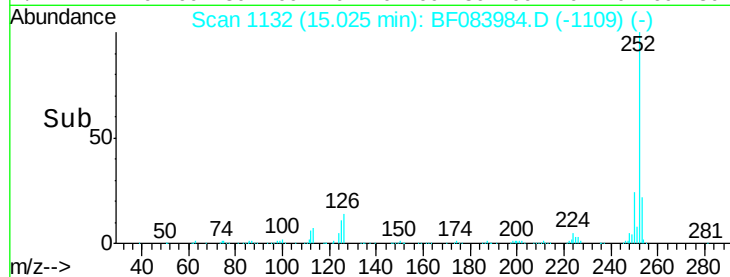
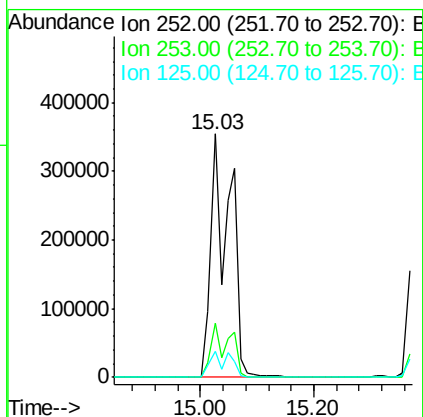
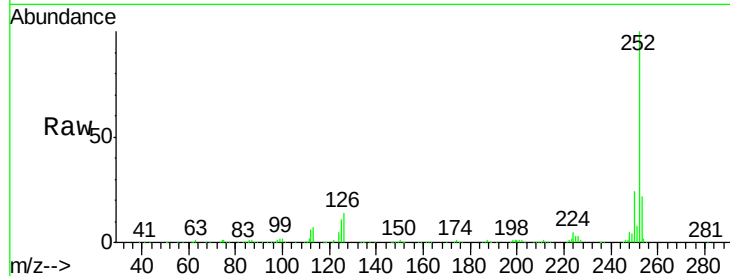




#87
Benzo(b)fluoranthene
Concen: 74.80 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.03 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

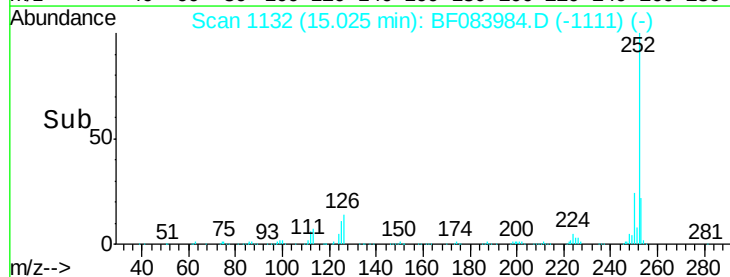
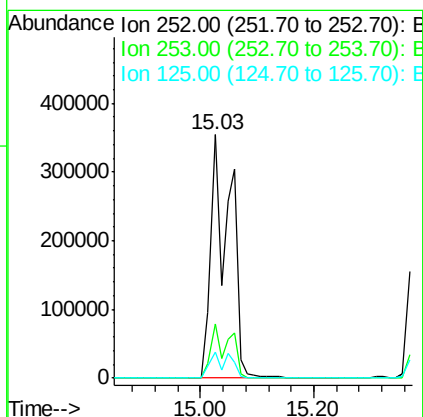
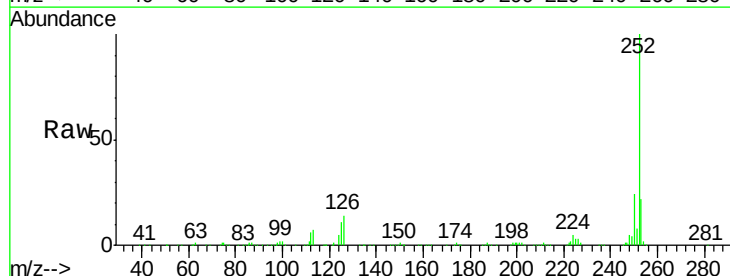
Instrument :
BNA_F
ClientSampleId :
UST-8MSD

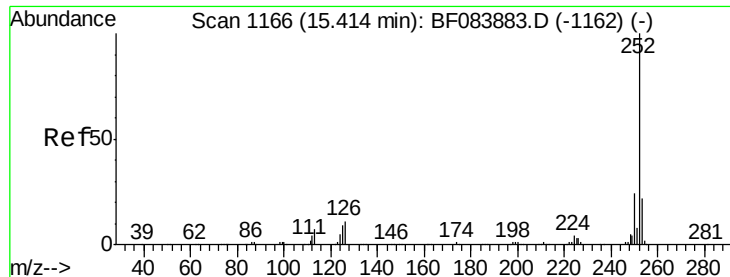
Tgt Ion:252 Resp: 820262
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 10.8 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 90.67 ng
RT: 15.03 min Scan# 1132
Delta R.T. -0.06 min
Lab File: BF083984.D
Acq: 20 Dec 2015 7:17

Tgt Ion:252 Resp: 820262
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 10.8 9.0 13.6





#89

Benzo(a)pyrene

Concen: 46.50 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.03 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD

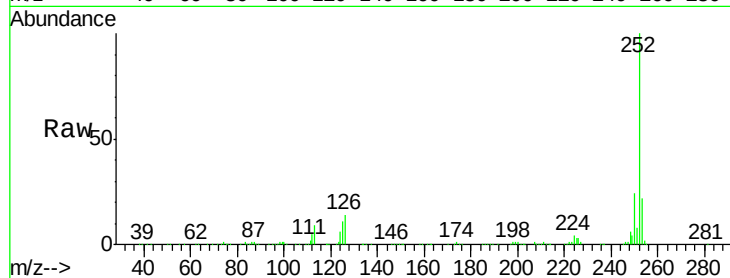
Tgt Ion:252 Resp: 421096

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

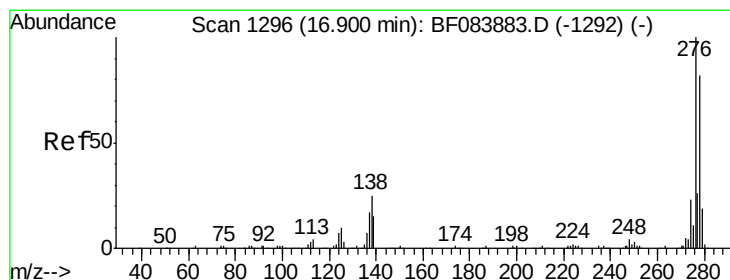
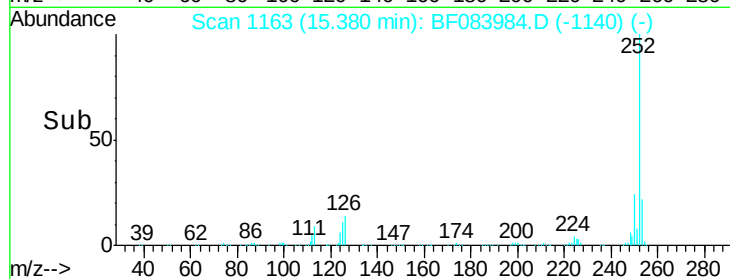
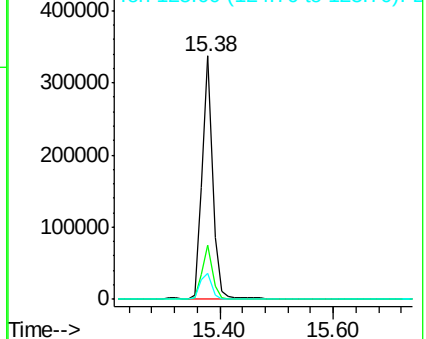
125 10.9 7.0 10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 56.17 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.03 min

Lab File: BF083984.D

Acq: 20 Dec 2015 7:17

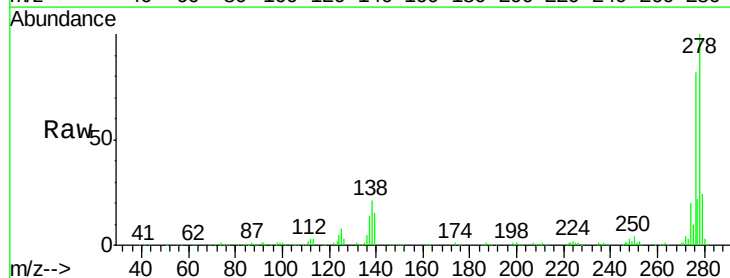
Tgt Ion:278 Resp: 395718

Ion Ratio Lower Upper

278 100

139 14.9 15.0 22.4#

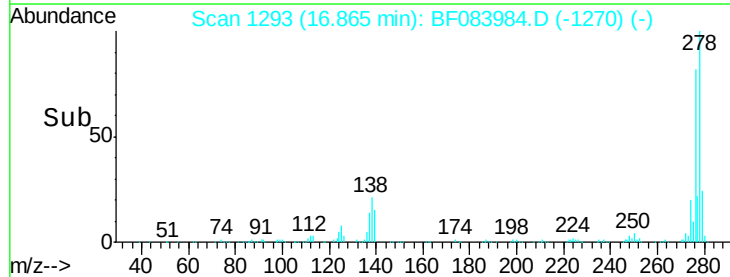
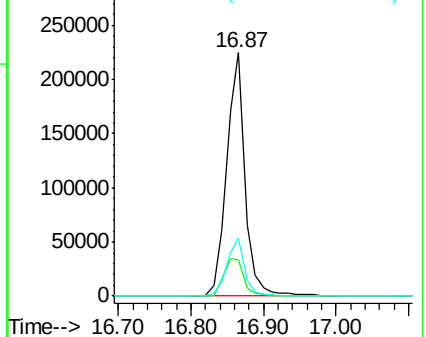
279 23.7 18.9 28.3

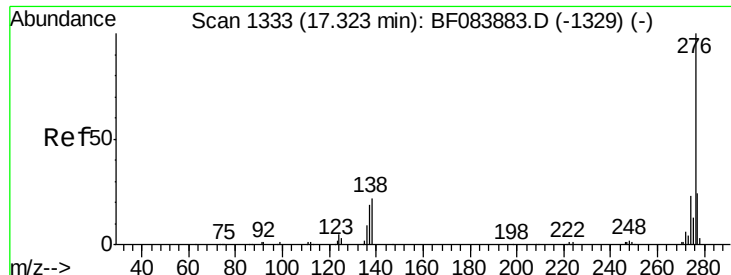


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 58.52 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.05 min

Lab File: BF083984.D

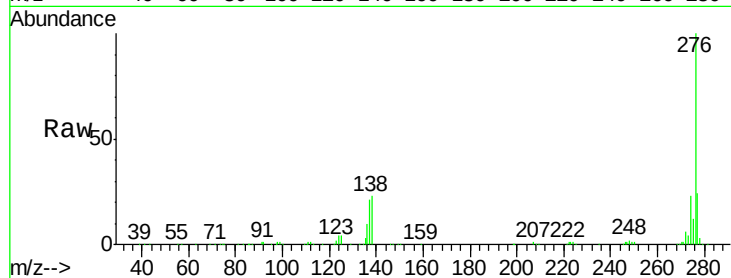
Acq: 20 Dec 2015 7:17

Instrument :

BNA_F

ClientSampleId :

UST-8MSD



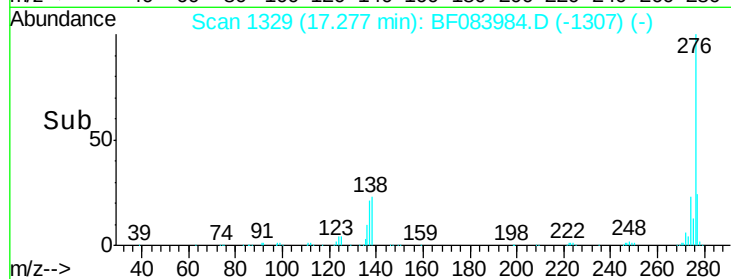
Tgt Ion: 276 Resp: 403999

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 23.3 17.8 26.6



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

