

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
 Data File : BF079602.D
 Acq On : 30 May 2015 14:51
 Operator : TP/IZ
 Sample : G2416-18MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Quant Time: May 31 05:44:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 17:35:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	64633	20.00	ng	-0.02
21) Naphthalene-d8	8.51	136	261602	20.00	ng	-0.02
38) Acenaphthene-d10	10.67	164	122227	20.00	ng	-0.03
63) Phenanthrene-d10	12.51	188	221828	20.00	ng	-0.02
75) Chrysene-d12	15.79	240	226385	20.00	ng	-0.05
86) Perylene-d12	17.53	264	239770	20.00	ng	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	449126	120.53	ng	-0.02
7) Phenol-d6	6.54	99	599543	126.23	ng	-0.02
23) Nitrobenzene-d5	7.63	82	323886	71.57	ng	-0.03
41) 2,4,6-Tribromophenol	11.66	330	163856	122.05	ng	-0.03
44) 2-Fluorobiphenyl	9.86	172	700418	81.76	ng	-0.02
78) Terphenyl-d14	14.50	244	726119	75.27	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.76	88	59880	33.78	ng	# 100
3) Pyridine	2.40	79	101945	26.12	ng	98
4) n-Nitrosodimethylamine	2.32	42	67797	35.27	ng	100
6) Aniline	6.52	93	145677	21.61	ng	98
8) 2-Chlorophenol	6.67	128	162037	37.35	ng	93
9) Benzaldehyde	6.39	77	17103	4.37	ng	90
10) Phenol	6.55	94	212638	38.02	ng	97
11) bis(2-Chloroethyl)ether	6.64	93	163395	40.39	ng	100
12) 1,3-Dichlorobenzene	6.86	146	171784	35.74	ng	93
13) 1,4-Dichlorobenzene	6.96	146	173627	35.42	ng	97
14) 1,2-Dichlorobenzene	7.14	146	167328	36.75	ng	96
15) Benzyl Alcohol	7.14	79	137561	39.41	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.31	45	221420	37.39	ng	95
17) 2-Methylphenol	7.30	107	124635	36.57	ng	96
18) Hexachloroethane	7.55	117	60365	35.77	ng	# 81
19) n-Nitroso-di-n-propylamine	7.46	70	116699	34.92	ng	99
20) 3+4-Methylphenols	7.50	107	173921	37.14	ng	97
22) Acetophenone	7.45	105	239637	40.89	ng	# 98
24) Nitrobenzene	7.66	77	166954	37.43	ng	94
25) Isophorone	7.96	82	307408	37.27	ng	100
26) 2-Nitrophenol	8.06	139	84083	39.82	ng	96
27) 2,4-Dimethylphenol	8.14	122	140921	37.12	ng	98
28) bis(2-Chloroethoxy)methane	8.25	93	201393	39.39	ng	98
29) 2,4-Dichlorophenol	8.36	162	138522	39.84	ng	99
30) 1,2,4-Trichlorobenzene	8.44	180	140450	38.94	ng	98
31) Naphthalene	8.54	128	492764	39.25	ng	99
32) Benzoic acid	8.26	122	42671	18.11	ng	98
33) 4-Chloroaniline	8.63	127	133977	25.54	ng	98
34) Hexachlorobutadiene	8.70	225	77210	37.63	ng	97
35) Caprolactam	9.05	113	39362	35.90	ng	# 78
36) 4-Chloro-3-methylphenol	9.26	107	136069	37.73	ng	# 72
37) 2-Methylnaphthalene	9.39	142	339718	38.98	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.60	216	134997	39.49	ng	# 100
40) Hexachlorocyclopentadiene	9.59	237	58588	62.94	ng	96

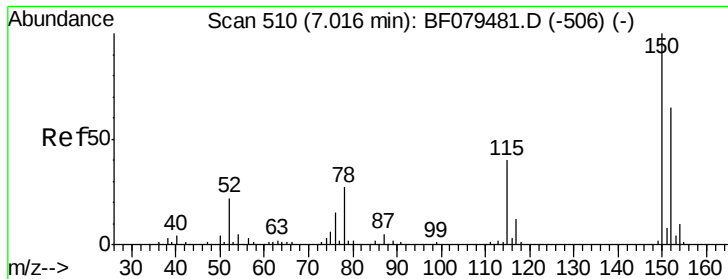
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053015\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.76	196	94372	39.53	ng	99
43) 2,4,5-Trichlorophenol	9.82	196	95912	40.36	ng	98
45) 1,1'-Biphenyl	9.98	154	388519	40.70	ng	97
46) 2-Chloronaphthalene	10.00	162	296382	39.31	ng	94
47) 2-Nitroaniline	10.14	65	84463	37.68	ng	# 81
48) Acenaphthylene	10.50	152	486912	38.91	ng	99
49) Dimethylphthalate	10.38	163	429537	47.69	ng	99
50) 2,6-Dinitrotoluene	10.44	165	71296	39.63	ng	# 43
51) Acenaphthene	10.72	154	282497	39.47	ng	99
52) 3-Nitroaniline	10.65	138	74949	32.02	ng	86
53) 2,4-Dinitrophenol	10.80	184	48198	68.68	ng	93
54) Dibenzofuran	10.94	168	426418	40.40	ng	94
55) 4-Nitrophenol	10.94	139	266605	205.43	ng	# 16
56) 2,4-Dinitrotoluene	10.95	165	96801	40.12	ng	93
57) Fluorene	11.36	166	348636	40.07	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.10	232	73908	42.74	ng	# 100
59) Diethylphthalate	11.25	149	335754	38.08	ng	94
60) 4-Chlorophenyl-phenylether	11.37	204	154127	41.00	ng	88
61) 4-Nitroaniline	11.41	138	76153	34.93	ng	90
62) Azobenzene	11.57	77	360639	42.06	ng	93
64) 4,6-Dinitro-2-methylphenol	11.45	198	39335	36.96	ng	99
65) n-Nitrosodiphenylamine	11.52	169	287190	38.98	ng	99
66) 4-Bromophenyl-phenylether	11.98	248	95351	41.74	ng	# 88
67) Hexachlorobenzene	12.02	284	105697	40.58	ng	# 87
68) Atrazine	12.21	200	90734	45.59	ng	96
69) Pentachlorophenol	12.29	266	84011	84.21	ng	96
70) Phenanthrene	12.54	178	504292	41.44	ng	100
71) Anthracene	12.61	178	504111	40.80	ng	100
72) Carbazole	12.82	167	470395	39.55	ng	97
73) Di-n-butylphthalate	13.28	149	581833	43.69	ng	99
74) Fluoranthene	14.01	202	576780	44.20	ng	99
76) Benzidine	14.21	184	48296	9.96	ng	99
77) Pyrene	14.29	202	576229	41.08	ng	99
79) Butylbenzylphthalate	15.13	149	262795	41.66	ng	87
80) Benzo(a)anthracene	15.77	228	522093	40.09	ng	100
81) 3,3'-Dichlorobenzidine	15.76	252	149241	31.29	ng	# 98
82) Chrysene	15.82	228	481697	38.91	ng	100
83) Bis(2-ethylhexyl)phthalate	15.85	149	387063	42.83	ng	100
84) Di-n-octyl phthalate	16.65	149	683258	43.44	ng	99
85) Indeno(1,2,3-cd)pyrene	18.85	276	624591	39.23	ng	98
87) Benzo(b)fluoranthene	17.09	252	661397	48.37	ng	100
88) Benzo(k)fluoranthene	17.09	252	661397	54.08	ng	98
89) Benzo(a)pyrene	17.47	252	502237	41.74	ng	100
90) Dibenzo(a,h)anthracene	18.87	278	506149	40.18	ng	98
91) Benzo(g,h,i)perylene	19.21	276	503102	40.23	ng	98

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

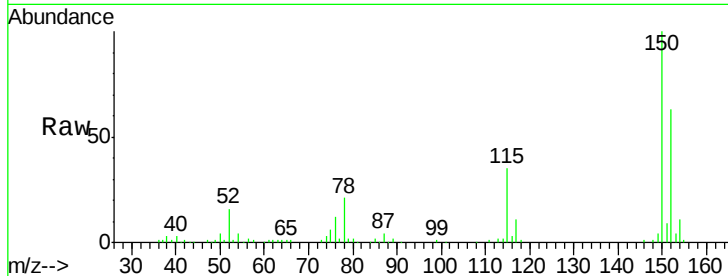


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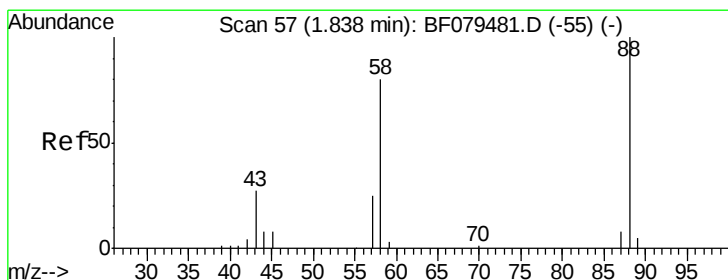
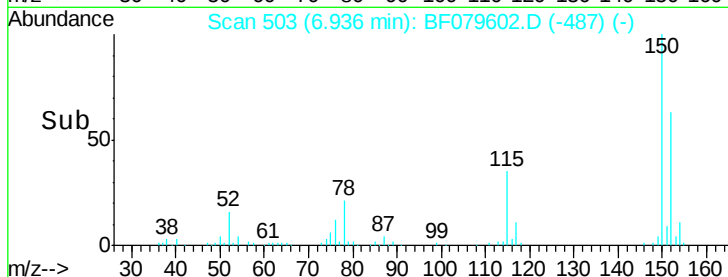
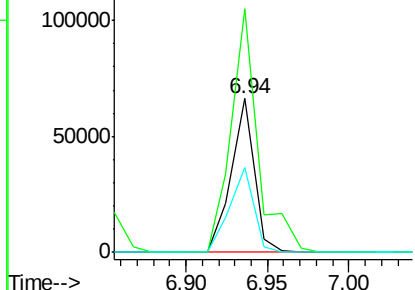
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

Tgt Ion:152 Resp: 64633
Ion Ratio Lower Upper
152 100
150 158.1 124.0 186.0
115 55.5 49.6 74.4



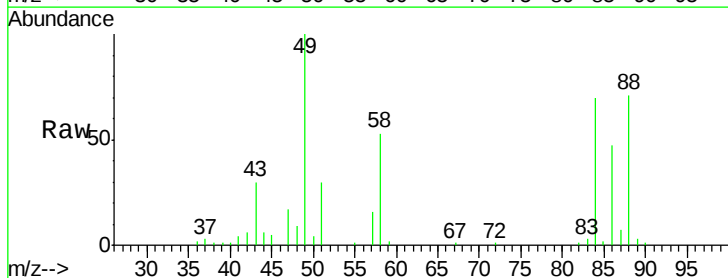
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



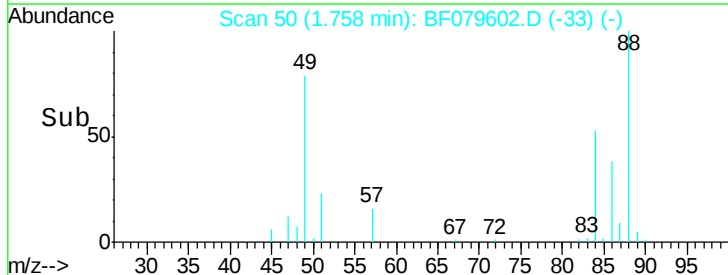
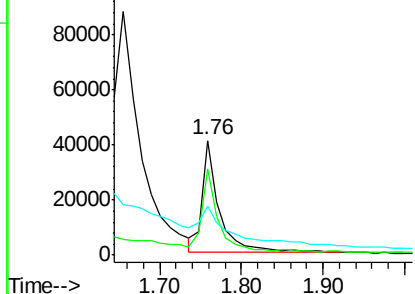
#2

1,4-Dioxane
Concen: 33.78 ng
RT: 1.76 min Scan# 50
Delta R.T. -0.01 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion: 88 Resp: 59880
Ion Ratio Lower Upper
88 100
58 70.8 0.0 0.0#
43 62.3 0.0 0.0#



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: 26.12 ng

RT: 2.40 min Scan# 106

Delta R.T. 0.00 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

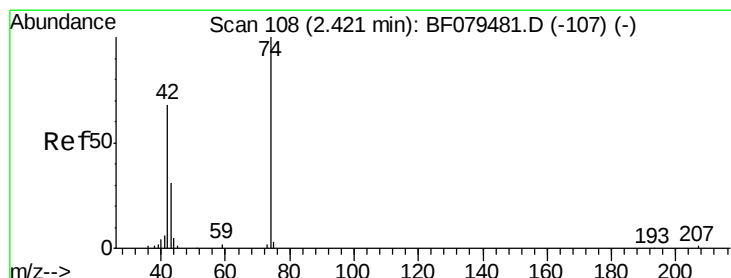
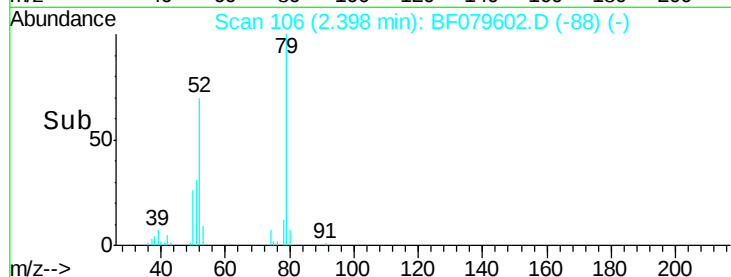
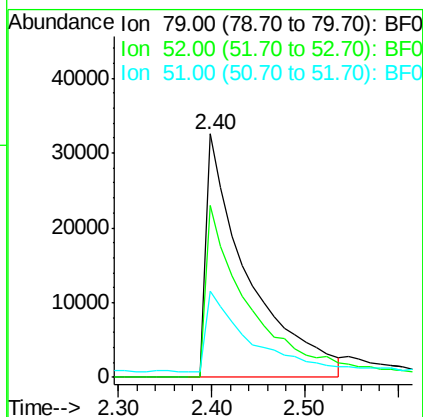
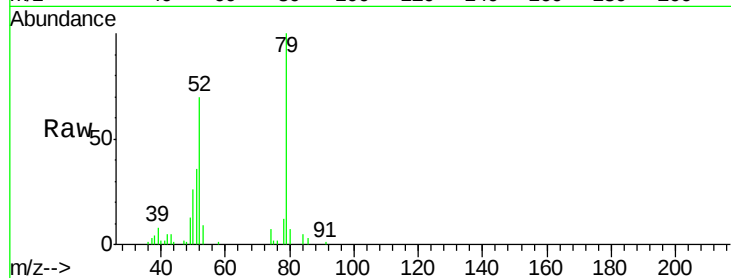
Tgt Ion: 79 Resp: 101945

Ion Ratio Lower Upper

79 100

52 70.4 57.4 86.2

51 35.5 29.4 44.0



#4

n-Nitrosodimethylamine

Concen: 35.27 ng

RT: 2.32 min Scan# 99

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

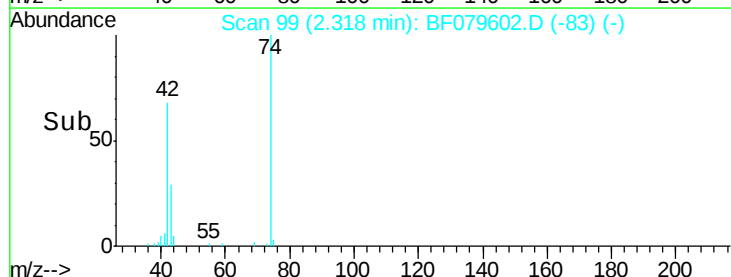
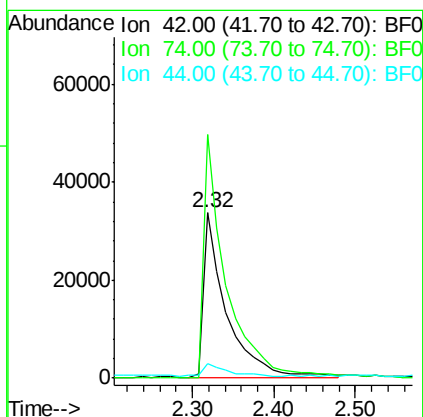
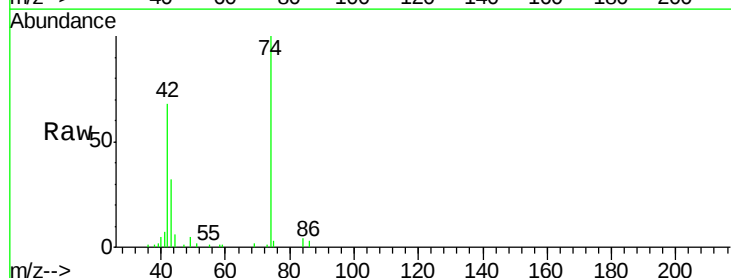
Tgt Ion: 42 Resp: 67797

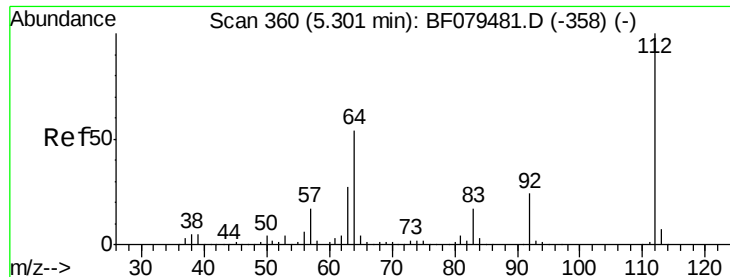
Ion Ratio Lower Upper

42 100

74 147.4 117.6 176.4

44 8.9 6.9 10.3





#5

2-Fluorophenol

Concen: 120.53 ng

RT: 5.21 min Scan# 352

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

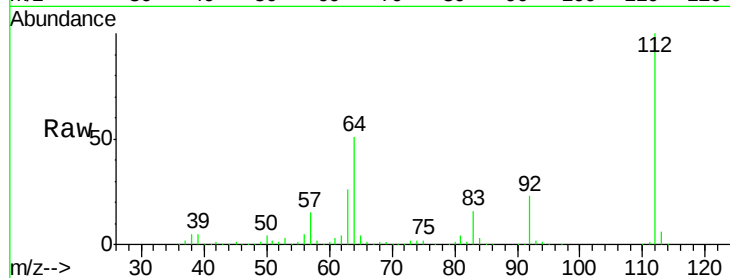
Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

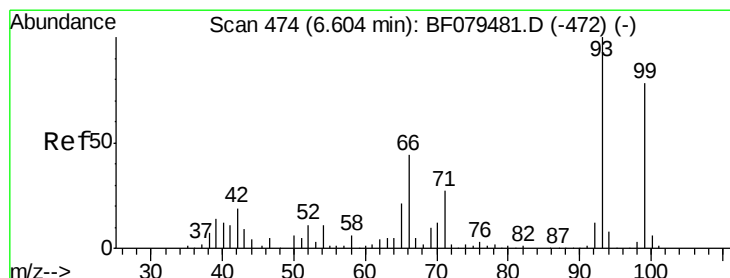
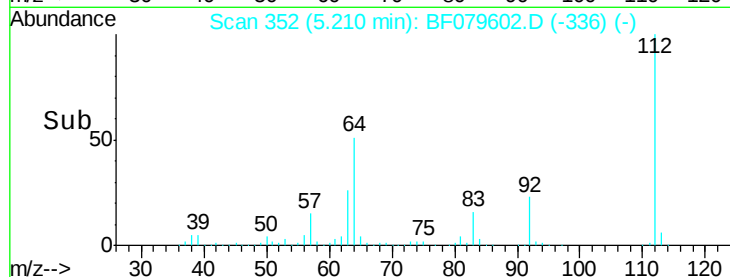
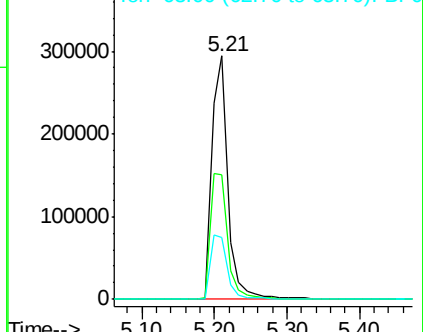
Tgt Ion:	112	Resp:	449126
Ion	Ratio	Lower	Upper
112	100		
64	51.4	43.5	65.3
63	25.6	21.8	32.8



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: 21.61 ng

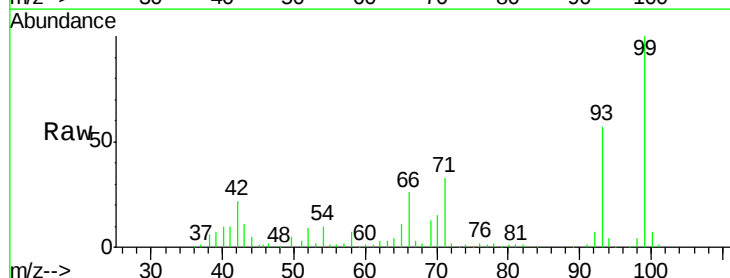
RT: 6.52 min Scan# 467

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

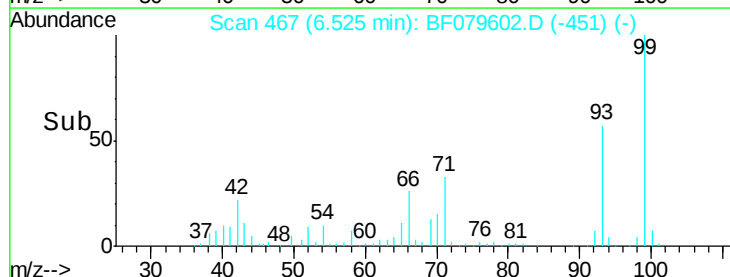
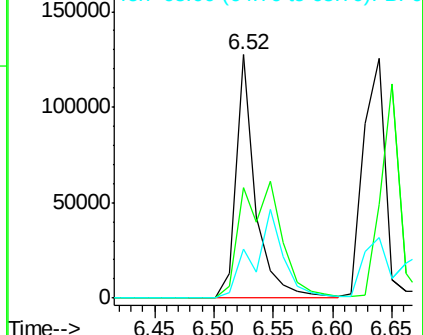
Tgt Ion:	93	Resp:	145677
Ion	Ratio	Lower	Upper
93	100		
66	45.1	34.8	52.2
65	20.1	16.7	25.1

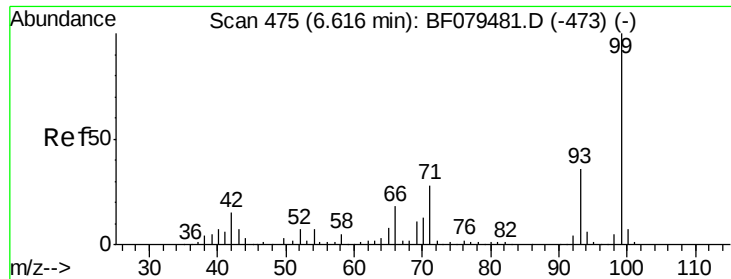


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 126.23 ng

RT: 6.54 min Scan# 468

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

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ClientSampleId :

PULASKIST7.3(2)MSD

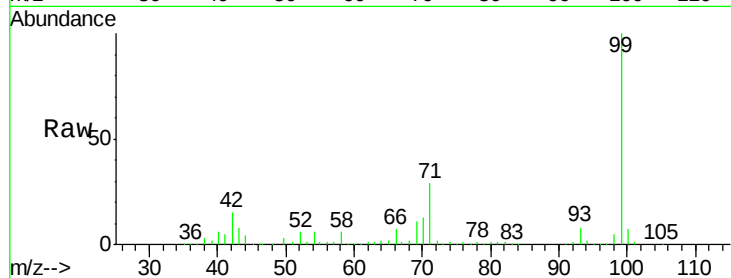
Tgt Ion: 99 Resp: 599543

Ion Ratio Lower Upper

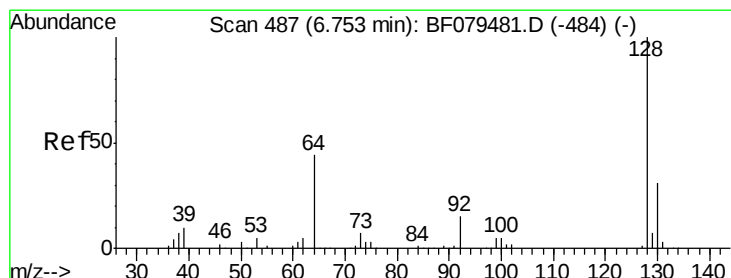
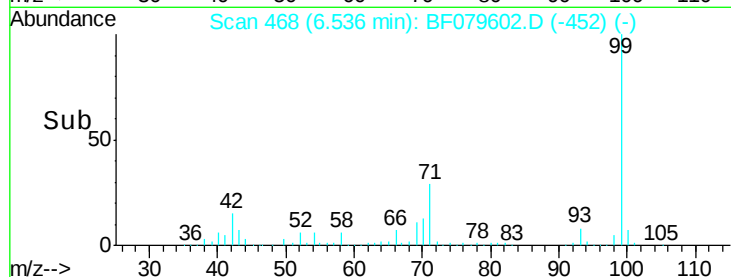
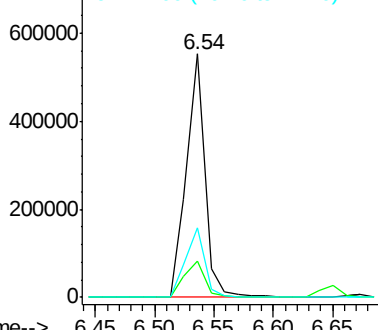
99 100

42 14.7 11.9 17.9

71 28.6 22.1 33.1



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: 37.35 ng

RT: 6.67 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

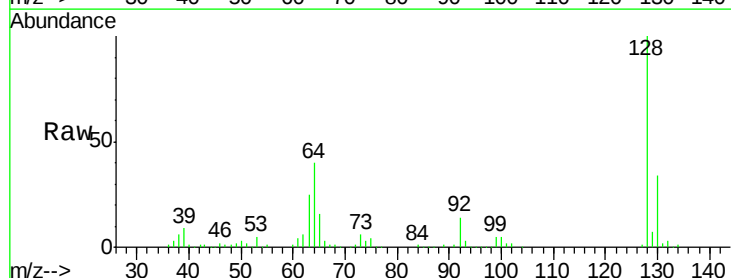
Tgt Ion: 128 Resp: 162037

Ion Ratio Lower Upper

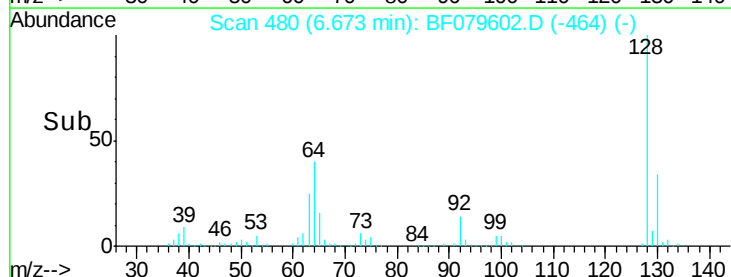
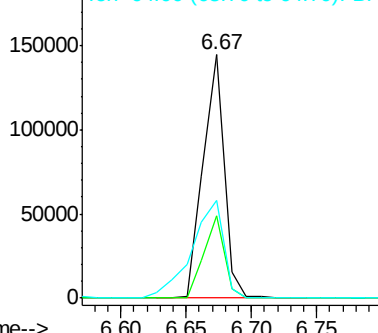
128 100

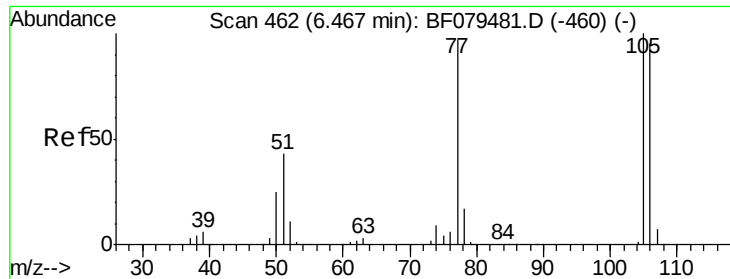
130 33.8 11.4 51.4

64 40.0 25.9 65.9



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: 4.37 ng

RT: 6.39 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

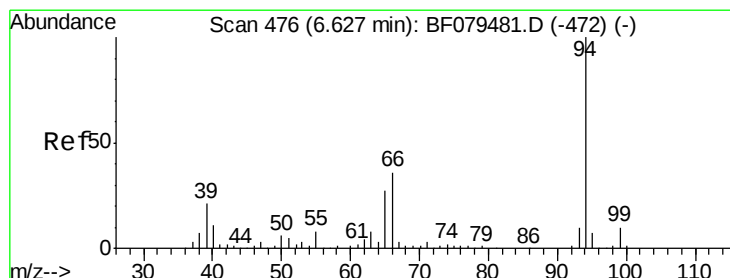
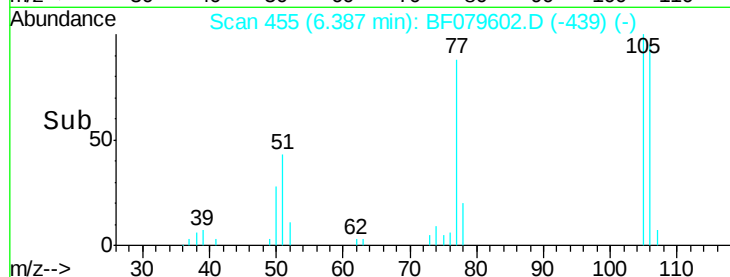
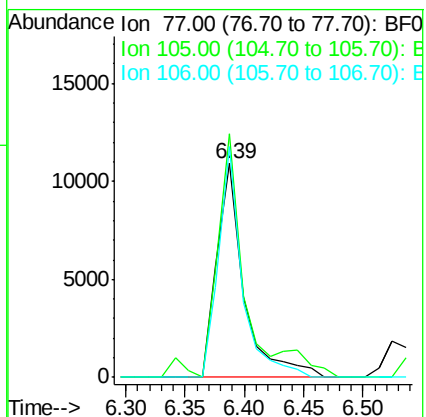
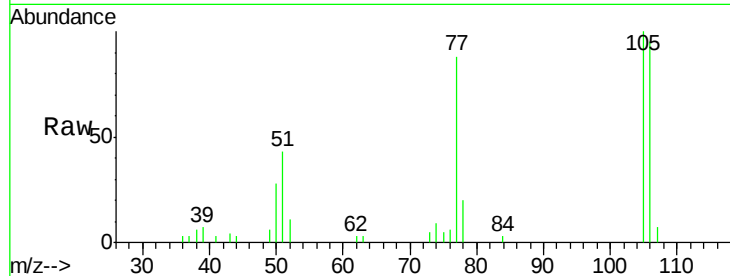
Tgt Ion: 77 Resp: 17103

Ion Ratio Lower Upper

77 100

105 113.8 83.3 123.3

106 107.6 78.4 118.4



#10

Phenol

Concen: 38.02 ng

RT: 6.55 min Scan# 469

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

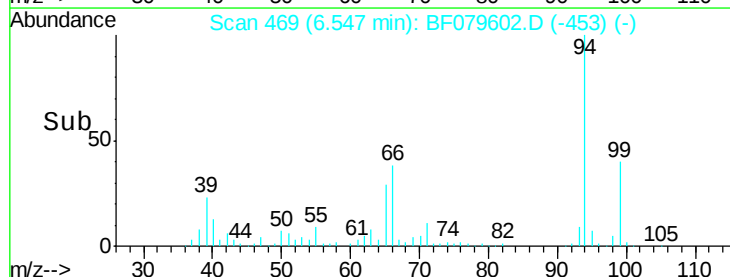
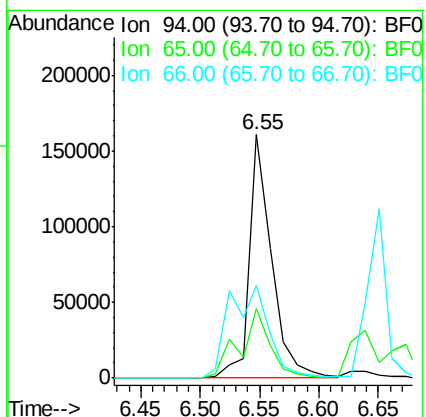
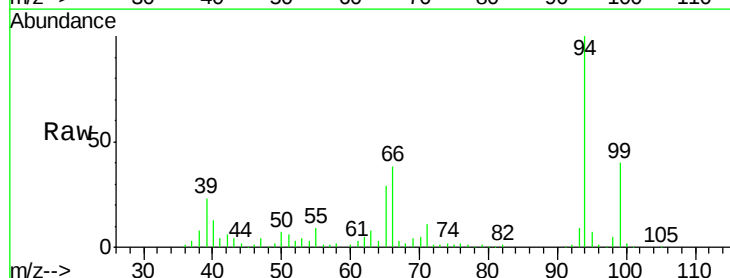
Tgt Ion: 94 Resp: 212638

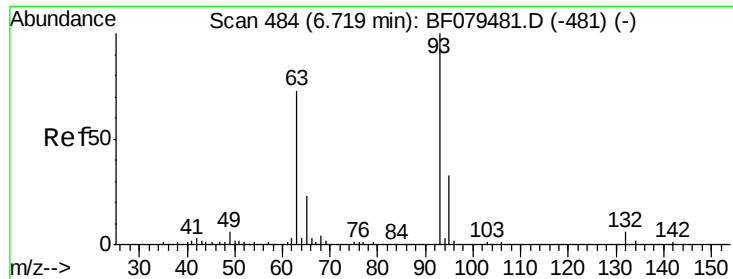
Ion Ratio Lower Upper

94 100

65 28.8 7.2 47.2

66 38.0 16.2 56.2

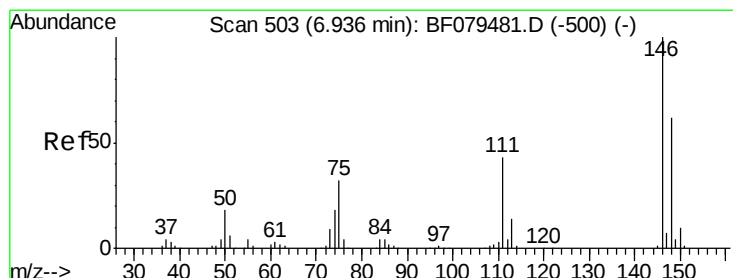
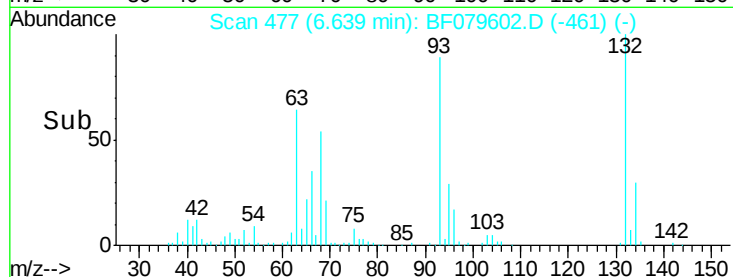
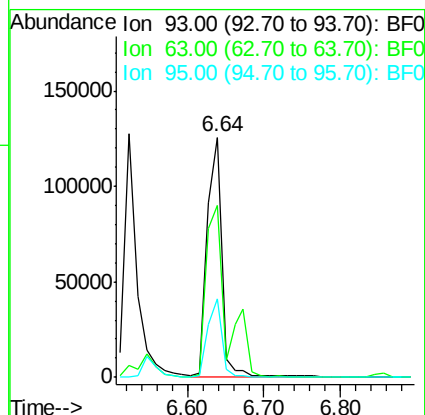
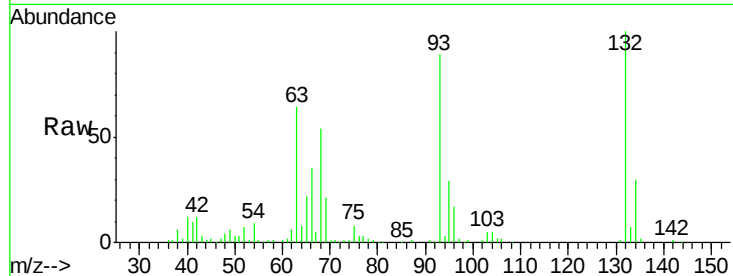




#11
bis(2-Chloroethyl)ether
Concen: 40.39 ng
RT: 6.64 min Scan# 477
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

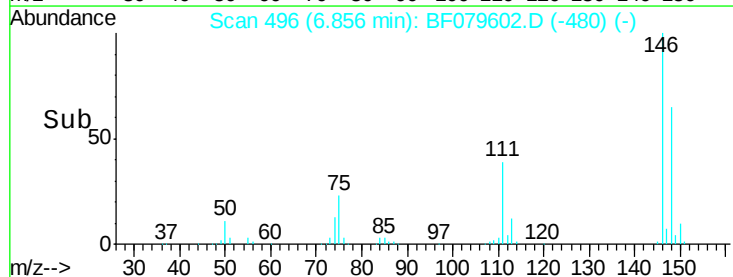
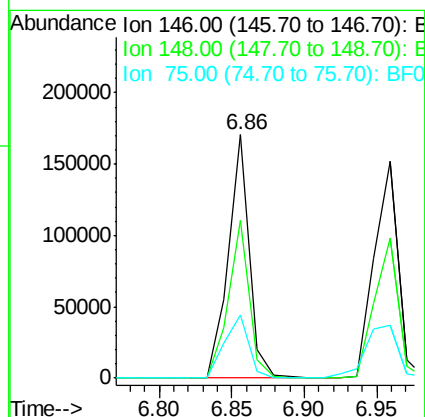
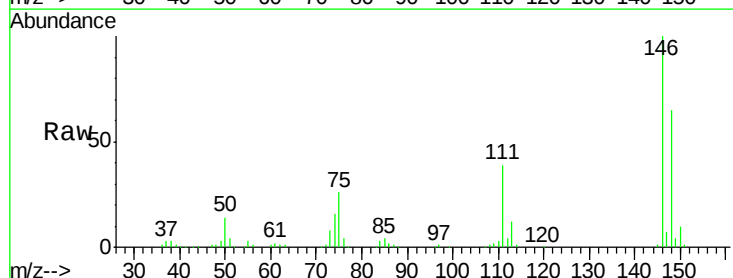
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

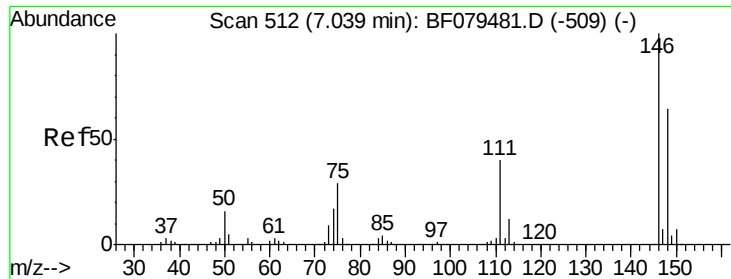
Tgt Ion: 93 Resp: 163395
Ion Ratio Lower Upper
93 100
63 71.9 51.8 91.8
95 32.9 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 35.74 ng
RT: 6.86 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion: 146 Resp: 171784
Ion Ratio Lower Upper
146 100
148 65.0 49.6 74.4
75 25.9 25.9 38.9

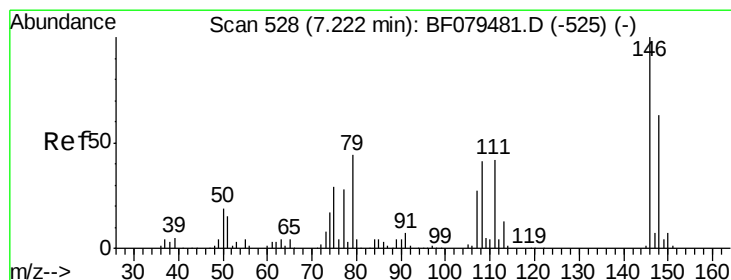
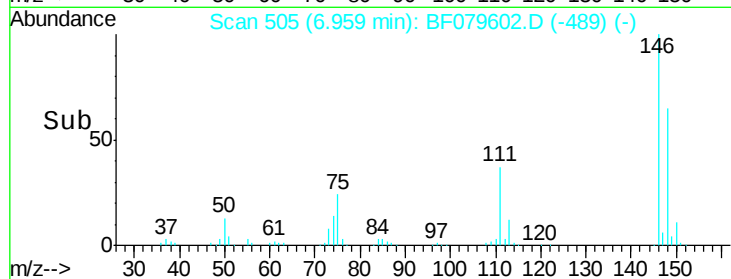
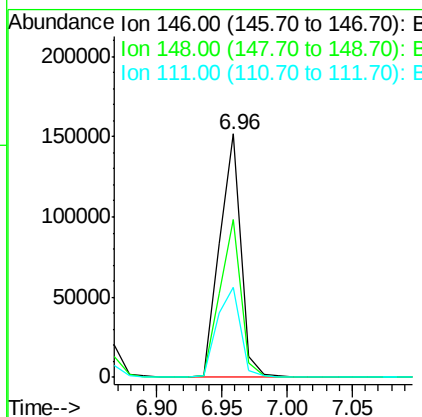
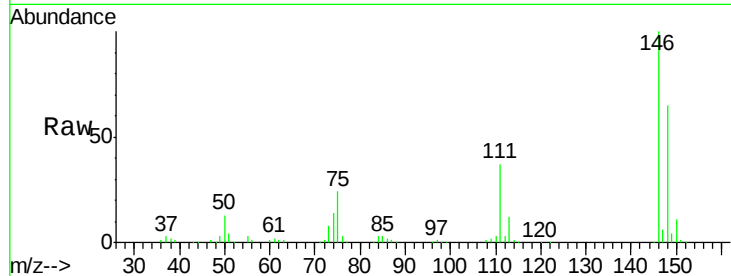




#13
 1,4-Dichlorobenzene
 Concen: 35.42 ng
 RT: 6.96 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

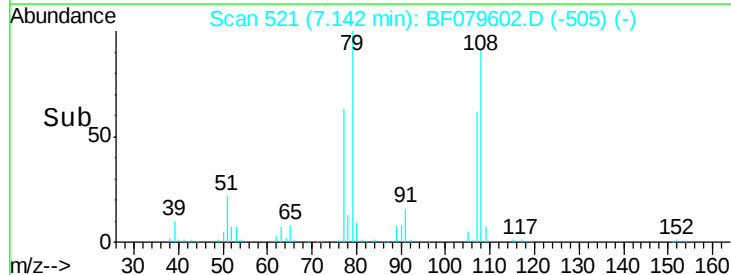
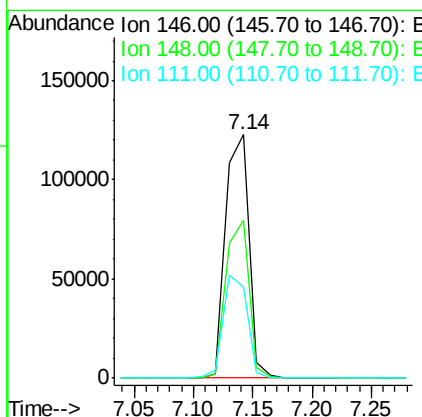
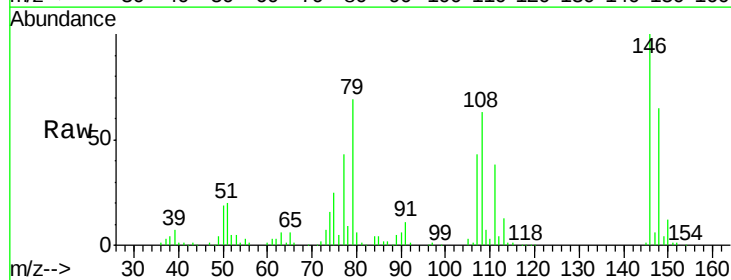
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:146 Resp: 173627
 Ion Ratio Lower Upper
 146 100
 148 64.9 51.3 76.9
 111 36.7 31.8 47.8



#14
 1,2-Dichlorobenzene
 Concen: 36.75 ng
 RT: 7.14 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:146 Resp: 167328
 Ion Ratio Lower Upper
 146 100
 148 65.0 50.6 76.0
 111 37.6 33.2 49.8

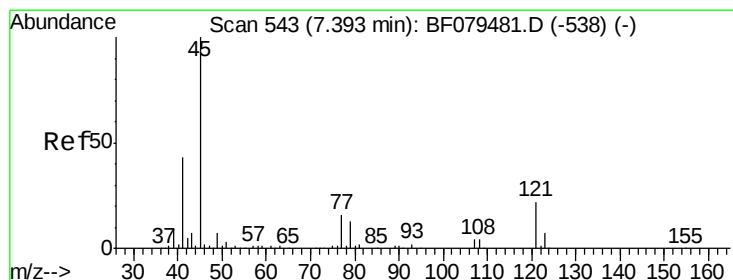
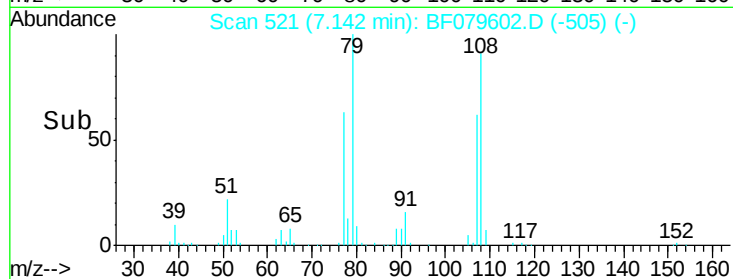
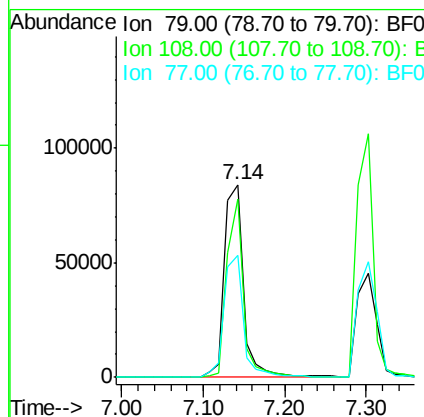
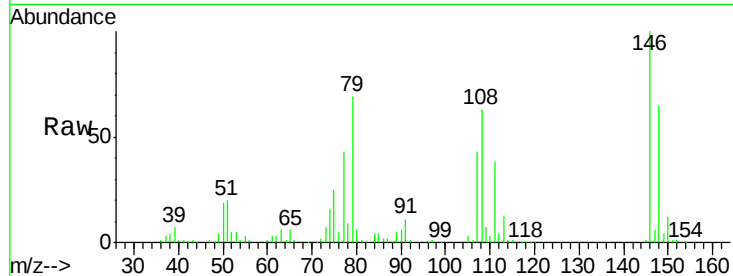




#15
Benzyl Alcohol
Concen: 39.41 ng
RT: 7.14 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

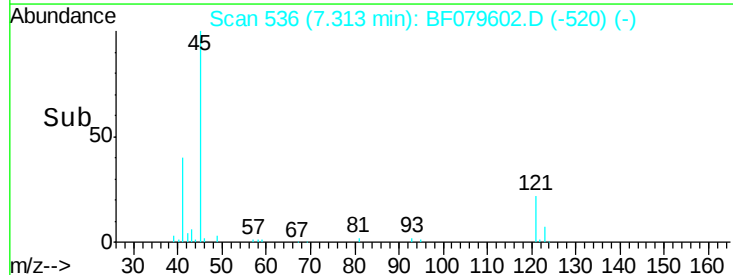
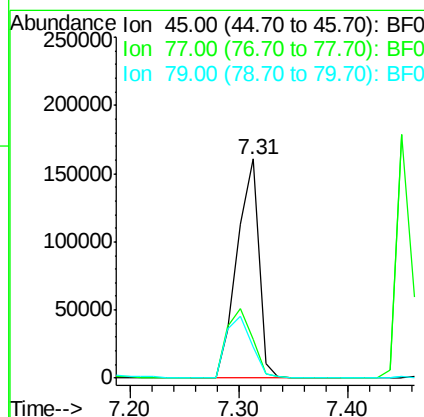
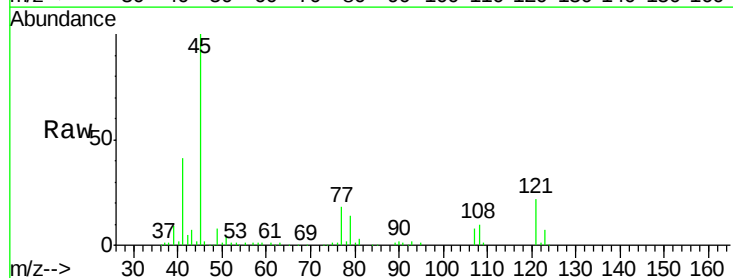
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

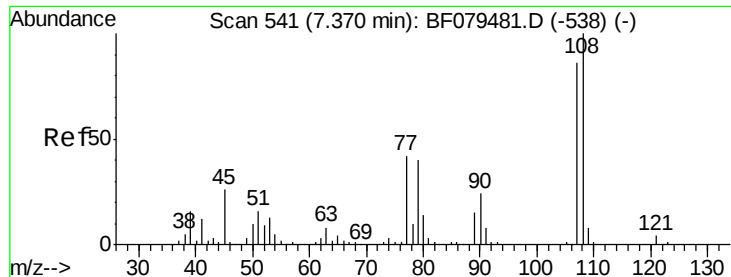
Tgt Ion: 79 Resp: 137561
Ion Ratio Lower Upper
79 100
108 92.3 73.7 110.5
77 63.1 51.1 76.7



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.39 ng
RT: 7.31 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion: 45 Resp: 221420
Ion Ratio Lower Upper
45 100
77 17.8 0.0 35.5
79 14.3 0.0 32.8





#17

2-Methylphenol

Concen: 36.57 ng

RT: 7.30 min Scan# 535

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

Tgt Ion:107 Resp: 124635

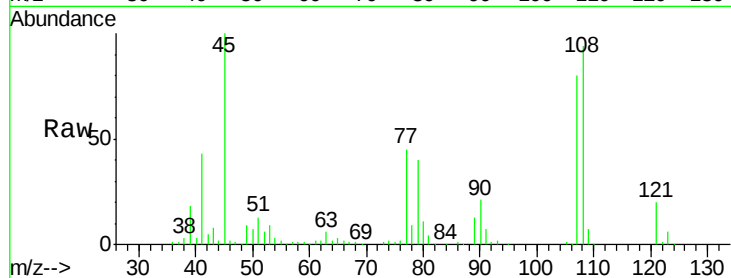
Ion Ratio Lower Upper

107 100

108 118.0 93.1 139.7

77 56.2 39.2 58.8

79 50.2 37.8 56.8

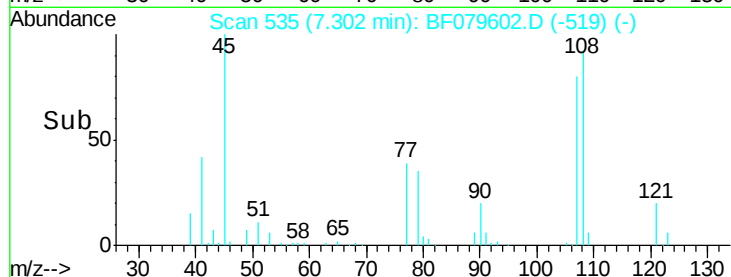


Abundance Ion 107.00 (106.70 to 107.70): E

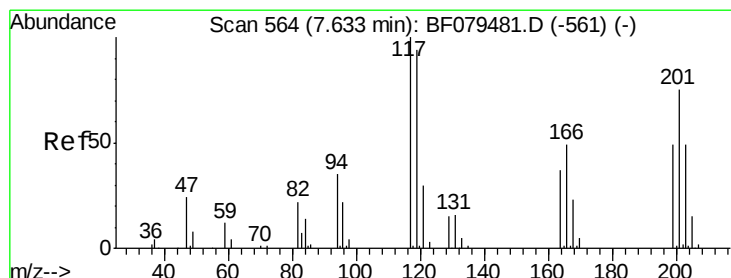
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 35.77 ng

RT: 7.55 min Scan# 557

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

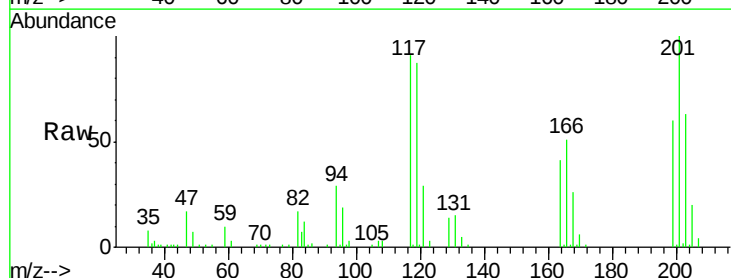
Tgt Ion:117 Resp: 60365

Ion Ratio Lower Upper

117 100

119 95.6 74.9 112.3

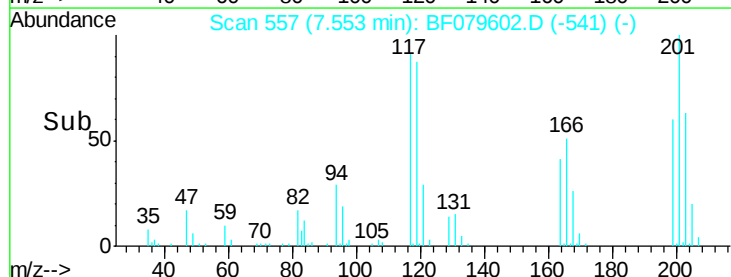
201 110.0 60.2 90.4#



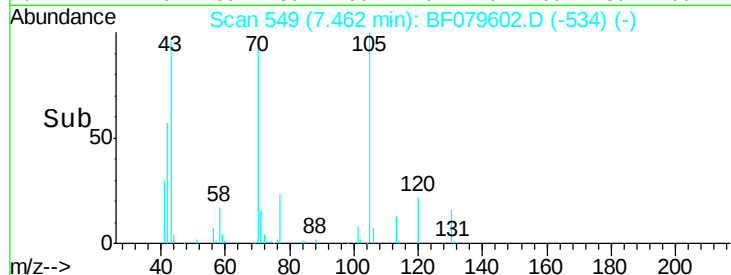
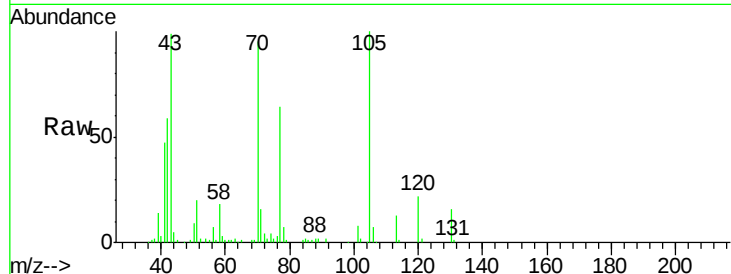
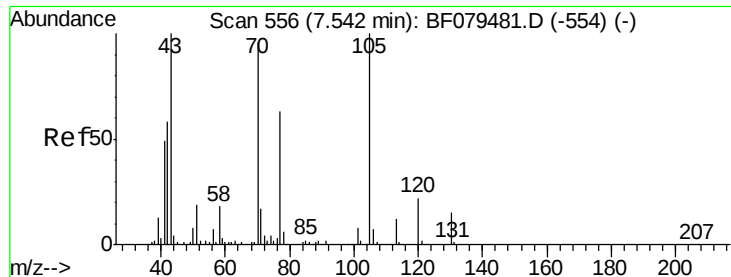
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



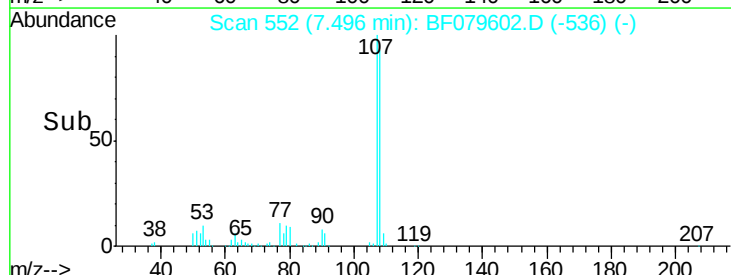
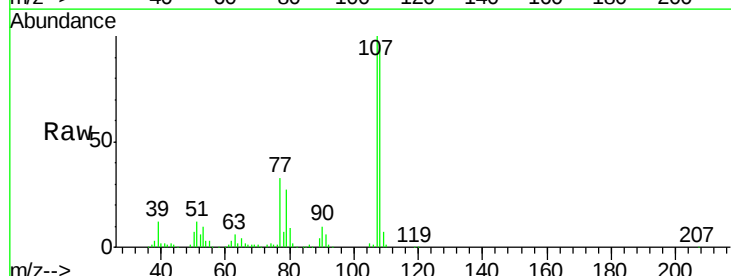
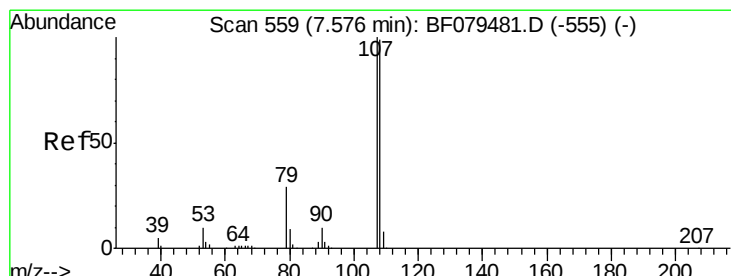
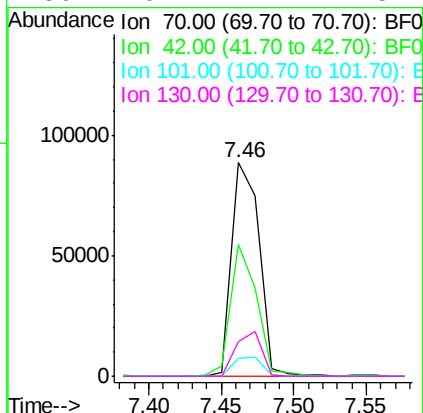
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 34.92 ng
RT: 7.46 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

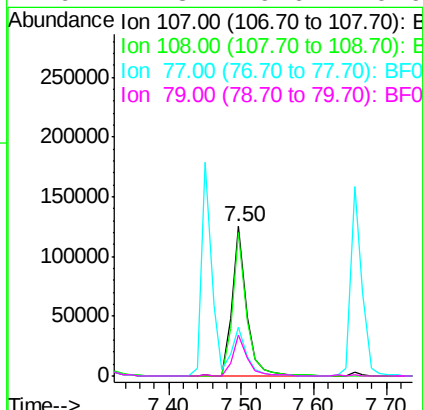
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

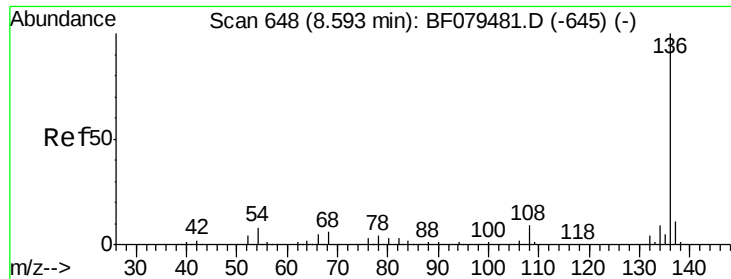
Tgt Ion:	70	Resp:	116699
Ion	Ratio	Lower	Upper
70	100		
42	61.5	48.8	73.2
101	8.2	6.6	9.8
130	16.4	12.2	18.4



#20
3+4-Methylphenols
Concen: 37.14 ng
RT: 7.50 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:	107	Resp:	173921
Ion	Ratio	Lower	Upper
107	100		
108	95.5	77.7	117.7
77	32.6	11.4	51.4
79	27.3	9.6	49.6

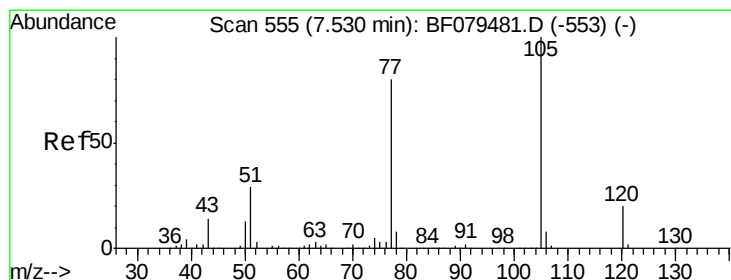
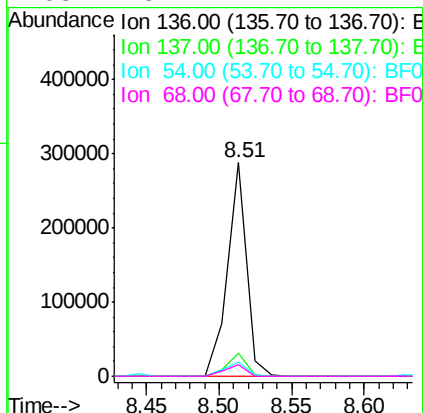
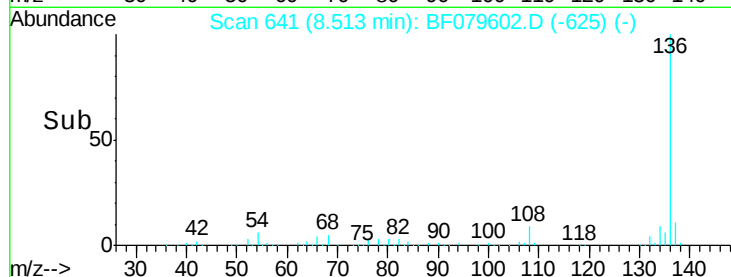
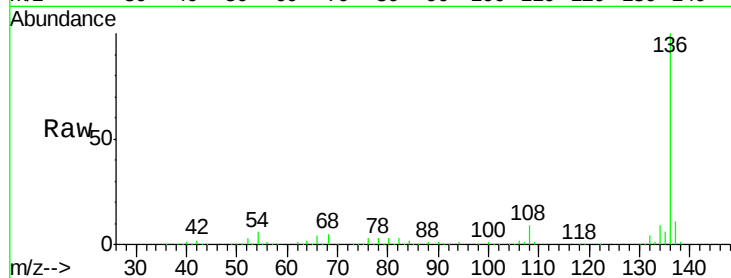




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

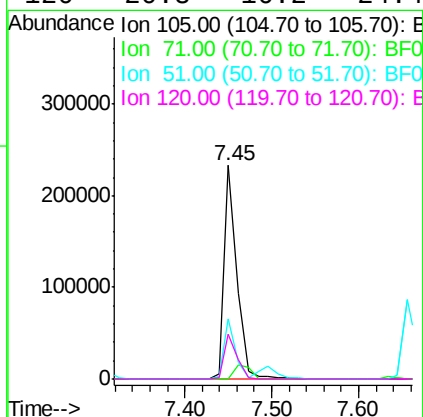
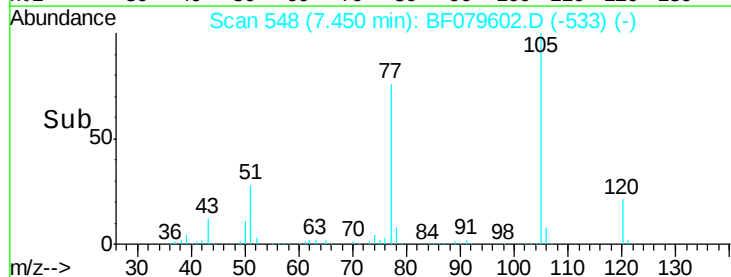
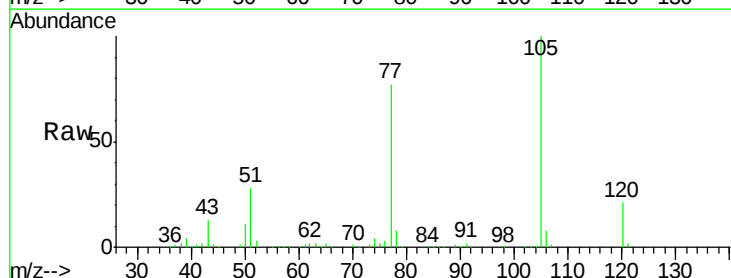
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

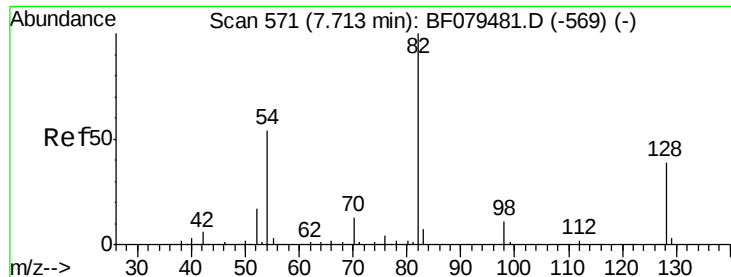
Tgt Ion:	136	Resp:	261602
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.4	6.6	9.8#
68	5.4	4.7	7.1



#22
Acetophenone
Concen: 40.89 ng
RT: 7.45 min Scan# 548
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:	105	Resp:	239637
Ion Ratio	Lower	Upper	
105	100		
71	0.2	0.2	0.4#
51	28.0	23.7	35.5
120	20.8	16.2	24.4

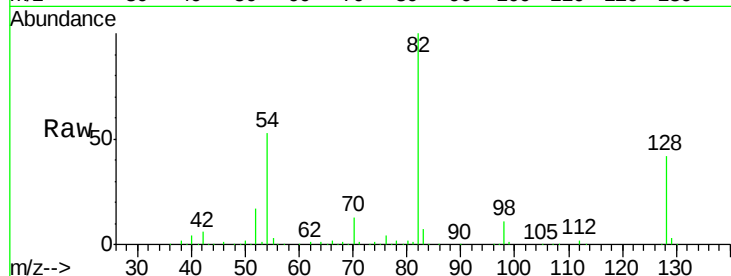




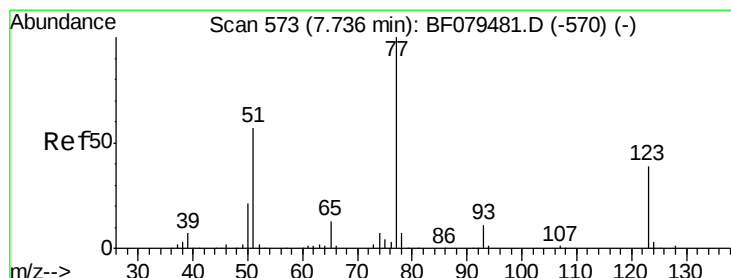
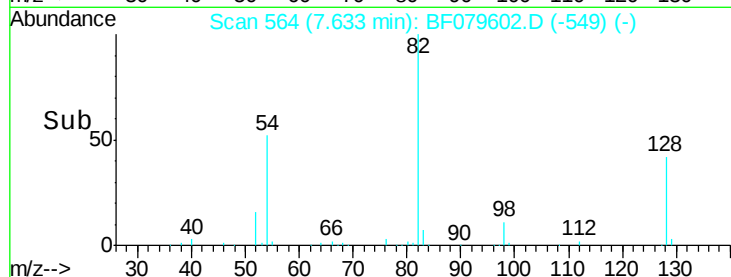
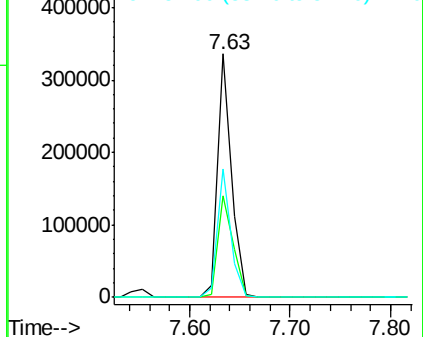
#23
 Nitrobenzene-d5
 Concen: 71.57 ng
 RT: 7.63 min Scan# 564
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion: 82 Resp: 323886
 Ion Ratio Lower Upper
 82 100
 128 41.7 30.8 46.2
 54 52.7 42.8 64.2

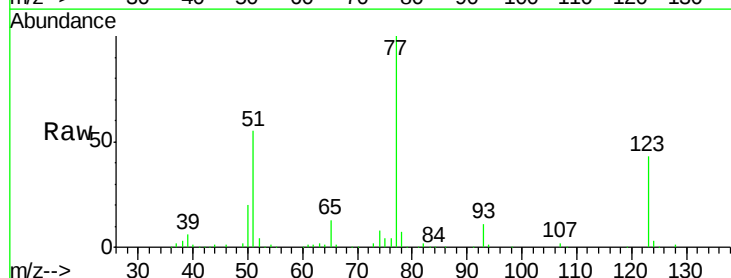


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

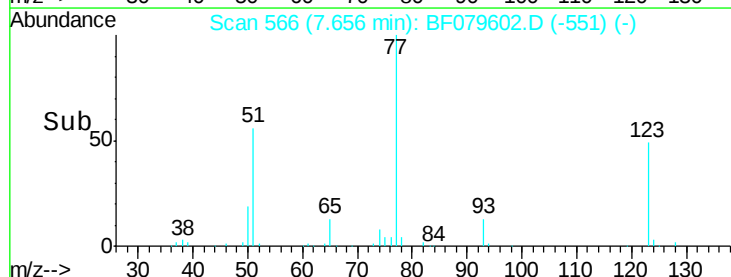
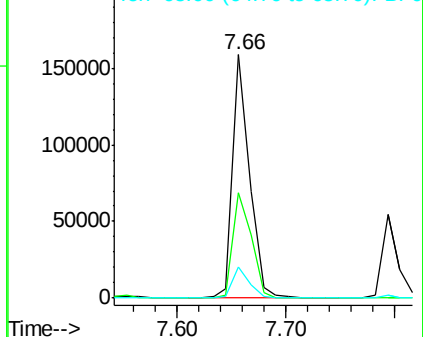


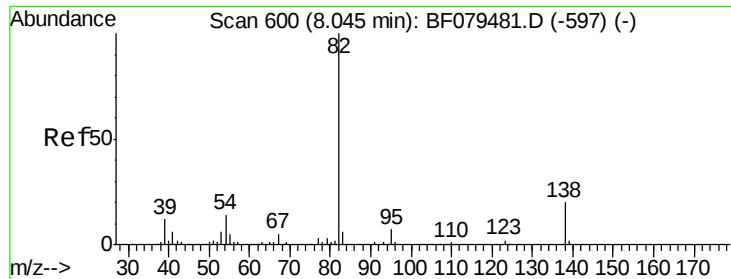
#24
 Nitrobenzene
 Concen: 37.43 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion: 77 Resp: 166954
 Ion Ratio Lower Upper
 77 100
 123 43.3 31.0 46.4
 65 12.9 10.6 15.8



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: 37.27 ng

RT: 7.96 min Scan# 593

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

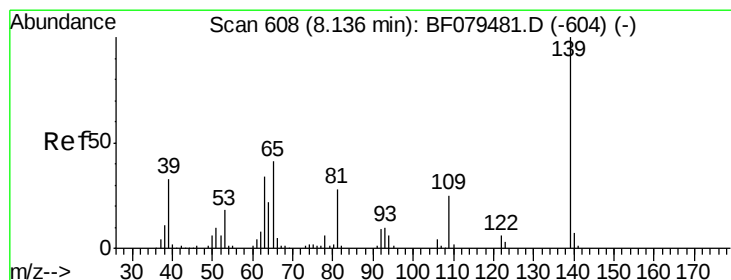
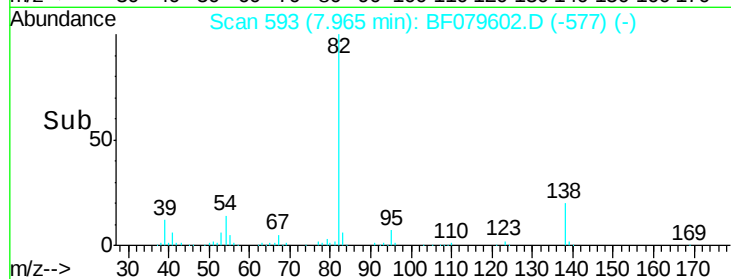
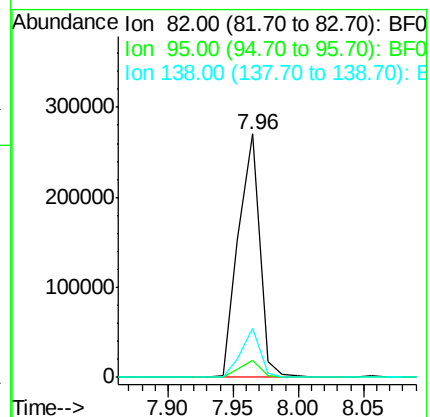
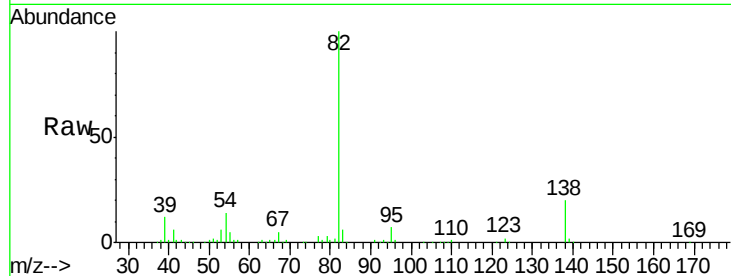
Tgt Ion: 82 Resp: 307408

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

138 20.1 16.1 24.1



#26

2-Nitrophenol

Concen: 39.82 ng

RT: 8.06 min Scan# 601

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

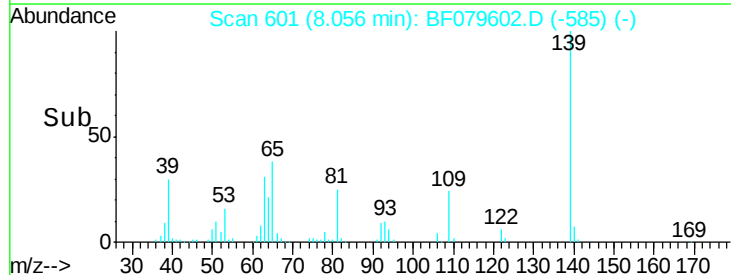
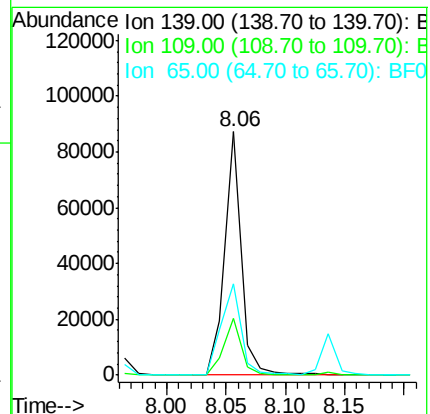
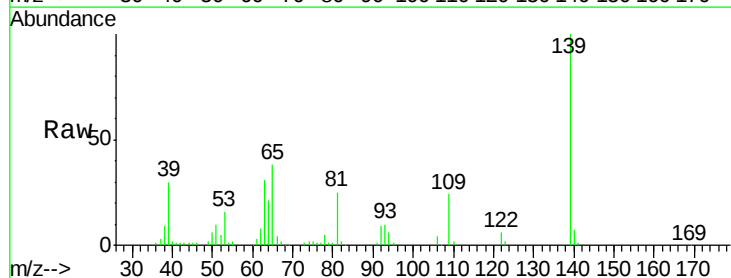
Tgt Ion: 139 Resp: 84083

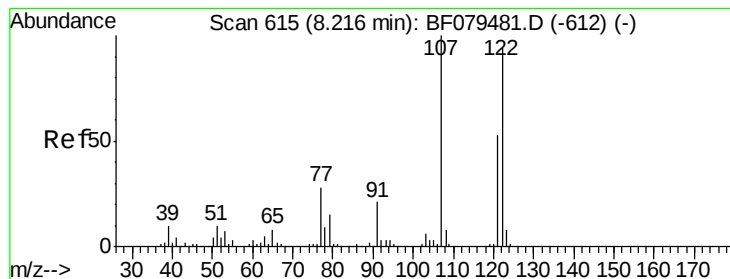
Ion Ratio Lower Upper

139 100

109 23.5 20.2 30.2

65 37.5 32.5 48.7





#27

2,4-Dimethylphenol

Concen: 37.12 ng

RT: 8.14 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

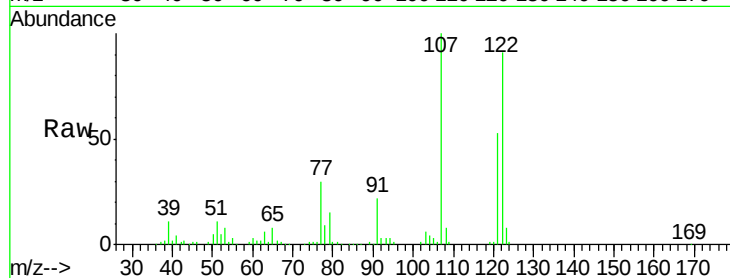
Tgt Ion:122 Resp: 140921

Ion Ratio Lower Upper

122 100

107 109.3 85.2 127.8

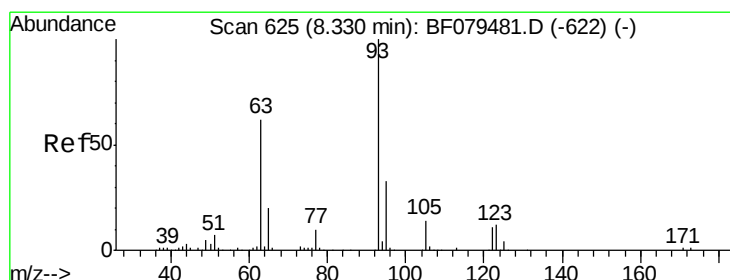
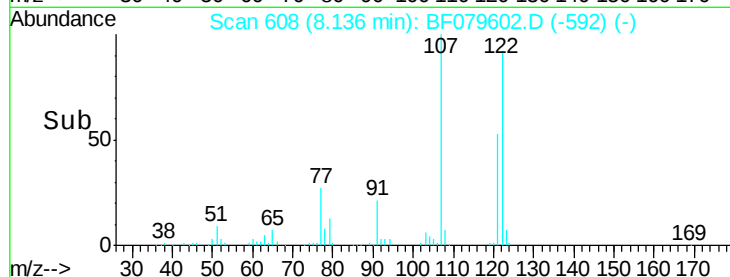
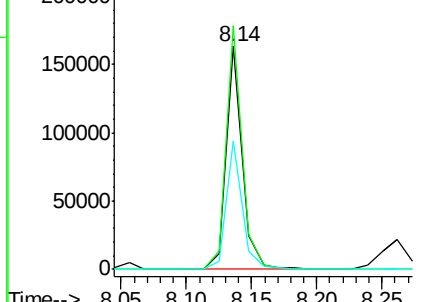
121 57.6 45.2 67.8



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: 39.39 ng

RT: 8.25 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

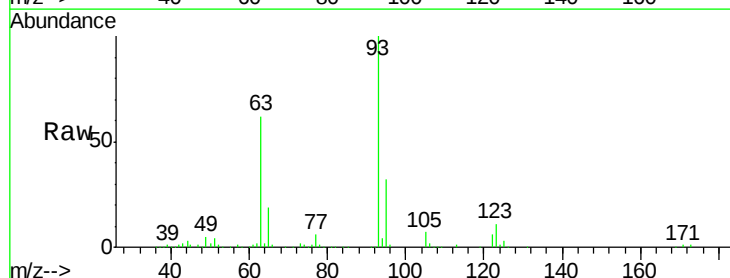
Tgt Ion: 93 Resp: 201393

Ion Ratio Lower Upper

93 100

95 32.2 26.6 39.8

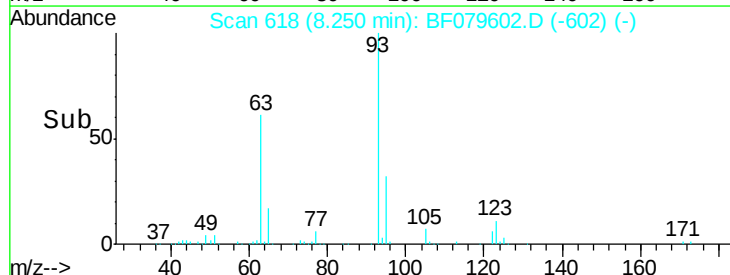
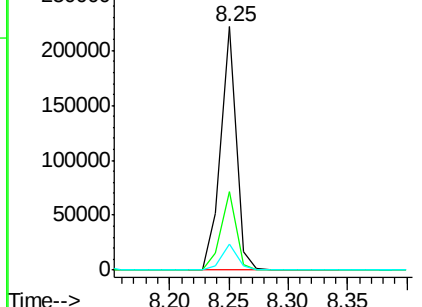
123 10.9 9.4 14.0

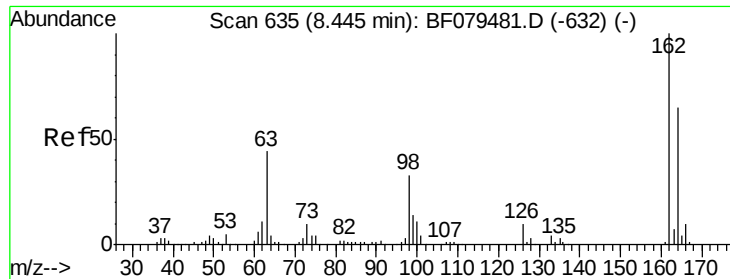


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

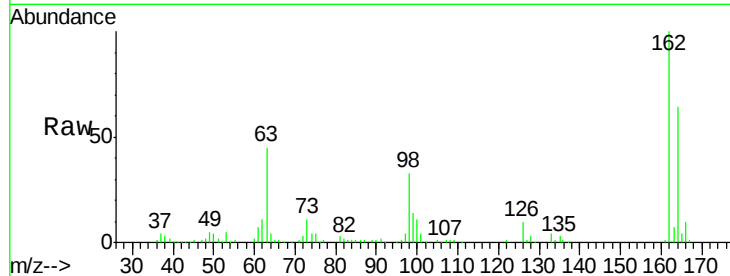




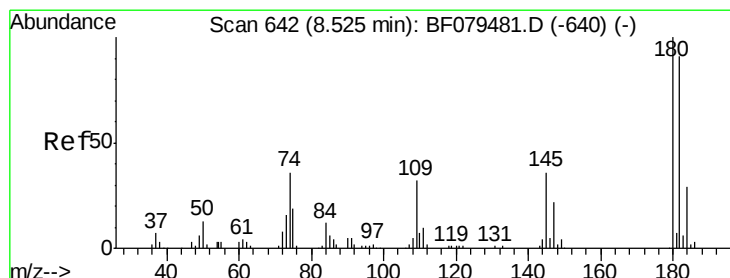
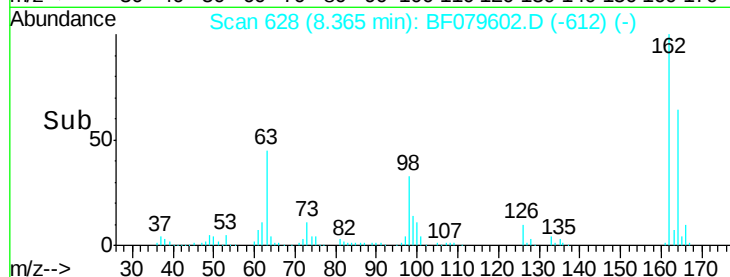
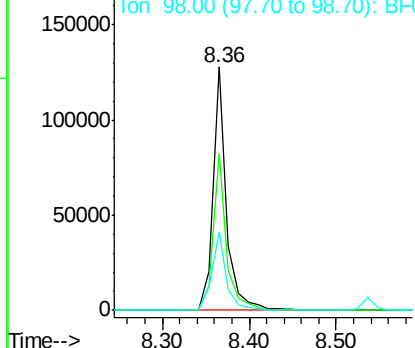
#29
 2,4-Dichlorophenol
 Concen: 39.84 ng
 RT: 8.36 min Scan# 628
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:162 Resp: 138522
 Ion Ratio Lower Upper
 162 100
 164 64.3 45.0 85.0
 98 32.5 13.2 53.2

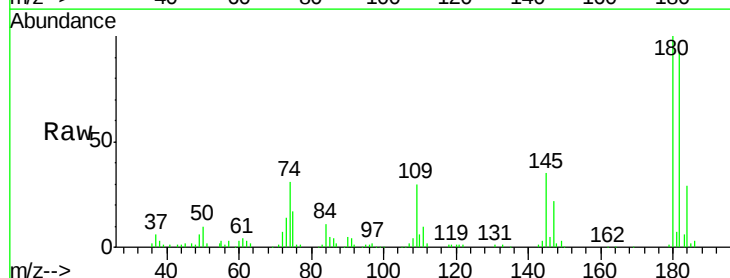


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

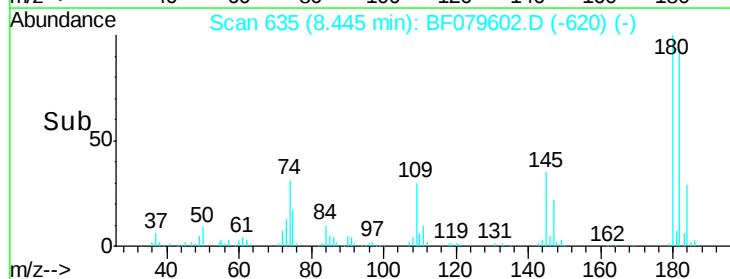
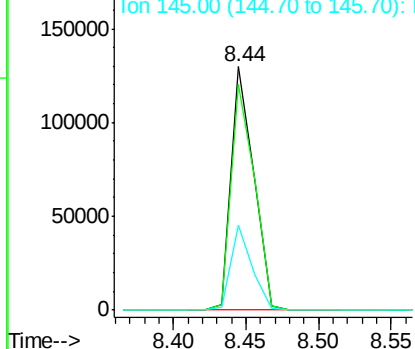


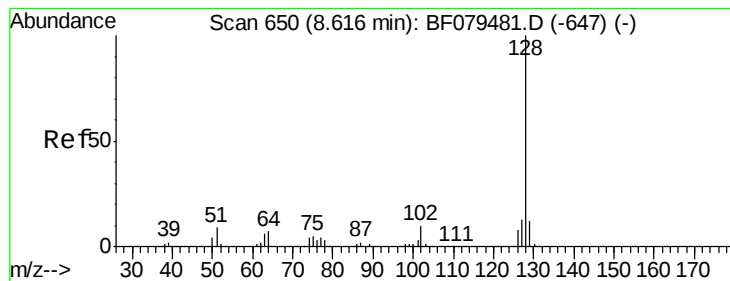
#30
 1,2,4-Trichlorobenzene
 Concen: 38.94 ng
 RT: 8.44 min Scan# 635
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:180 Resp: 140450
 Ion Ratio Lower Upper
 180 100
 182 92.9 73.2 109.8
 145 34.6 28.9 43.3



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: 39.25 ng

RT: 8.54 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

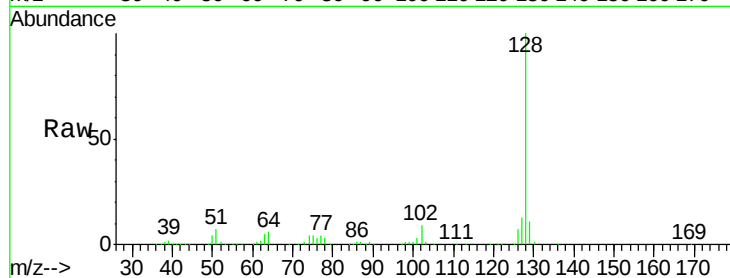
Tgt Ion:128 Resp: 492764

Ion Ratio Lower Upper

128 100

129 11.2 9.3 13.9

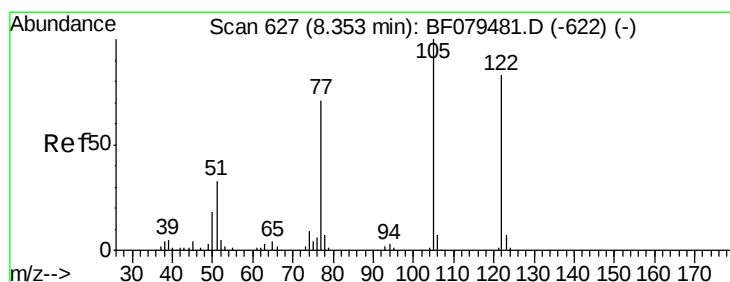
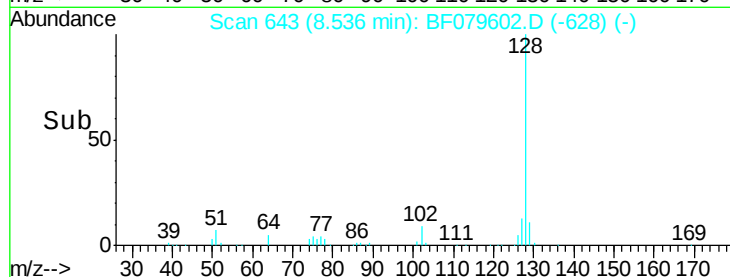
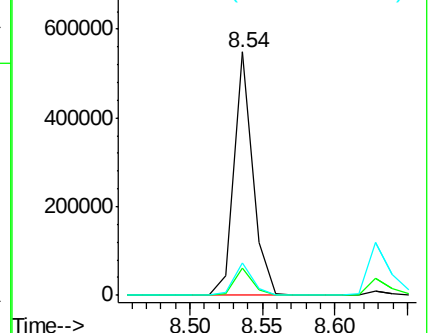
127 13.1 10.6 15.8



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: 18.11 ng

RT: 8.26 min Scan# 619

Delta R.T. -0.05 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

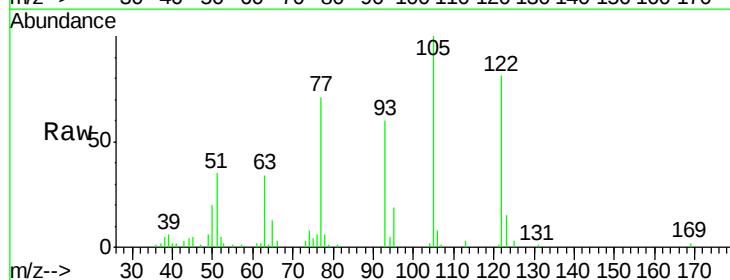
Tgt Ion:122 Resp: 42671

Ion Ratio Lower Upper

122 100

105 122.7 100.2 140.2

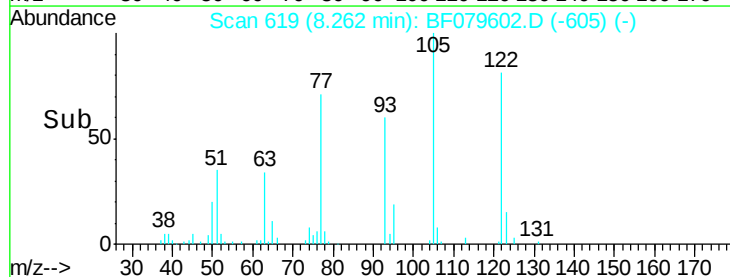
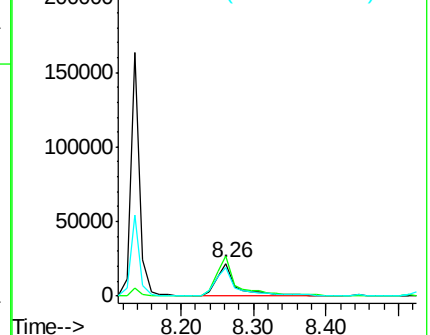
77 87.1 64.8 104.8

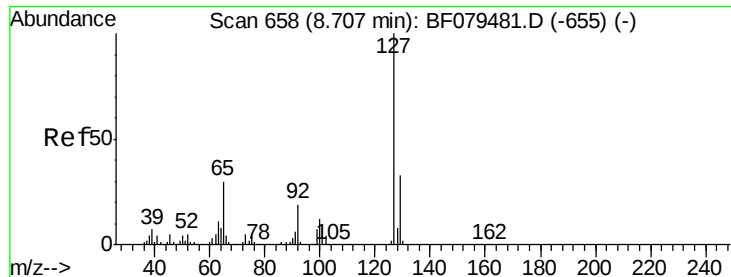


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

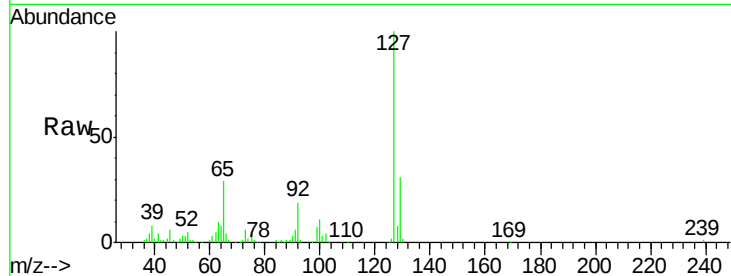




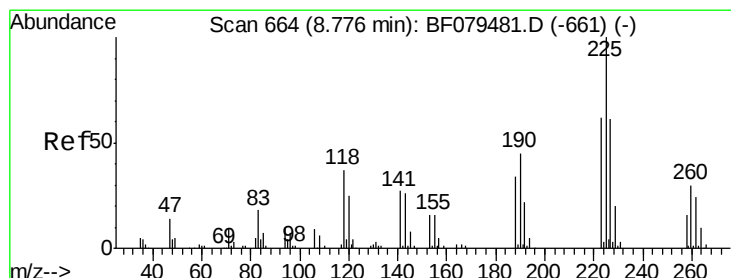
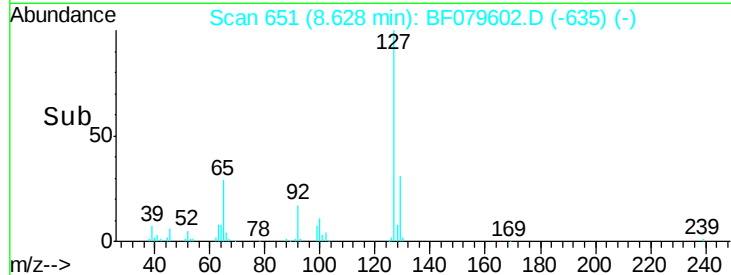
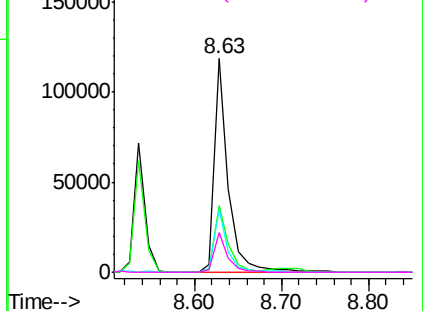
#33
4-Chloroaniline
Concen: 25.54 ng
RT: 8.63 min Scan# 651
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

Tgt Ion:	127	Resp:	133977
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.2
65	29.1	24.2	36.4
92	18.5	15.4	23.0

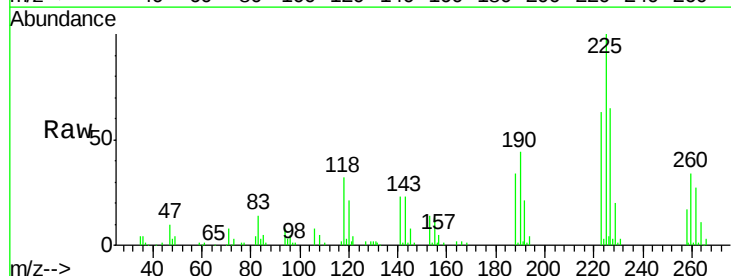


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

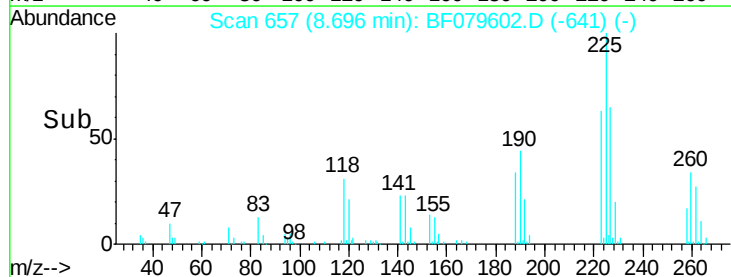
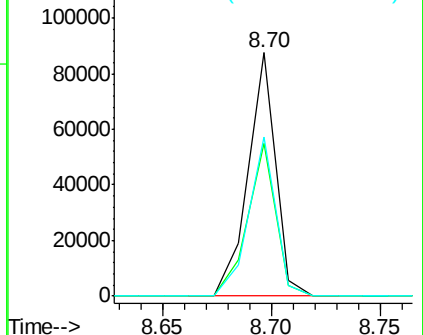


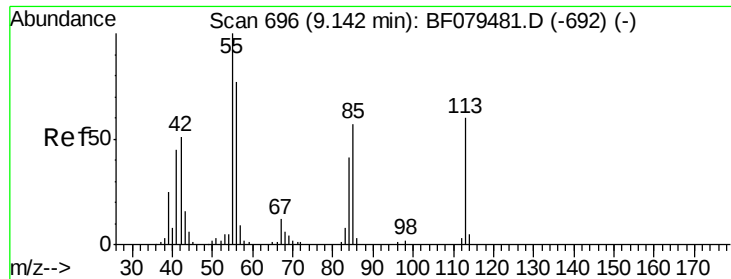
#34
Hexachlorobutadiene
Concen: 37.63 ng
RT: 8.70 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:	225	Resp:	77210
Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.9	74.9
227	65.5	48.9	73.3



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 35.90 ng

RT: 9.05 min Scan# 688

Delta R.T. -0.05 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

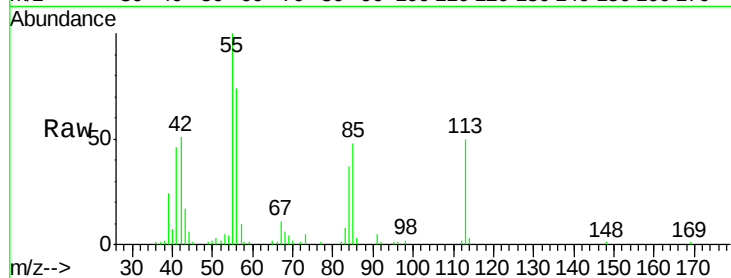
Tgt Ion:113 Resp: 39362

Ion Ratio Lower Upper

113 100

55 200.8 147.2 187.2#

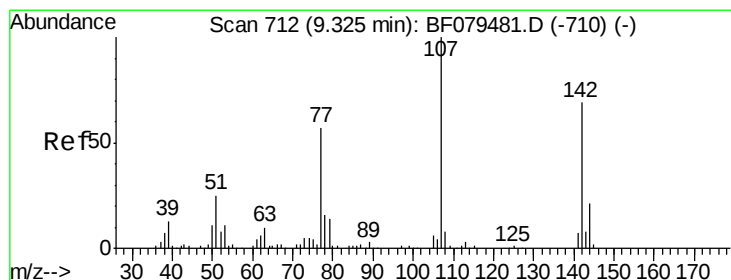
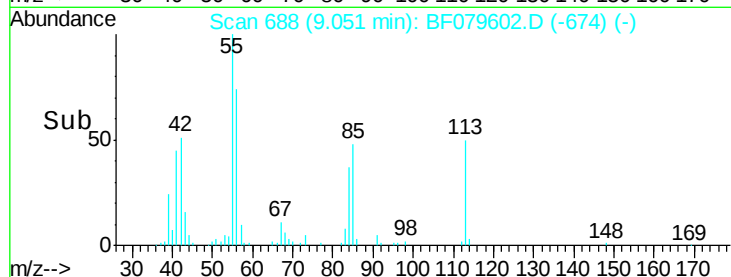
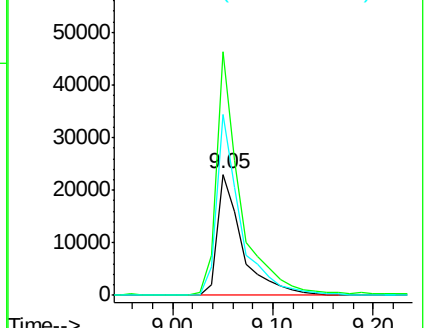
56 149.4 108.6 148.6#



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: 37.73 ng

RT: 9.26 min Scan# 706

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

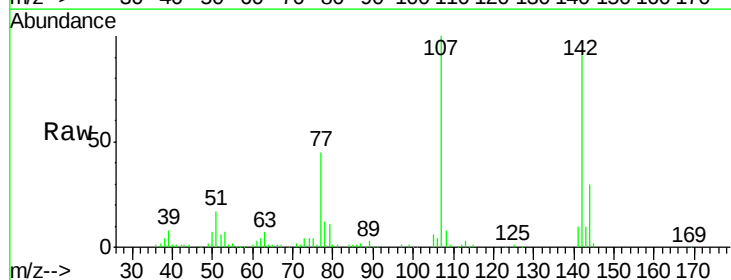
Tgt Ion:107 Resp: 136069

Ion Ratio Lower Upper

107 100

144 30.2 16.9 25.3#

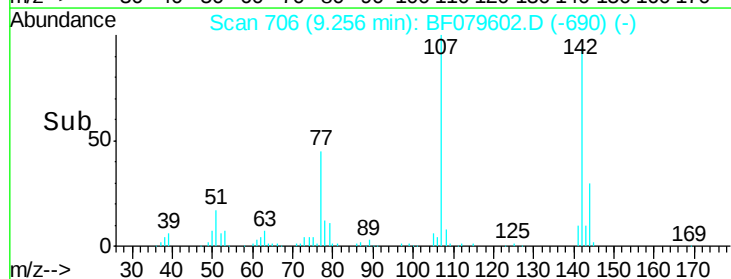
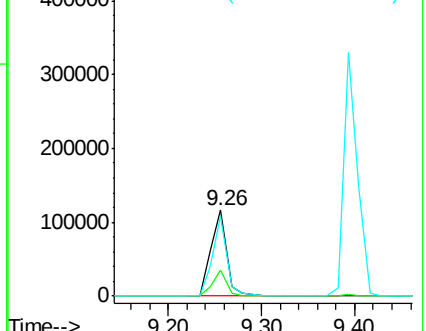
142 93.9 55.2 82.8#

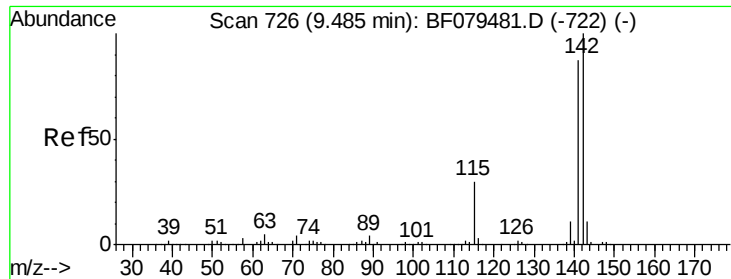


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

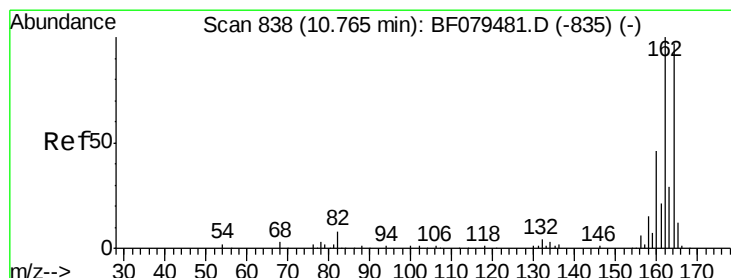
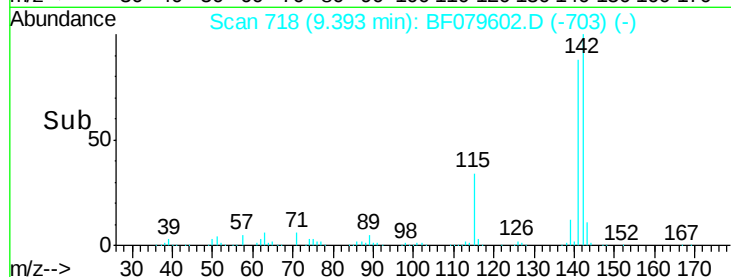
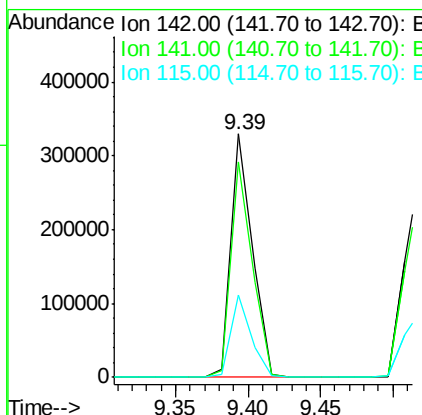
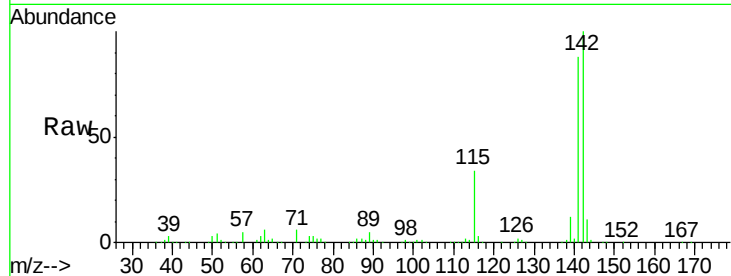




#37
 2-Methylnaphthalene
 Concen: 38.98 ng
 RT: 9.39 min Scan# 718
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

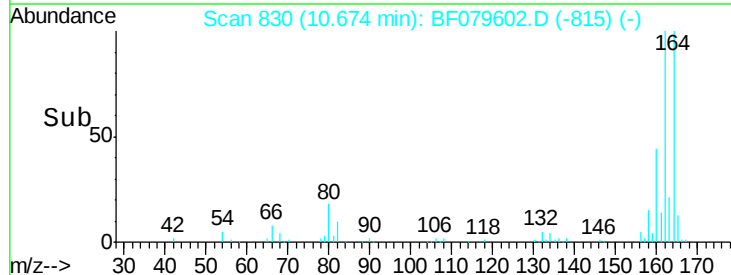
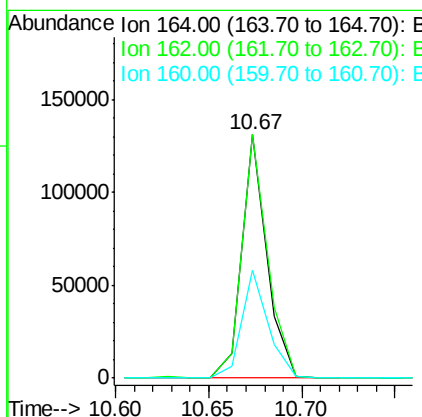
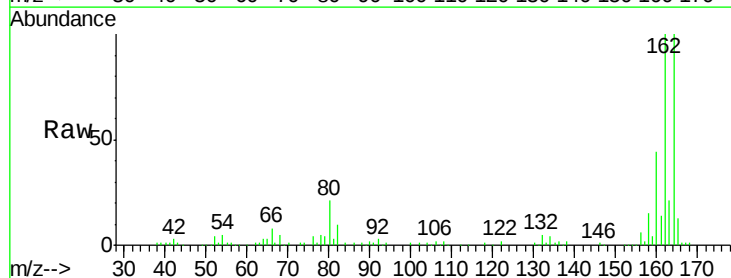
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

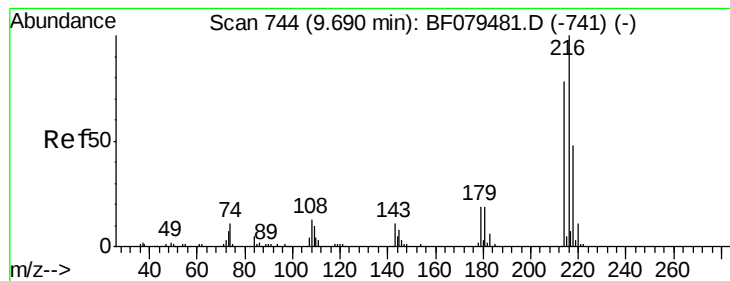
Tgt Ion:142 Resp: 339718
 Ion Ratio Lower Upper
 142 100
 141 88.5 69.5 104.3
 115 33.7 23.8 35.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:164 Resp: 122227
 Ion Ratio Lower Upper
 164 100
 162 100.2 82.6 124.0
 160 44.3 37.7 56.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 39.49 ng

RT: 9.60 min Scan# 736

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

Tgt Ion:216 Resp: 134997

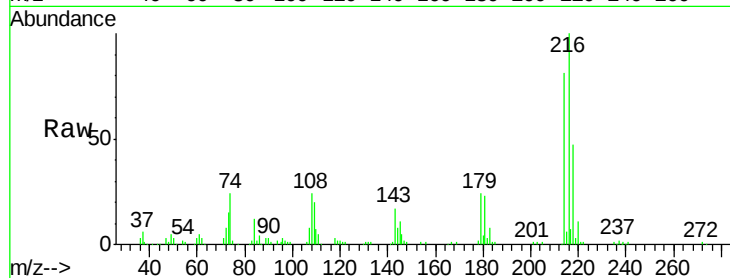
Ion Ratio Lower Upper

216 100

214 78.9 0.0 0.0#

179 22.0 0.0 0.0#

108 20.9 0.0 0.0#

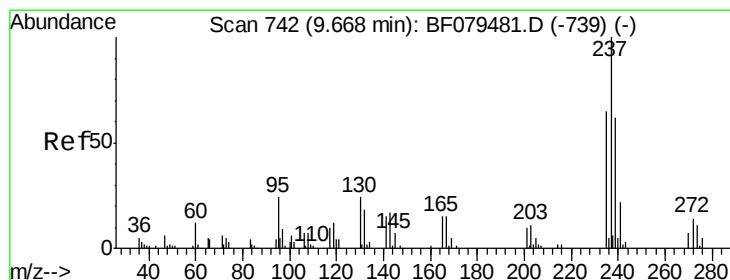
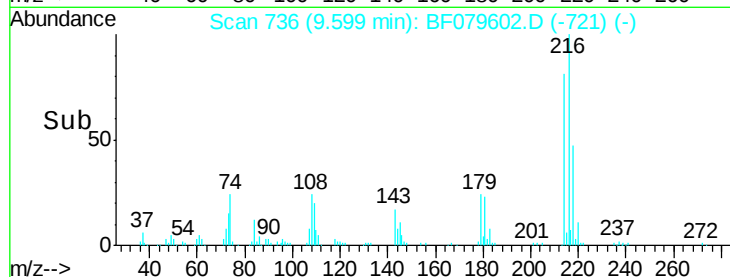
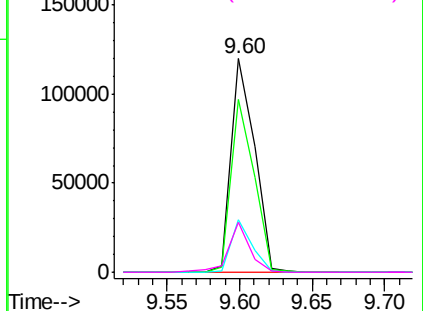


Abundance Ion 216.00 (215.70 to 216.70): E

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: 62.94 ng

RT: 9.59 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

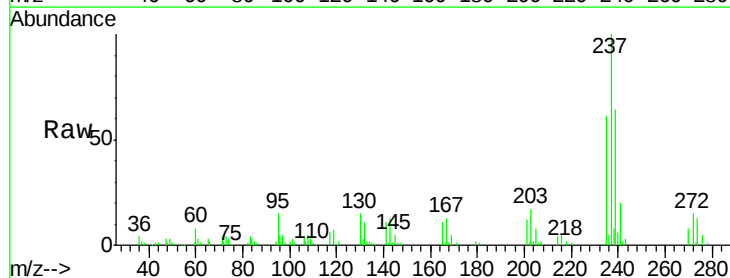
Tgt Ion:237 Resp: 58588

Ion Ratio Lower Upper

237 100

235 61.4 45.0 85.0

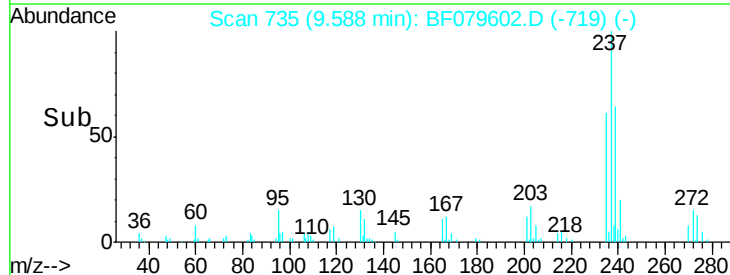
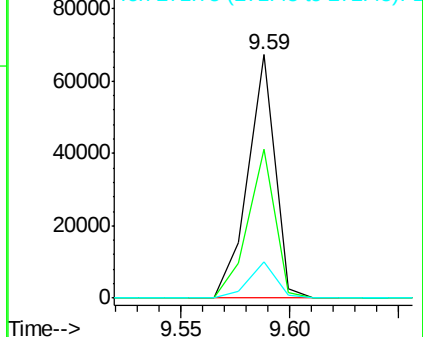
272 14.7 0.0 33.9

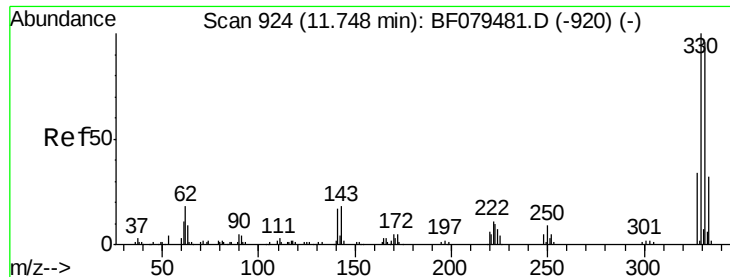


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

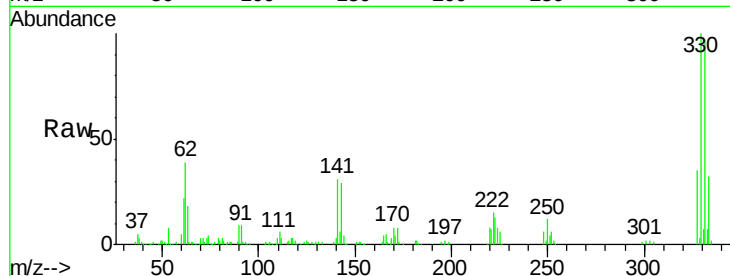




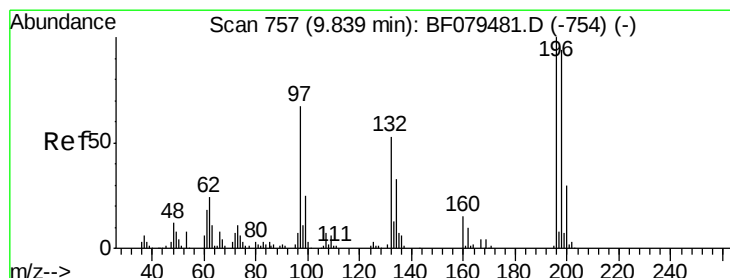
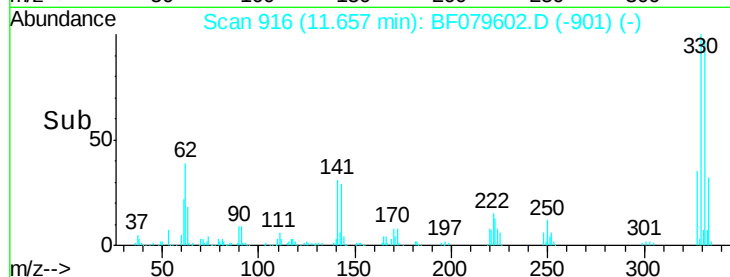
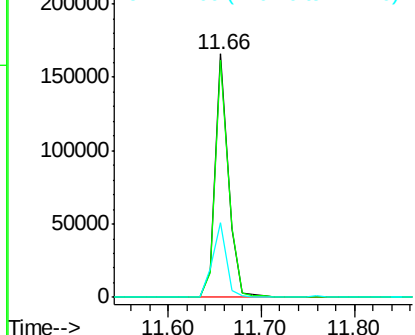
#41
 2,4,6-Tribromophenol
 Concen: 122.05 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:330 Resp: 163856
 Ion Ratio Lower Upper
 330 100
 332 97.4 0.0 0.0#
 141 32.5 0.0 0.0#

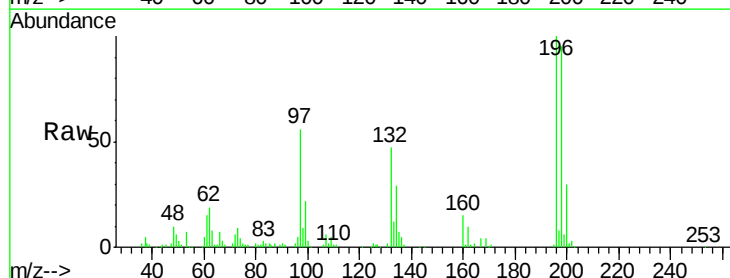


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

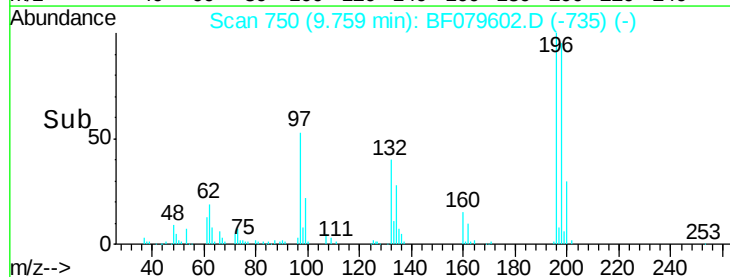
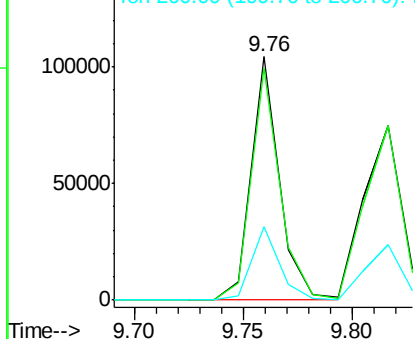


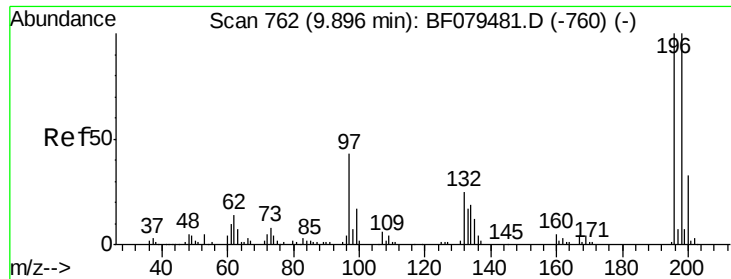
#42
 2,4,6-Trichlorophenol
 Concen: 39.53 ng
 RT: 9.76 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:196 Resp: 94372
 Ion Ratio Lower Upper
 196 100
 198 95.1 75.3 112.9
 200 30.4 23.8 35.8



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

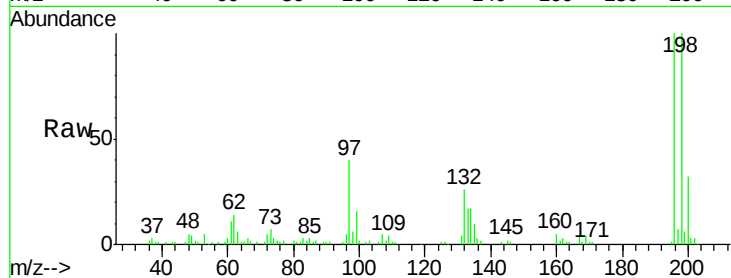




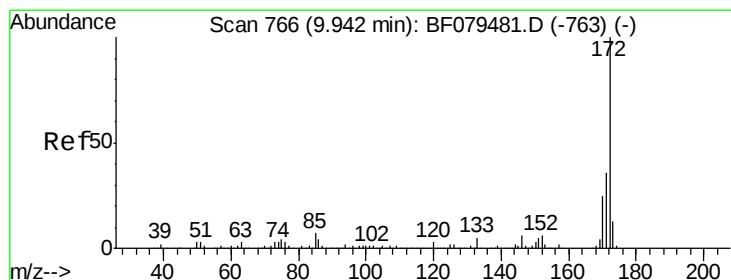
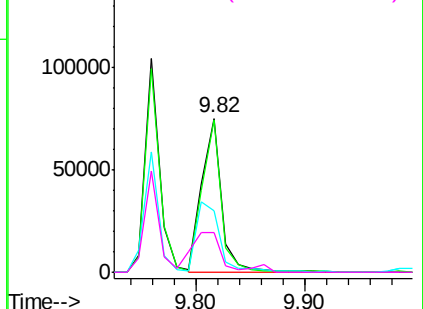
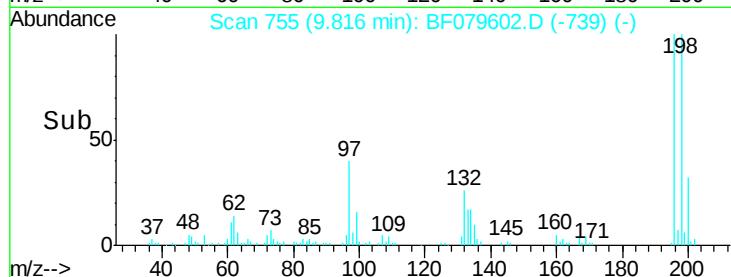
#43
 2,4,5-Trichlorophenol
 Concen: 40.36 ng
 RT: 9.82 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:	196	Resp:	95912
Ion	Ratio	Lower	Upper
196	100		
198	99.6	80.3	120.5
97	40.2	34.8	52.2
132	26.2	20.6	31.0

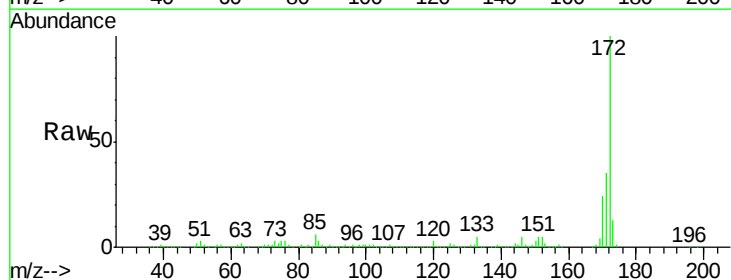


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

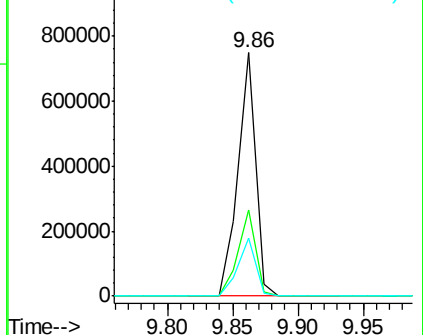
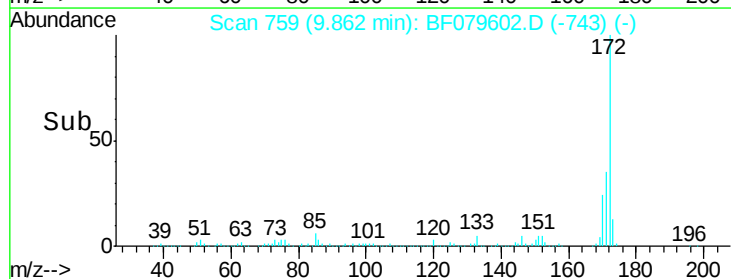


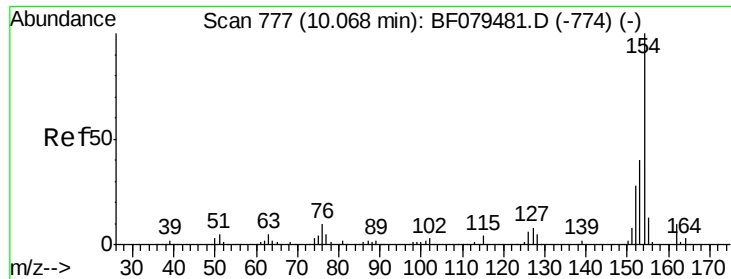
#44
 2-Fluorobiphenyl
 Concen: 81.76 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:	172	Resp:	700418
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.9	19.7	29.5



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

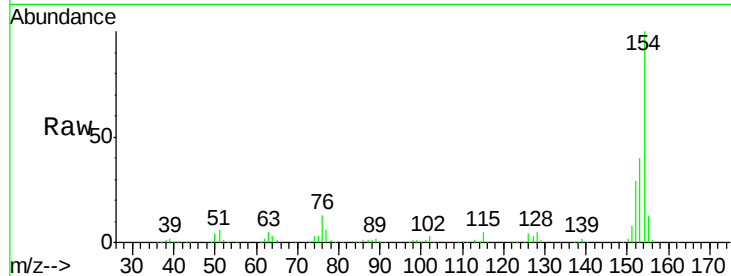




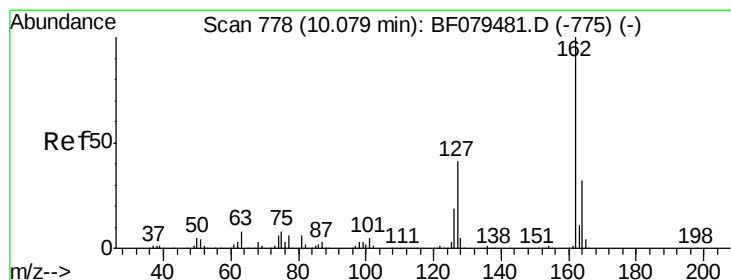
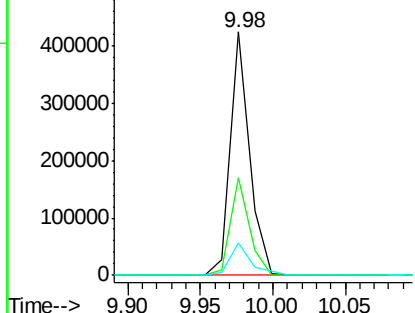
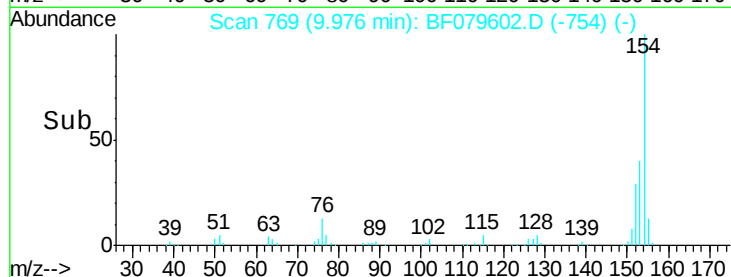
#45
 1,1'-Biphenyl
 Concen: 40.70 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:154 Resp: 388519
 Ion Ratio Lower Upper
 154 100
 153 40.2 19.5 59.5
 76 13.4 0.0 29.6

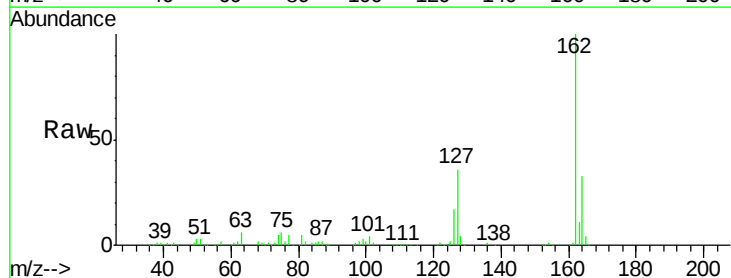


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

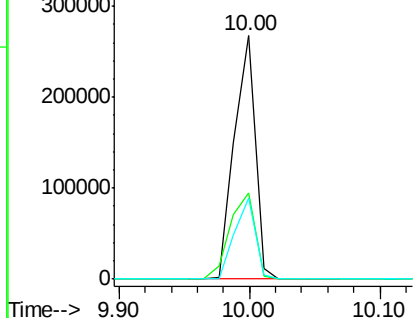
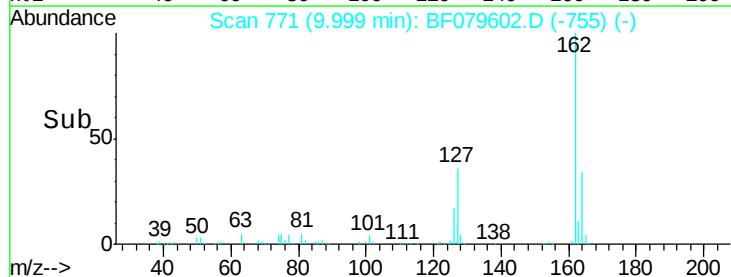


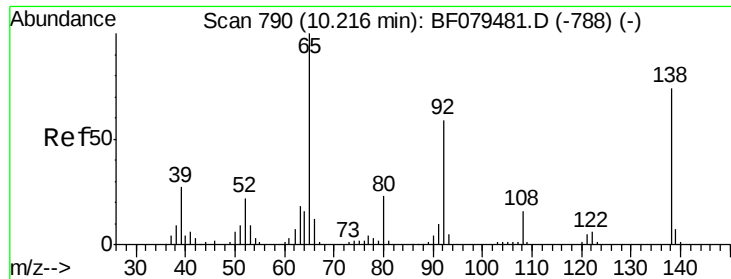
#46
 2-Chloronaphthalene
 Concen: 39.31 ng
 RT: 10.00 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:162 Resp: 296382
 Ion Ratio Lower Upper
 162 100
 127 35.5 32.7 49.1
 164 33.4 25.8 38.6



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

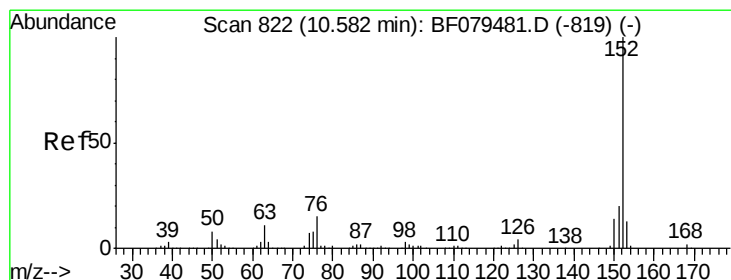
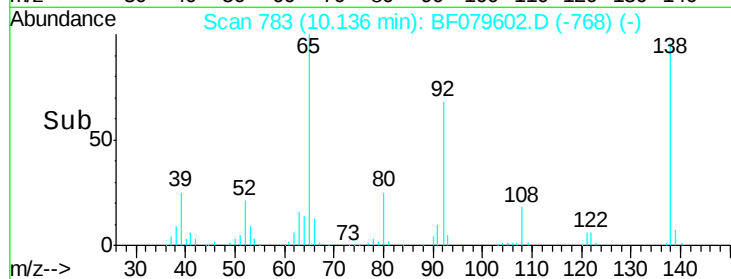
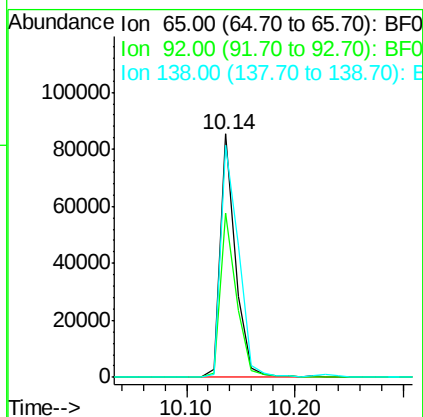
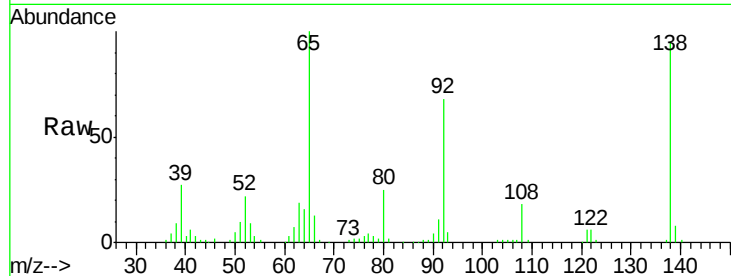




#47
2-Nitroaniline
Concen: 37.68 ng
RT: 10.14 min Scan# 783
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

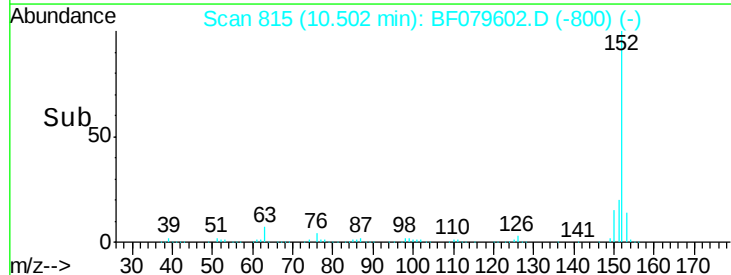
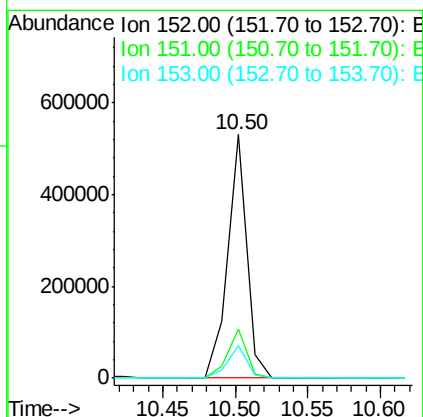
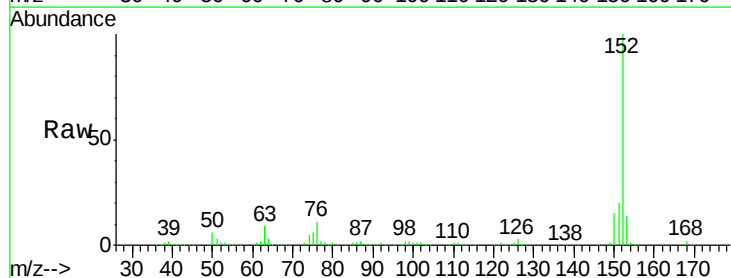
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

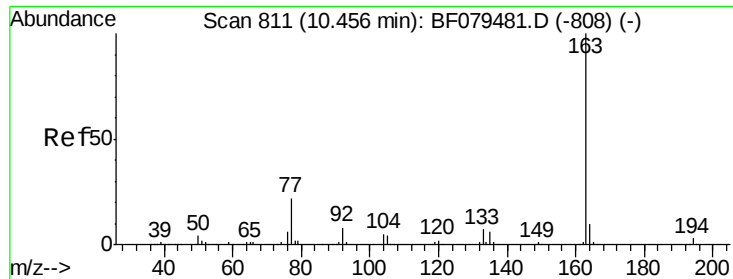
Tgt Ion: 65 Resp: 84463
Ion Ratio Lower Upper
65 100
92 67.7 47.2 70.8
138 95.3 59.2 88.8#



#48
Acenaphthylene
Concen: 38.91 ng
RT: 10.50 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion: 152 Resp: 486912
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.5 10.7 16.1

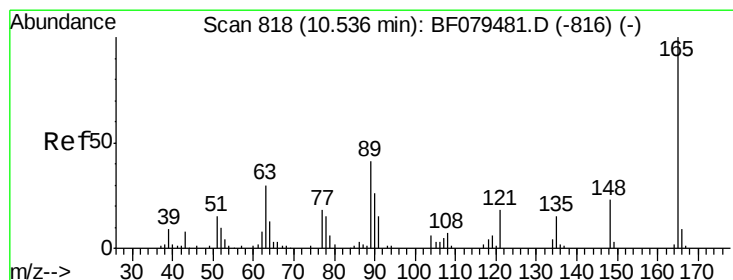
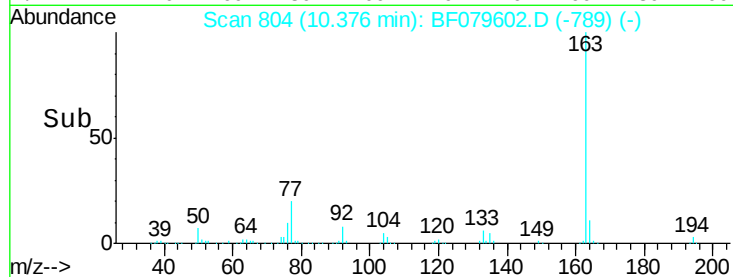
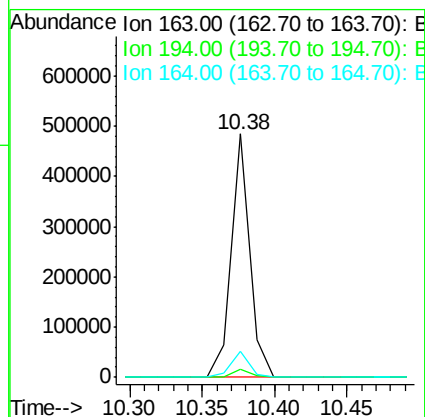
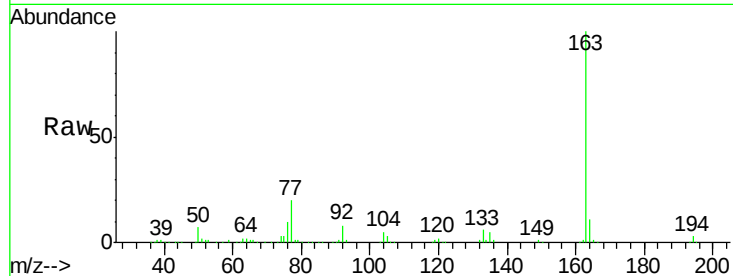




#49
Dimethylphthalate
Concen: 47.69 ng
RT: 10.38 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

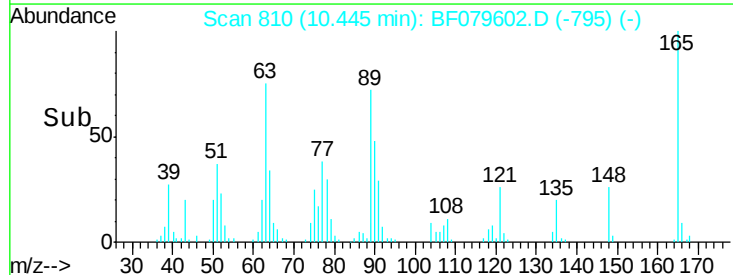
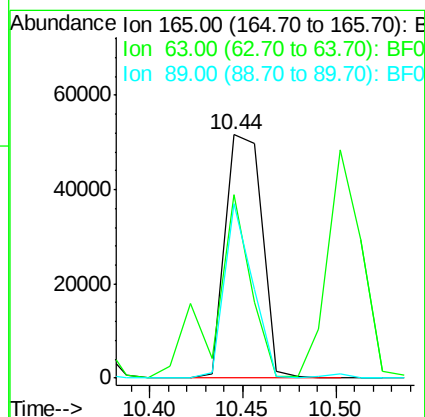
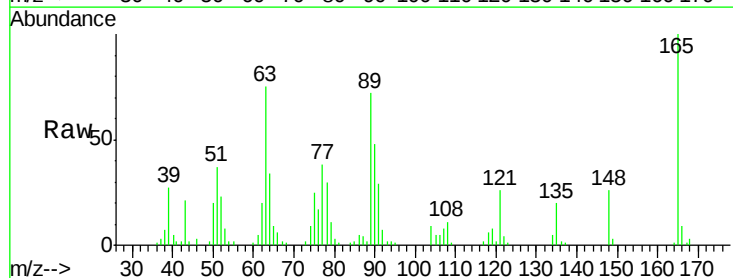
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

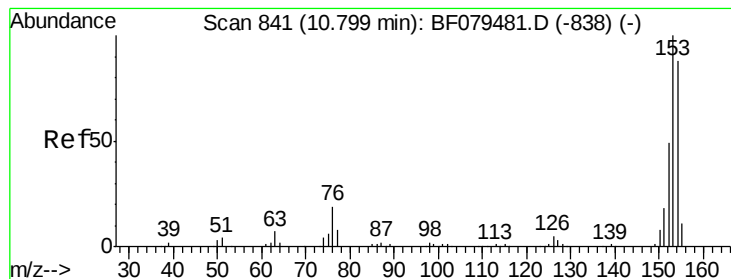
Tgt Ion:163 Resp: 429537
Ion Ratio Lower Upper
163 100
194 3.3 2.4 3.6
164 10.5 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 39.63 ng
RT: 10.44 min Scan# 810
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:165 Resp: 71296
Ion Ratio Lower Upper
165 100
63 75.1 27.7 41.5#
89 71.9 33.7 50.5#





#51

Acenaphthene

Concen: 39.47 ng

RT: 10.72 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

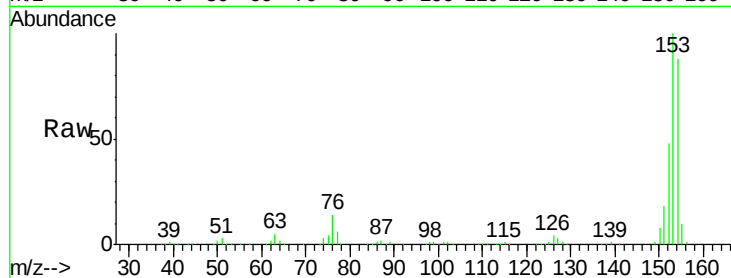
Tgt Ion:154 Resp: 282497

Ion Ratio Lower Upper

154 100

153 113.6 91.1 136.7

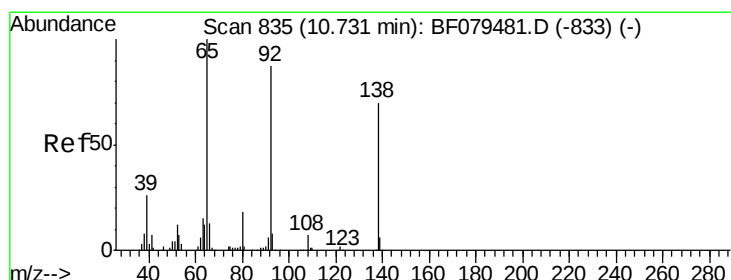
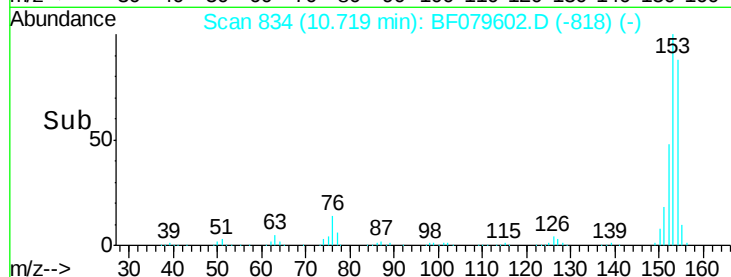
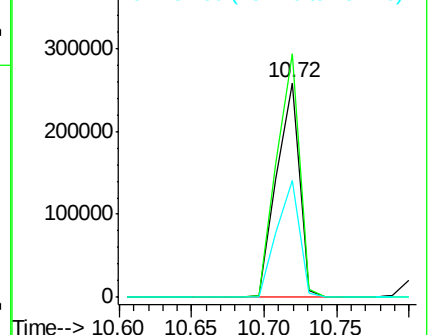
152 54.2 44.6 66.8



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: 32.02 ng

RT: 10.65 min Scan# 828

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

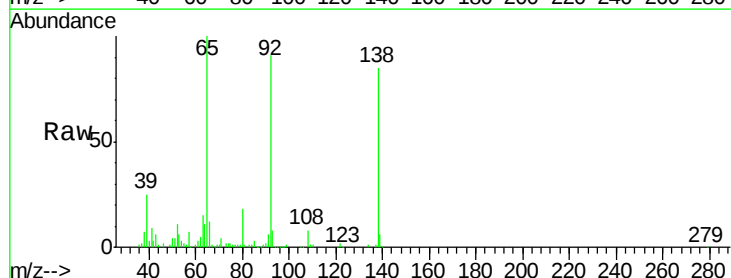
Tgt Ion:138 Resp: 74949

Ion Ratio Lower Upper

138 100

108 9.2 8.0 12.0

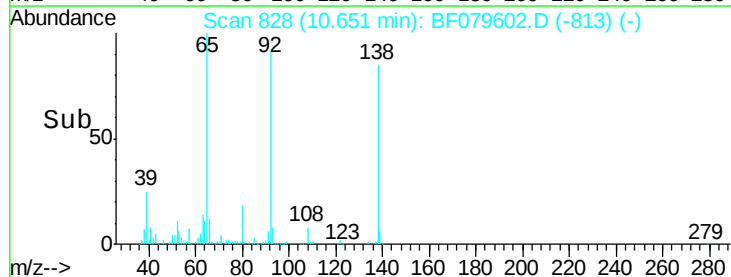
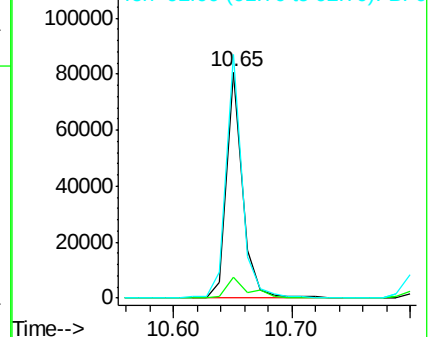
92 107.7 99.9 149.9

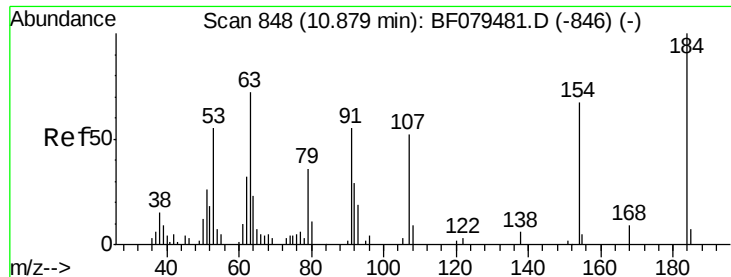


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

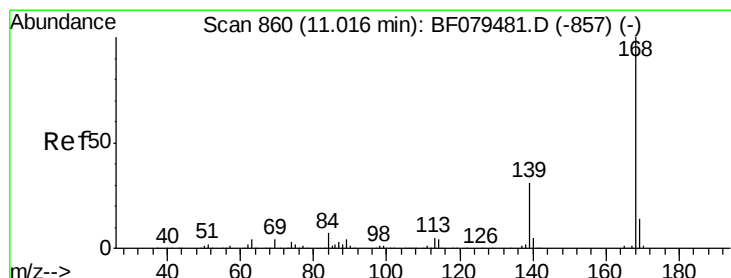
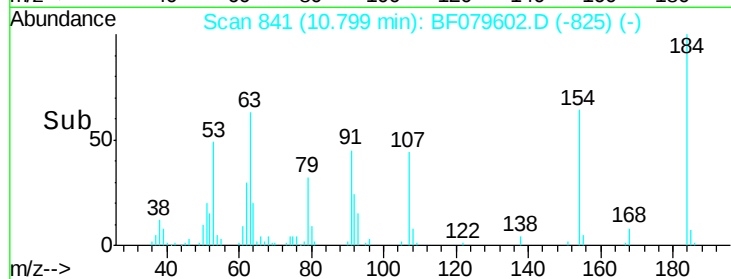
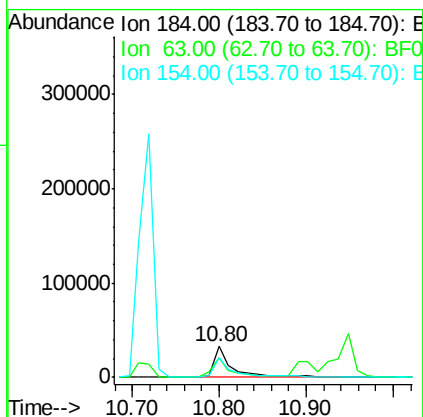
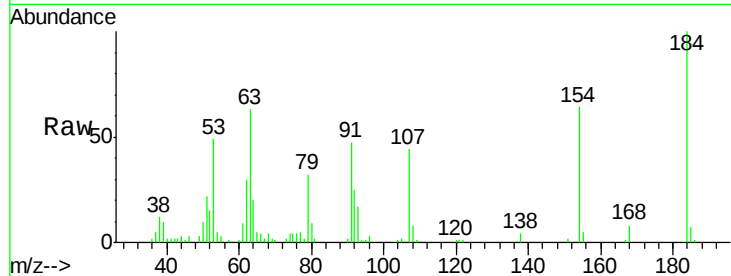




#53
 2,4-Dinitrophenol
 Concen: 68.68 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

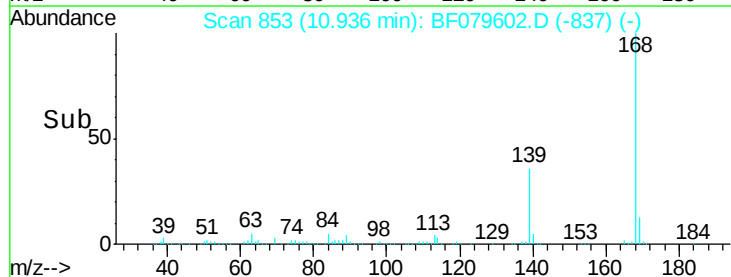
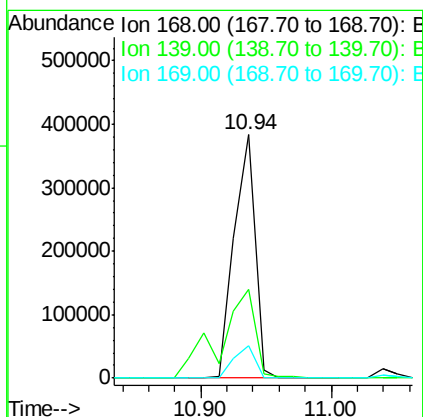
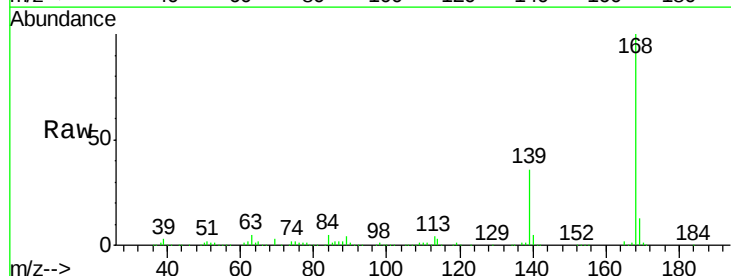
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

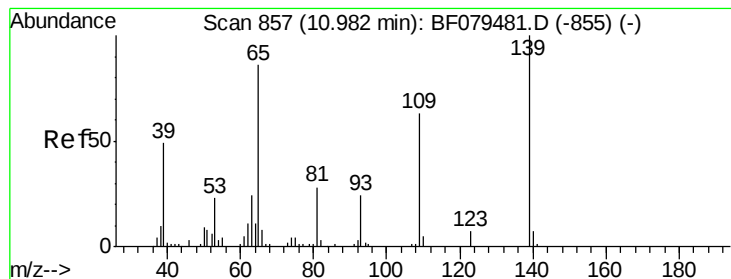
Tgt Ion:184 Resp: 48198
 Ion Ratio Lower Upper
 184 100
 63 63.1 57.7 86.5
 154 64.3 53.4 80.2



#54
 Dibenzofuran
 Concen: 40.40 ng
 RT: 10.94 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:168 Resp: 426418
 Ion Ratio Lower Upper
 168 100
 139 36.4 32.9 49.3
 169 13.1 11.1 16.7





#55

4-Nitrophenol

Concen: 205.43 ng

RT: 10.94 min Scan# 853

Delta R.T. 0.01 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

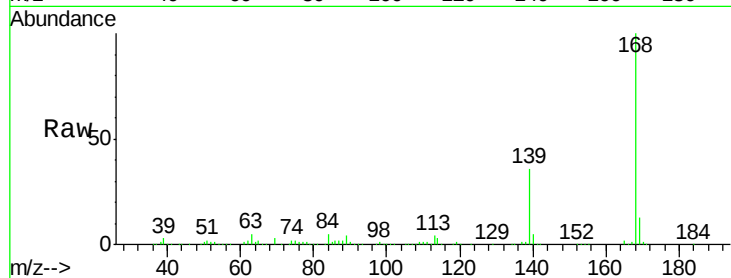
Tgt Ion:139 Resp: 266605

Ion Ratio Lower Upper

139 100

109 3.1 42.8 82.8#

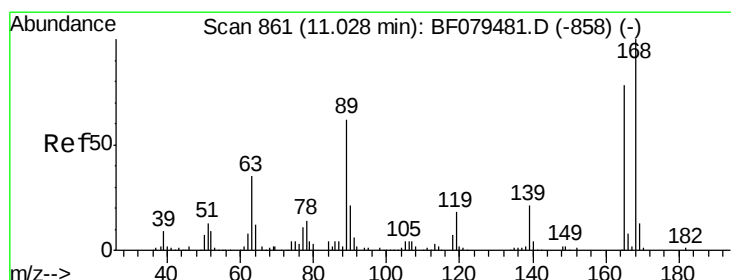
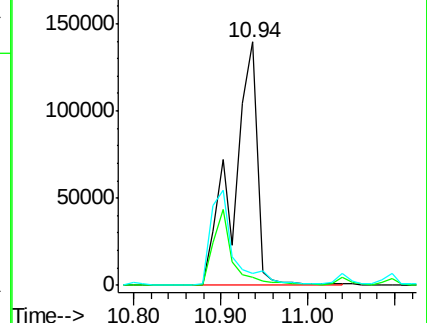
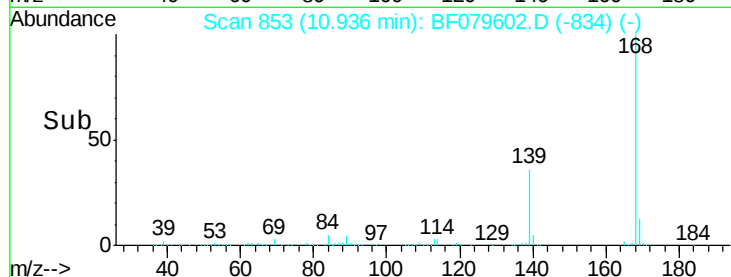
65 4.8 66.3 106.3#



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: 40.12 ng

RT: 10.95 min Scan# 854

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Tgt Ion:165 Resp: 96801

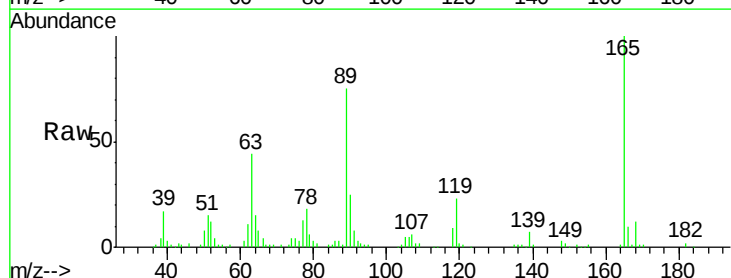
Ion Ratio Lower Upper

165 100

63 44.2 39.5 59.3

89 74.7 64.2 96.4

182 2.1 1.5 2.3

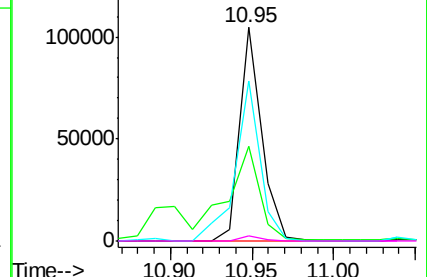
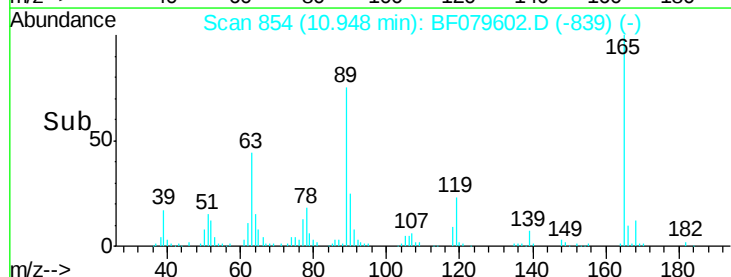


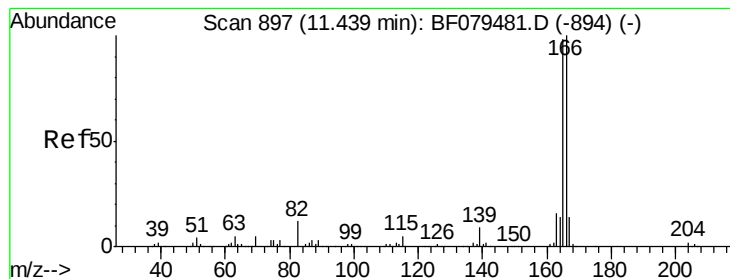
Abundance Ion 165.00 (164.70 to 165.70): E

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: 40.07 ng

RT: 11.36 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

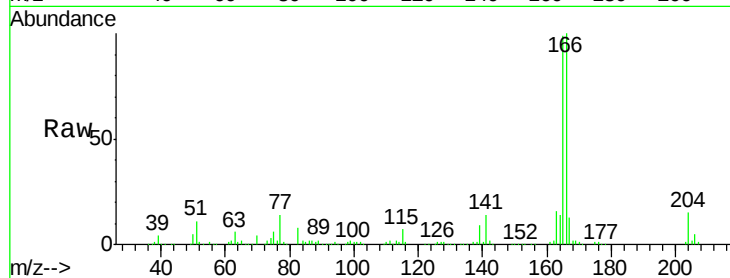
Tgt Ion:166 Resp: 348636

Ion Ratio Lower Upper

166 100

165 99.2 78.6 117.8

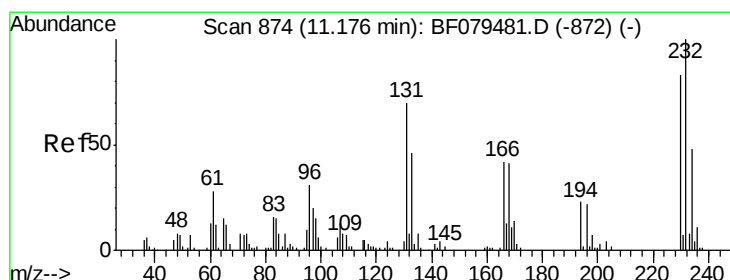
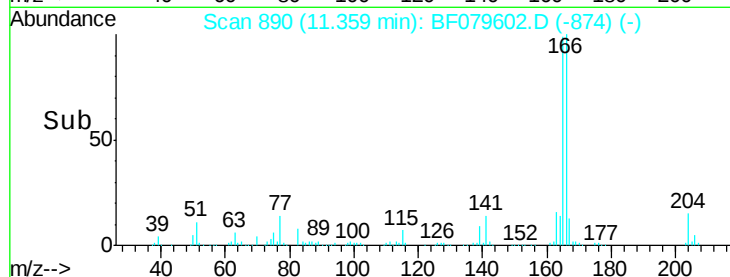
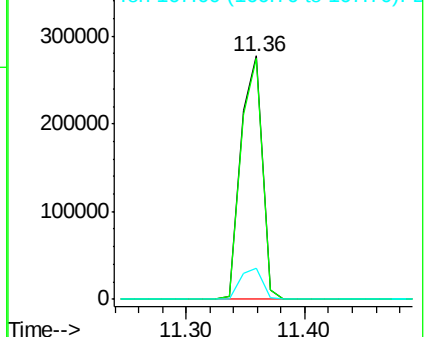
167 12.9 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 42.74 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Tgt Ion:232 Resp: 73908

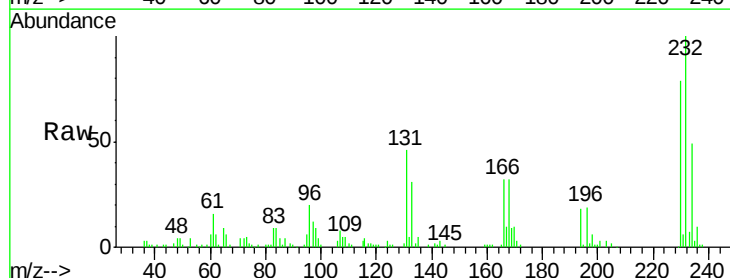
Ion Ratio Lower Upper

232 100

131 50.6 0.0 0.0#

130 2.4 0.0 0.0#

166 32.7 0.0 0.0#

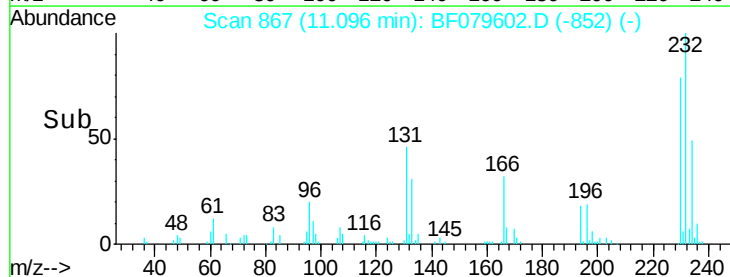
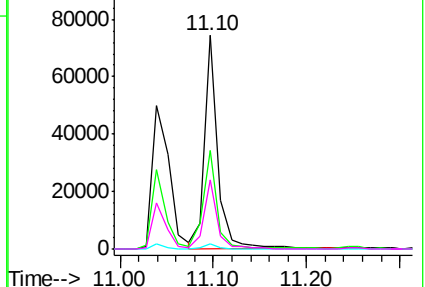


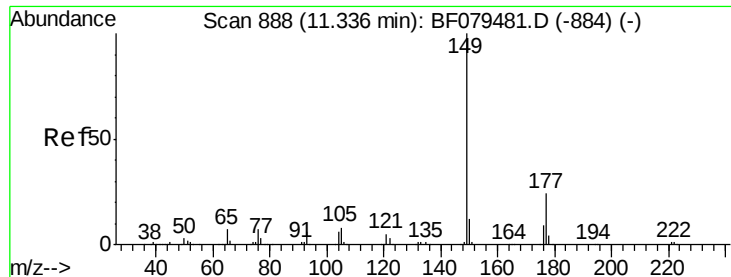
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

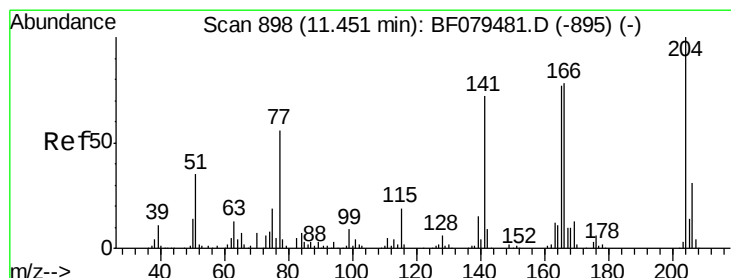
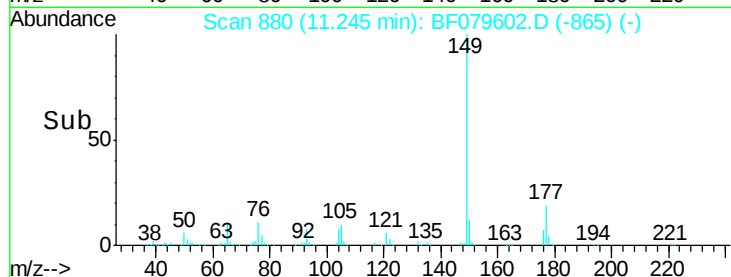
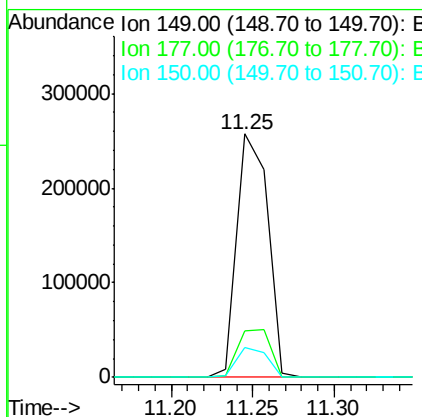
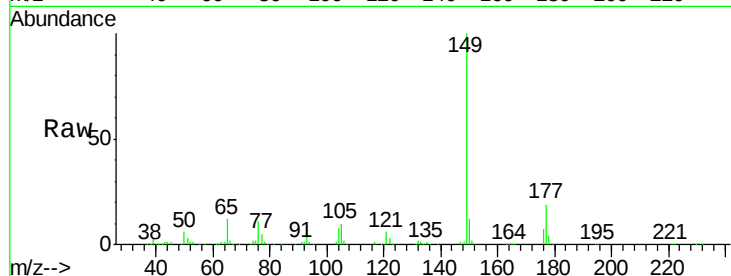




#59
Diethylphthalate
Concen: 38.08 ng
RT: 11.25 min Scan# 880
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

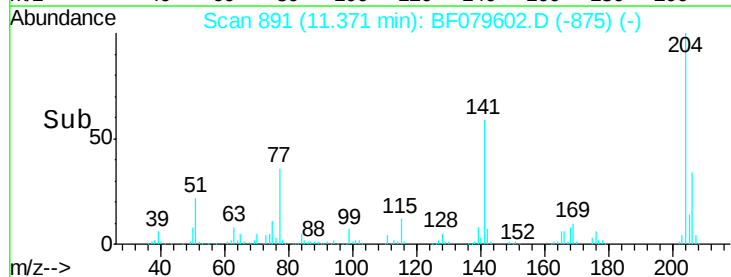
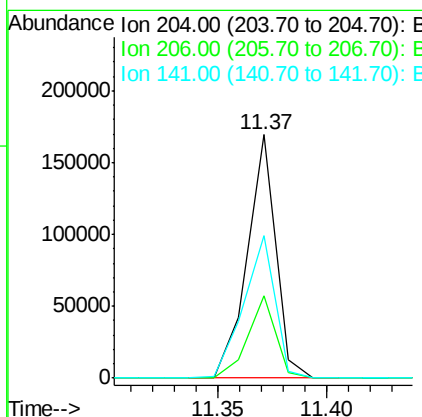
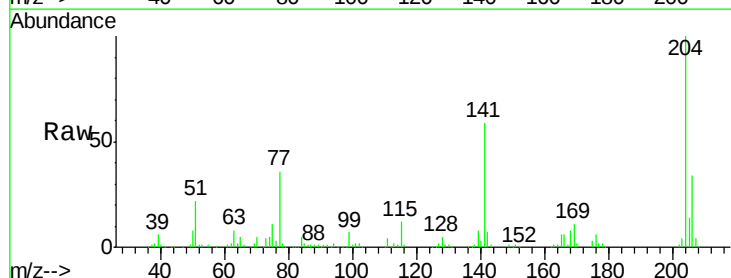
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

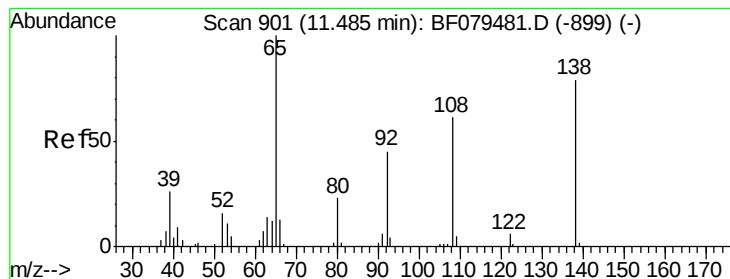
Tgt Ion:149 Resp: 335754
Ion Ratio Lower Upper
149 100
177 19.2 18.9 28.3
150 12.3 9.8 14.6



#60
4-Chlorophenyl-phenylether
Concen: 41.00 ng
RT: 11.37 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:204 Resp: 154127
Ion Ratio Lower Upper
204 100
206 34.0 25.0 37.4
141 58.7 57.4 86.2





#61

4-Nitroaniline

Concen: 34.93 ng

RT: 11.41 min Scan# 894

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

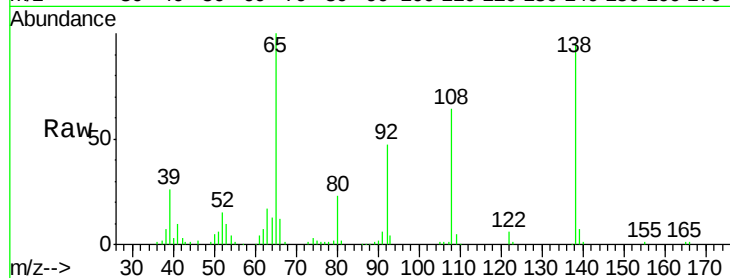
Tgt Ion:138 Resp: 76153

Ion Ratio Lower Upper

138 100

92 49.7 37.2 77.2

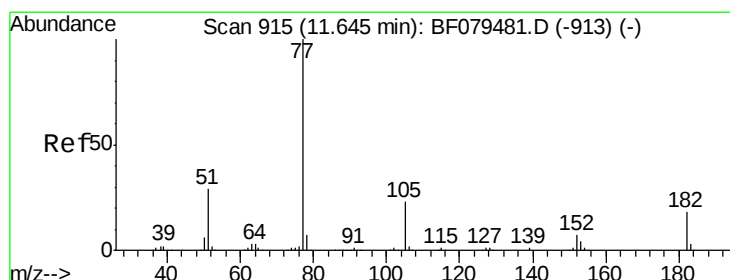
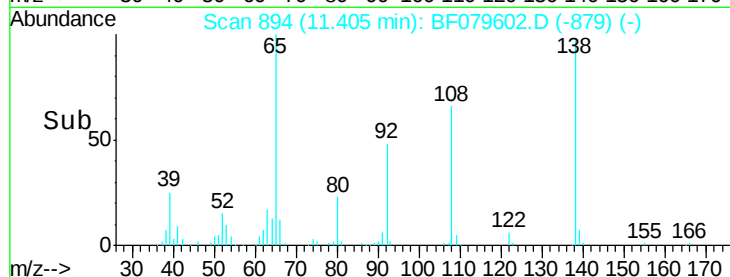
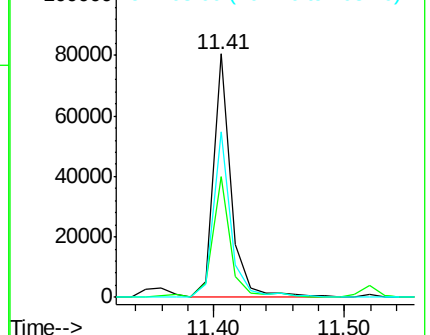
108 67.7 57.0 97.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 42.06 ng

RT: 11.57 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Tgt Ion: 77 Resp: 360639

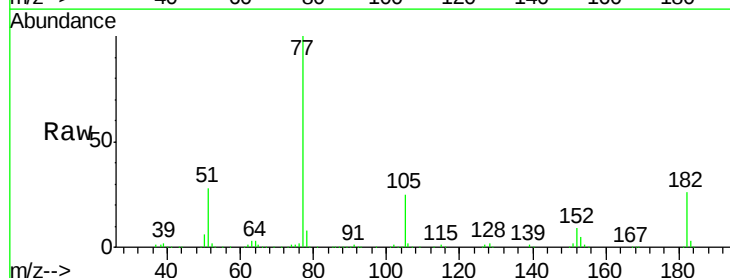
Ion Ratio Lower Upper

77 100

182 25.8 0.0 37.7

105 24.9 2.7 42.7

51 27.7 8.9 48.9

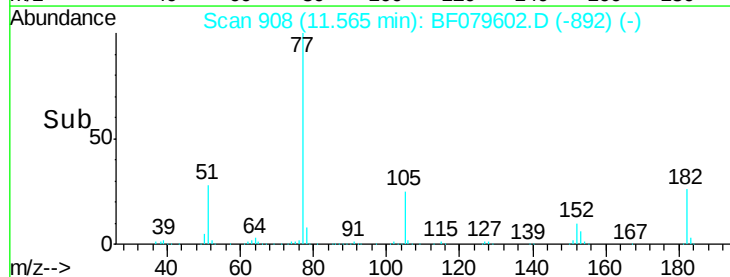
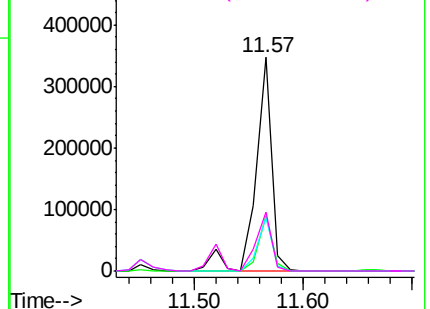


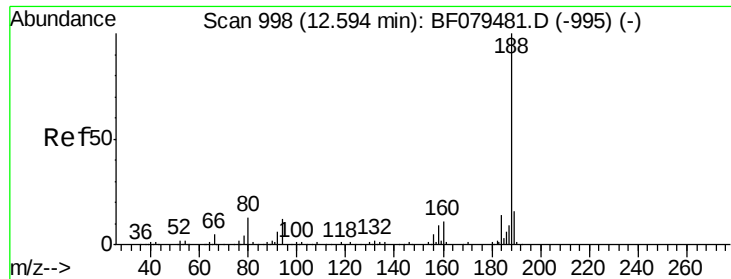
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

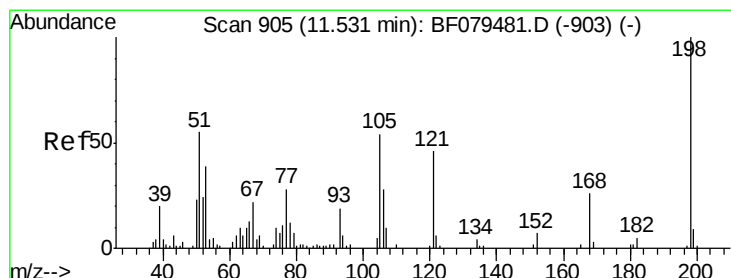
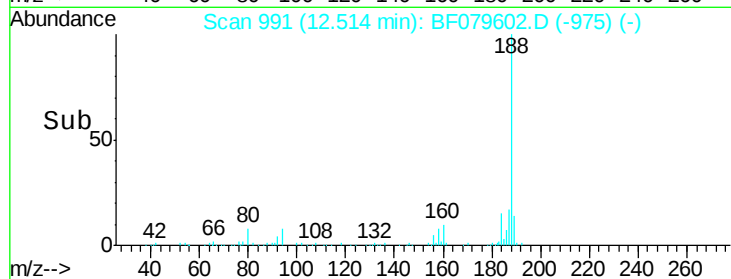
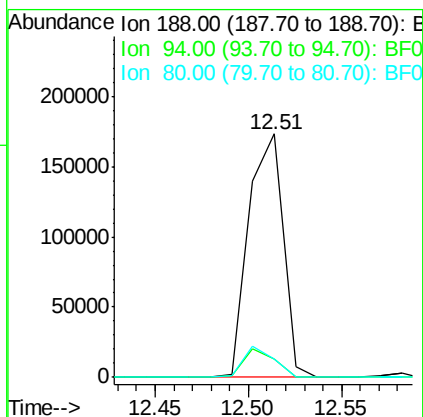
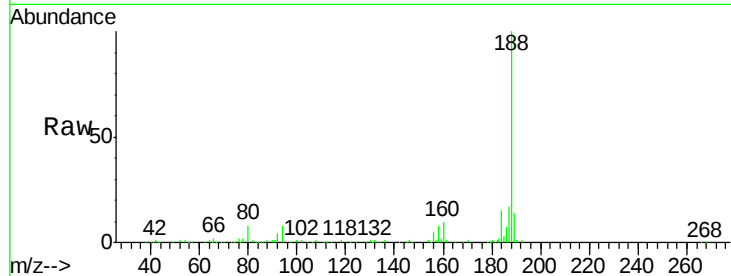




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.51 min Scan# 991
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

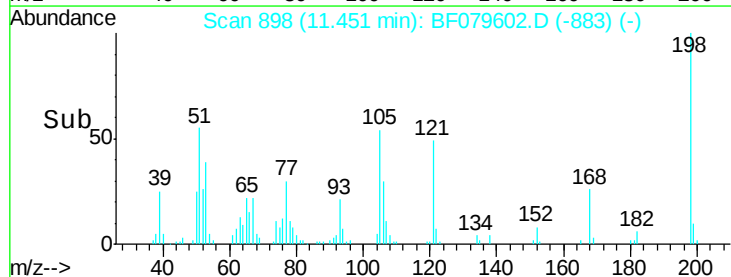
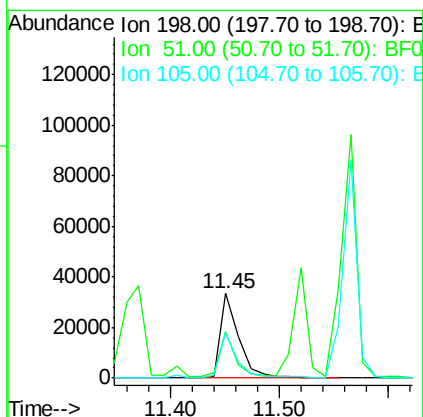
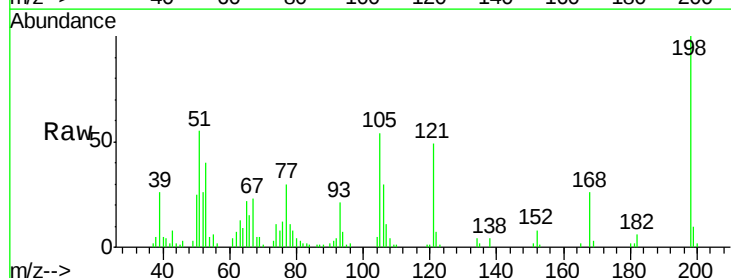
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

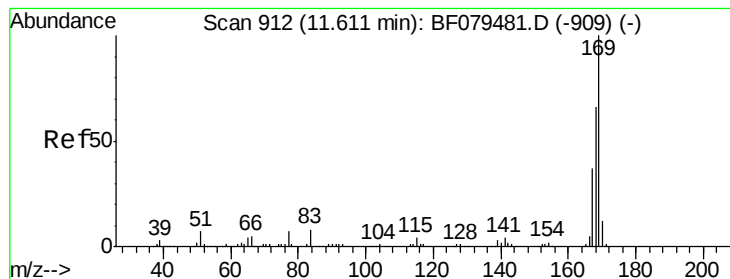
Tgt Ion:188 Resp: 221828
Ion Ratio Lower Upper
188 100
94 7.7 9.8 14.6#
80 7.6 10.5 15.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 36.96 ng
RT: 11.45 min Scan# 898
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:198 Resp: 39335
Ion Ratio Lower Upper
198 100
51 54.6 36.0 76.0
105 53.7 34.1 74.1





#65

n-Nitrosodiphenylamine

Concen: 38.98 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

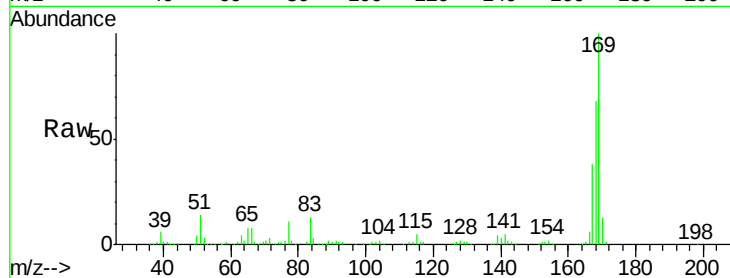
Tgt Ion:169 Resp: 287190

Ion Ratio Lower Upper

169 100

168 67.8 53.1 79.7

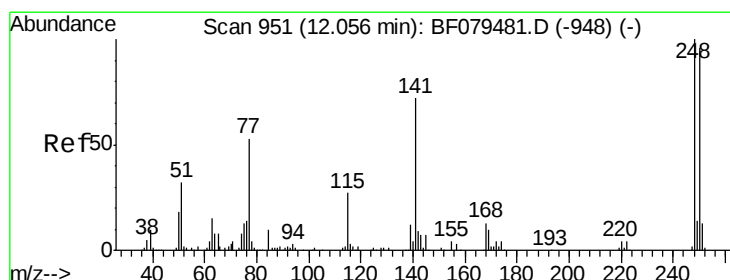
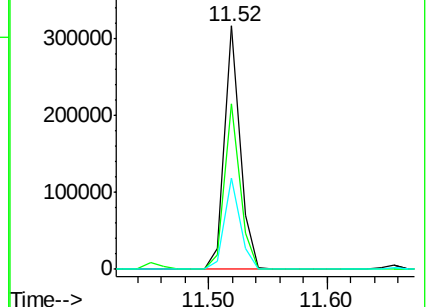
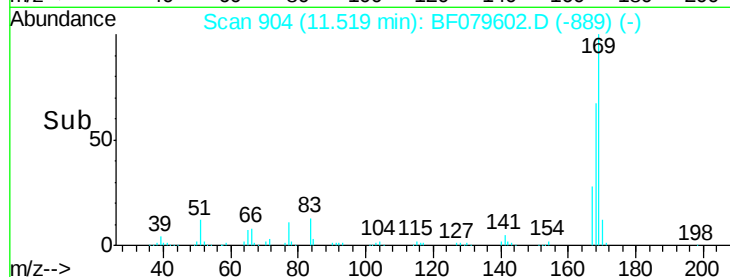
167 37.6 29.9 44.9



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: 41.74 ng

RT: 11.98 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

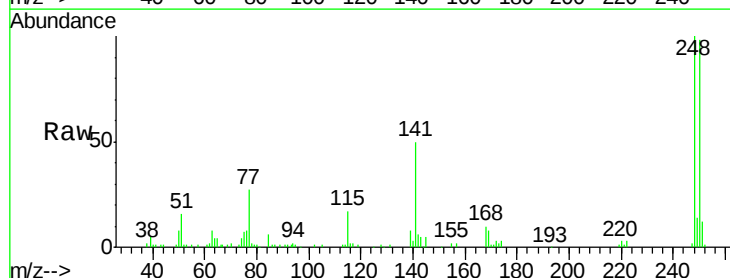
Tgt Ion:248 Resp: 95351

Ion Ratio Lower Upper

248 100

250 97.6 76.8 115.2

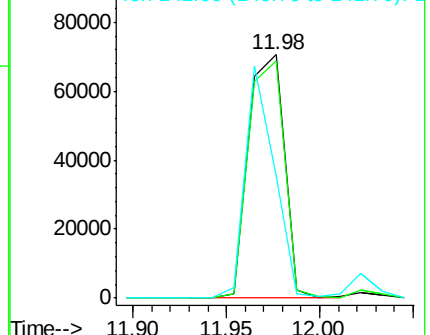
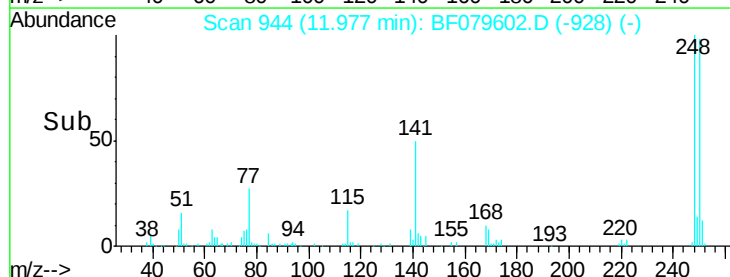
141 49.9 57.7 86.5#

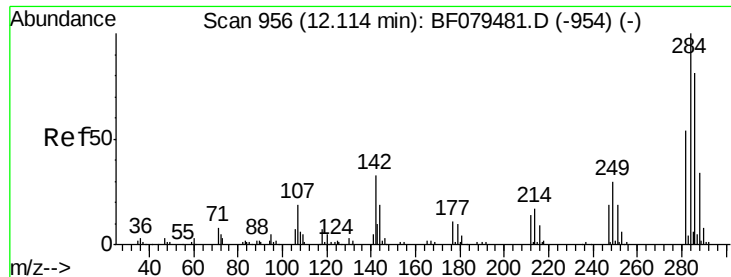


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

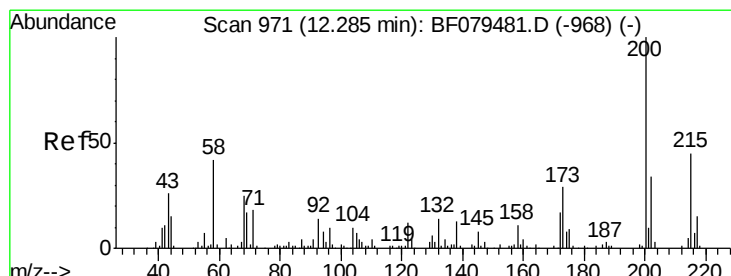
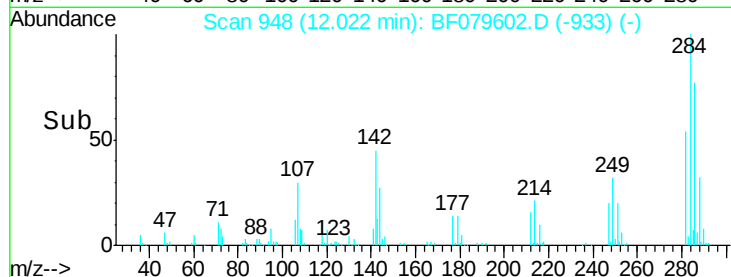
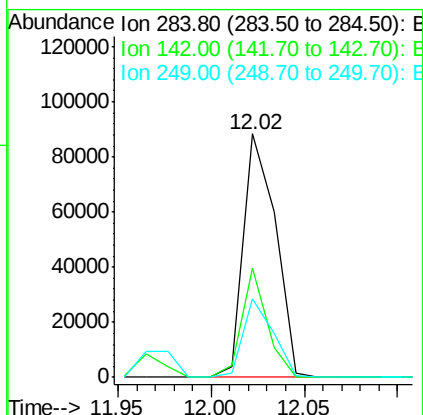
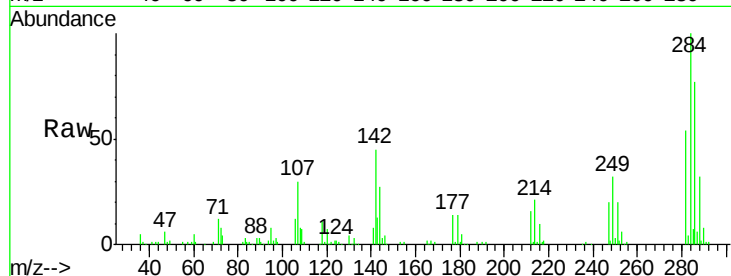




#67
Hexachlorobenzene
Concen: 40.58 ng
RT: 12.02 min Scan# 948
Delta R.T. -0.03 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

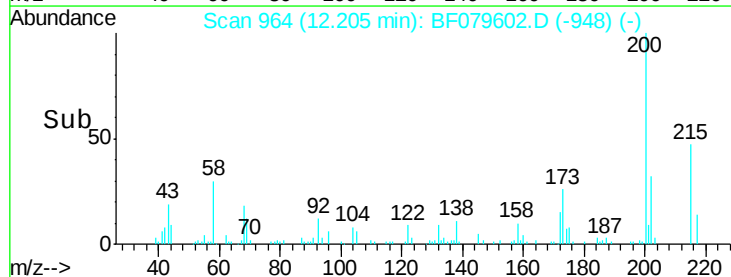
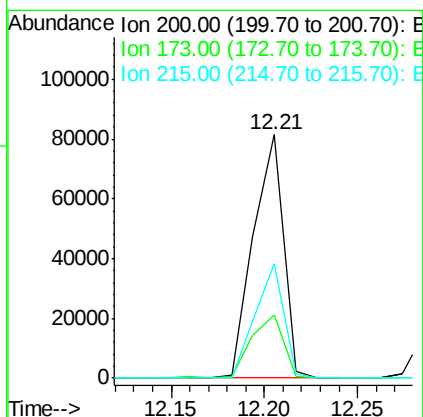
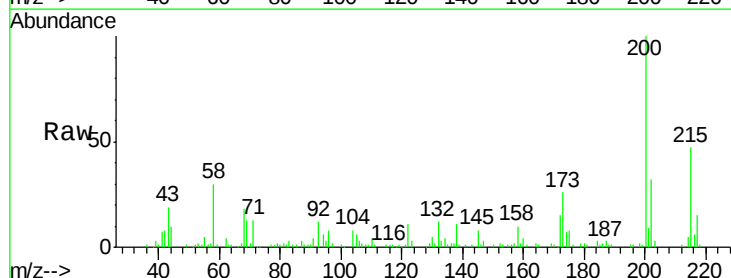
Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

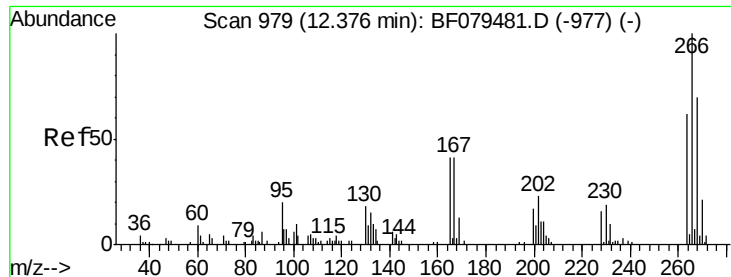
Tgt Ion:284 Resp: 105697
Ion Ratio Lower Upper
284 100
142 44.9 26.2 39.2#
249 32.0 24.3 36.5



#68
Atrazine
Concen: 45.59 ng
RT: 12.21 min Scan# 964
Delta R.T. -0.02 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:200 Resp: 90734
Ion Ratio Lower Upper
200 100
173 25.8 9.4 49.4
215 46.9 25.3 65.3

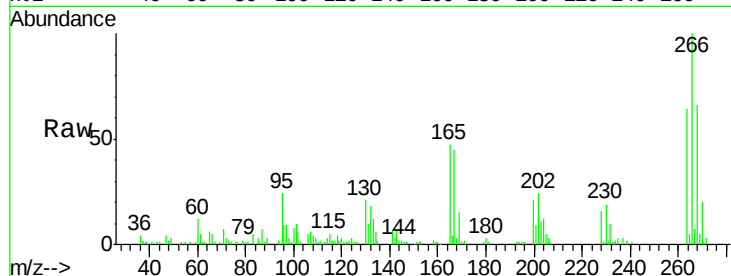




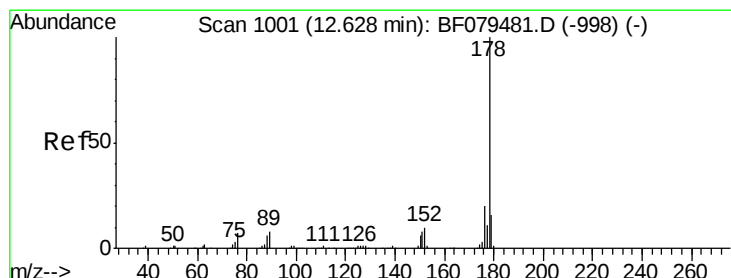
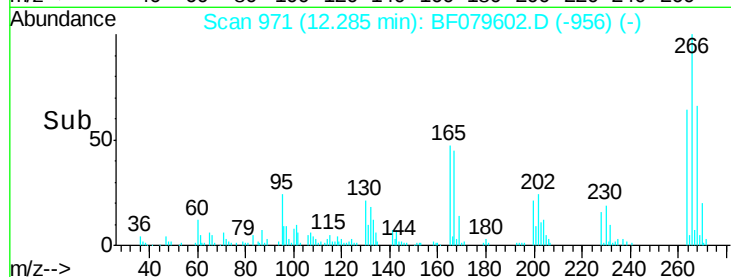
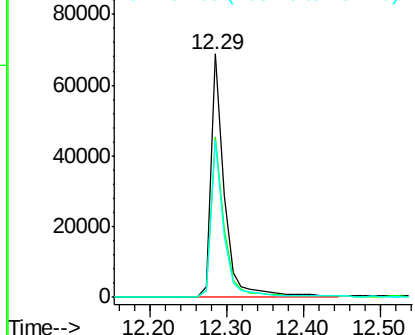
#69
 Pentachlorophenol
 Concen: 84.21 ng
 RT: 12.29 min Scan# 971
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:266 Resp: 84011
 Ion Ratio Lower Upper
 266 100
 268 66.0 56.1 84.1
 264 64.1 50.0 75.0

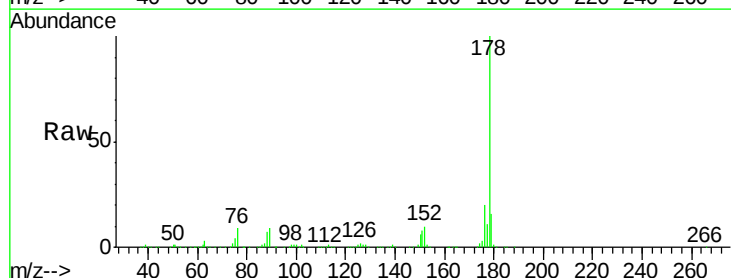


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

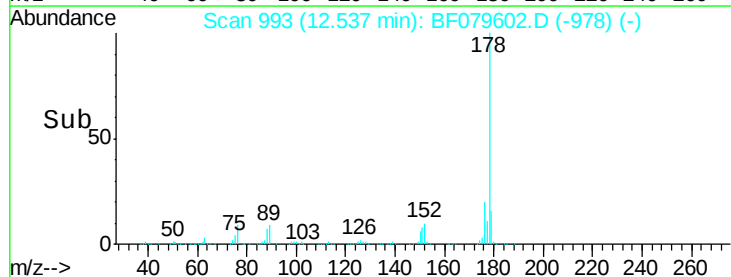
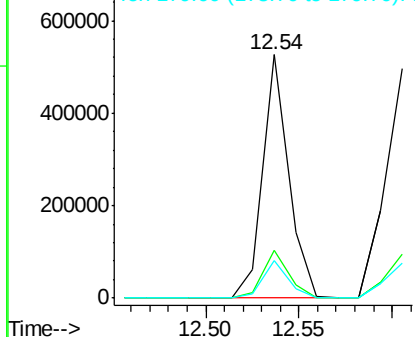


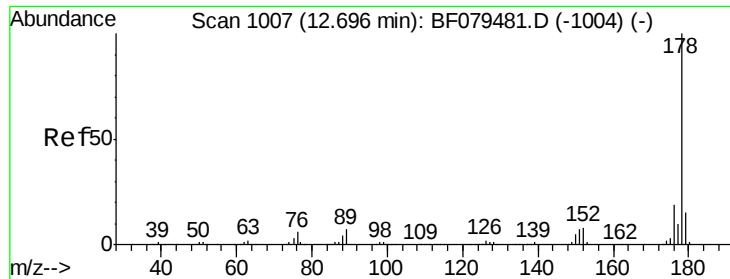
#70
 Phenanthrene
 Concen: 41.44 ng
 RT: 12.54 min Scan# 993
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:178 Resp: 504292
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 15.5 12.4 18.6



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

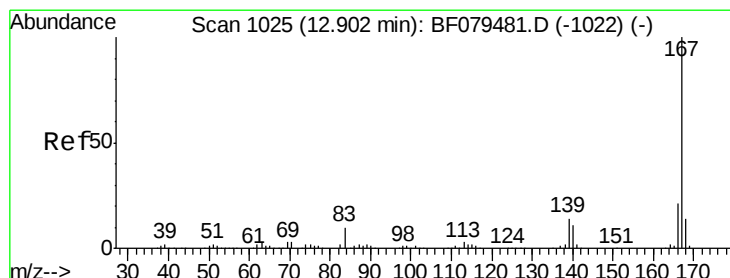
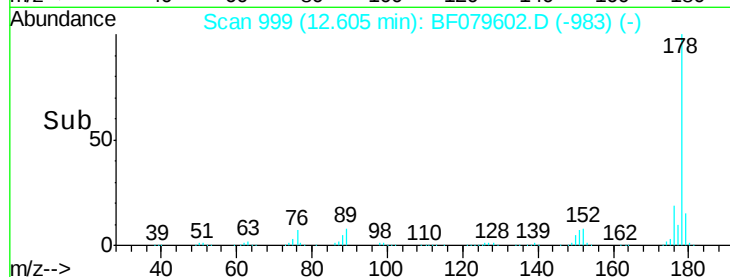
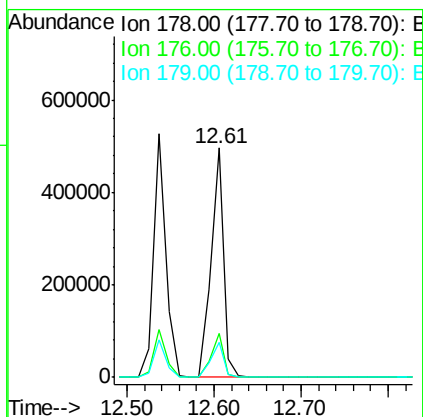
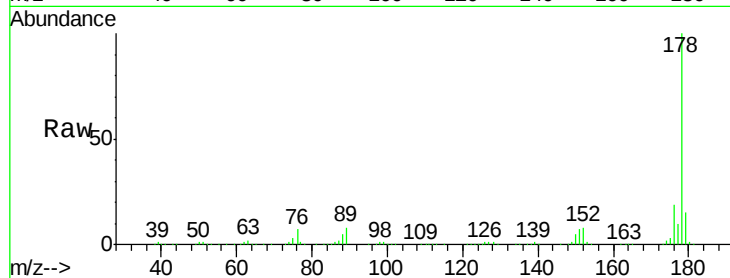




#71
 Anthracene
 Concen: 40.80 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

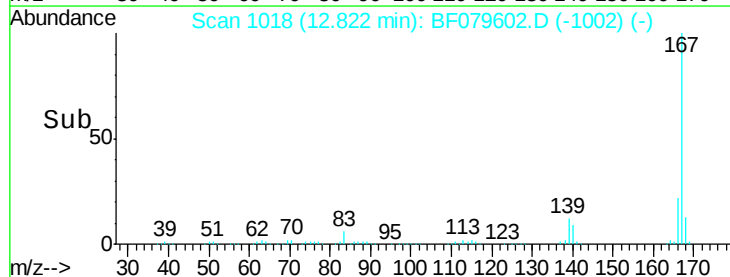
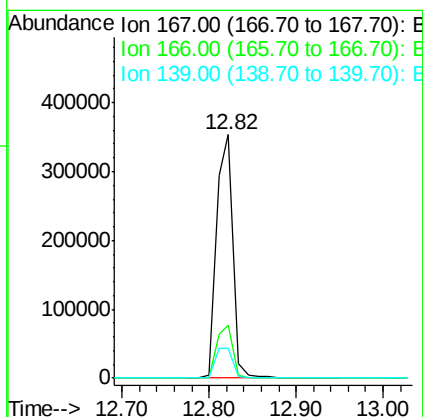
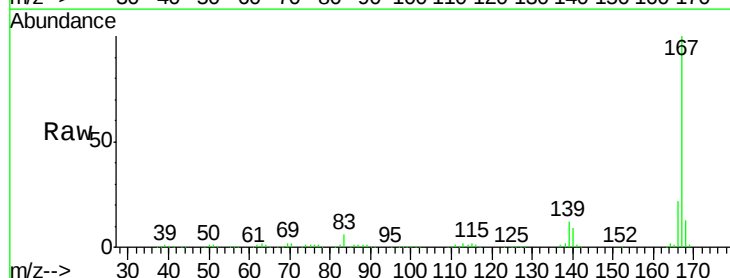
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

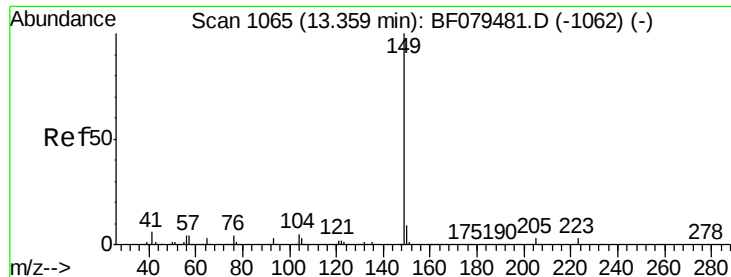
Tgt Ion:178 Resp: 504111
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.3 22.9
 179 15.5 12.2 18.4



#72
 Carbazole
 Concen: 39.55 ng
 RT: 12.82 min Scan# 1018
 Delta R.T. -0.02 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:167 Resp: 470395
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.4
 139 12.1 11.2 16.8





#73

Di-n-butylphthalate

Concen: 43.69 ng

RT: 13.28 min Scan# 1058

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

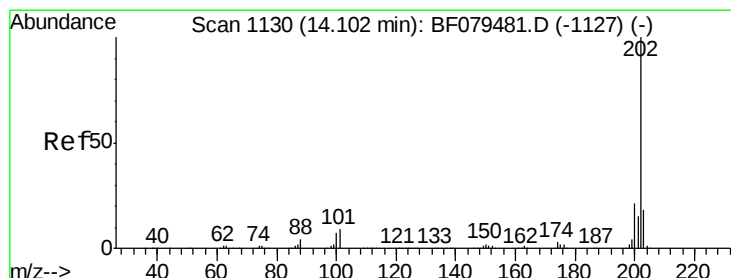
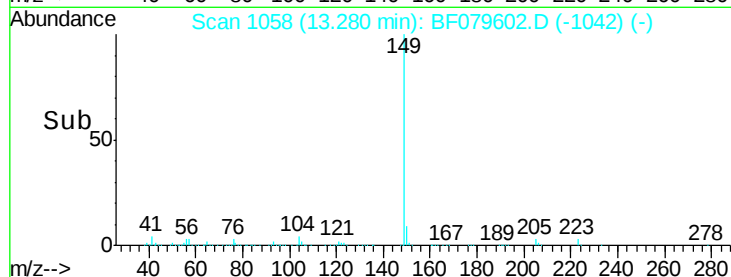
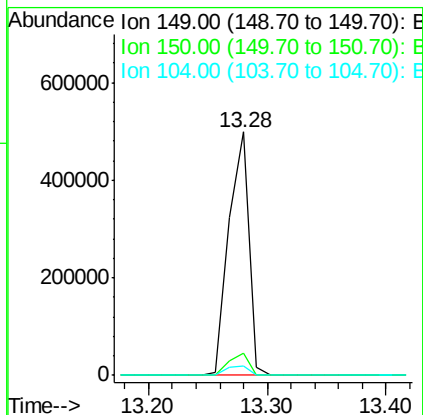
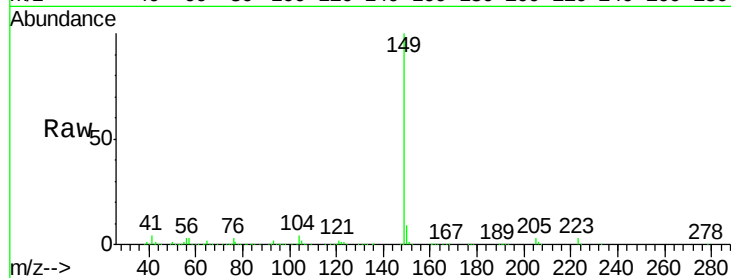
Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

Tgt Ion:	149	Resp:	581833
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.5	11.3
104	3.9	3.6	5.4



#74

Fluoranthene

Concen: 44.20 ng

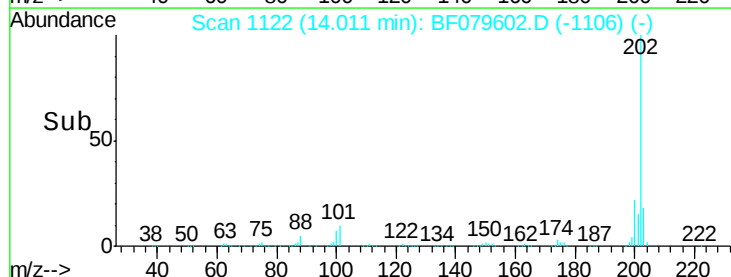
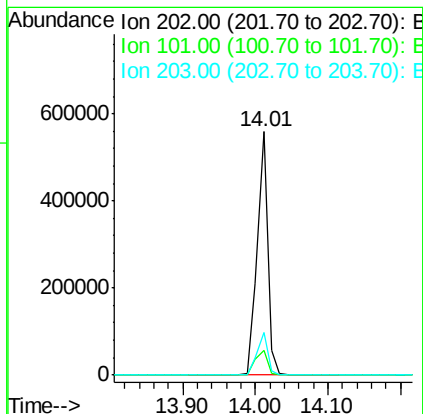
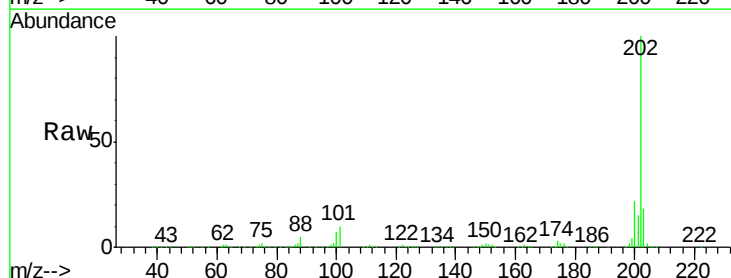
RT: 14.01 min Scan# 1122

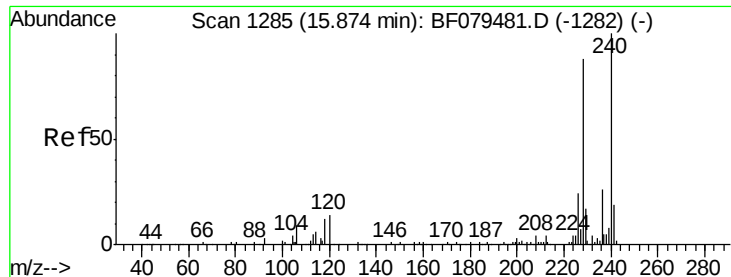
Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Tgt Ion:	202	Resp:	576780
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	29.3
203	17.7	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.79 min Scan# 1278

Delta R.T. -0.05 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

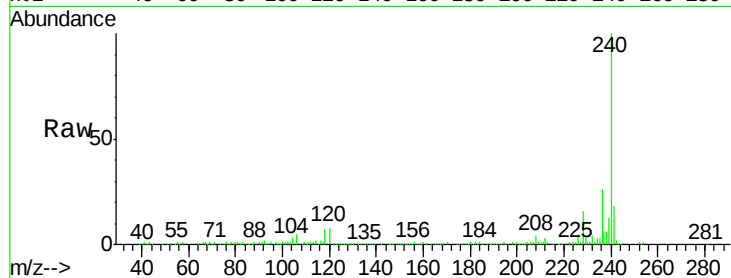
Tgt Ion:240 Resp: 226385

Ion Ratio Lower Upper

240 100

120 8.1 10.8 16.2#

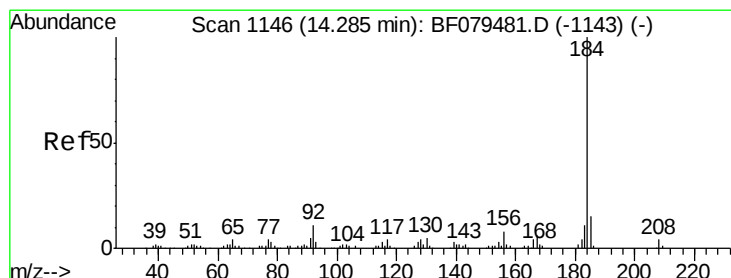
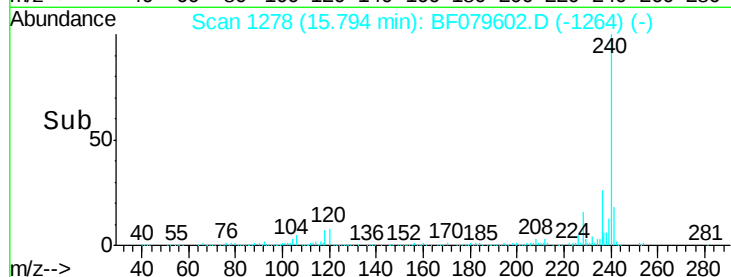
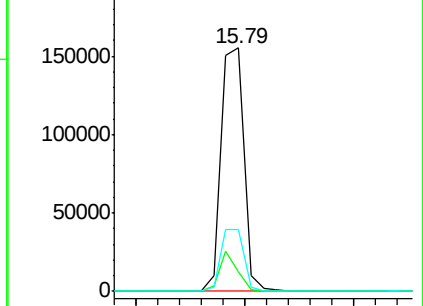
236 25.7 21.0 31.6



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: 9.96 ng

RT: 14.21 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

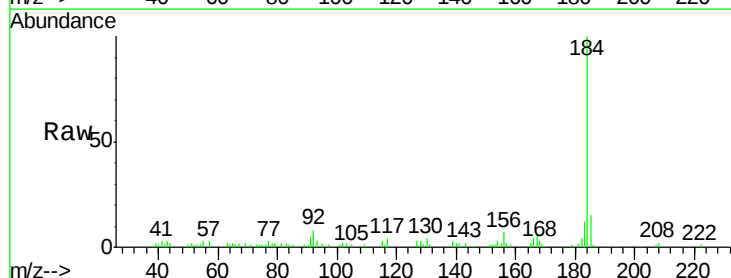
Tgt Ion:184 Resp: 48296

Ion Ratio Lower Upper

184 100

185 14.8 12.1 18.1

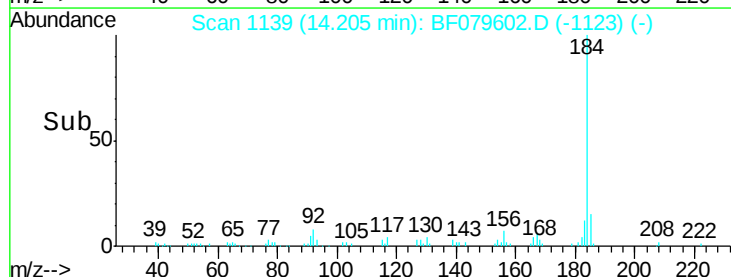
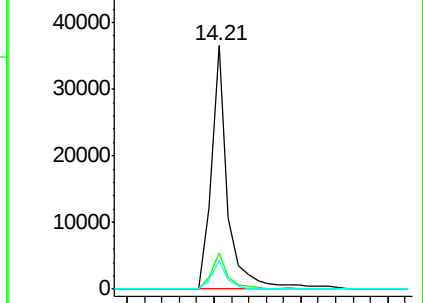
183 11.6 8.6 12.8

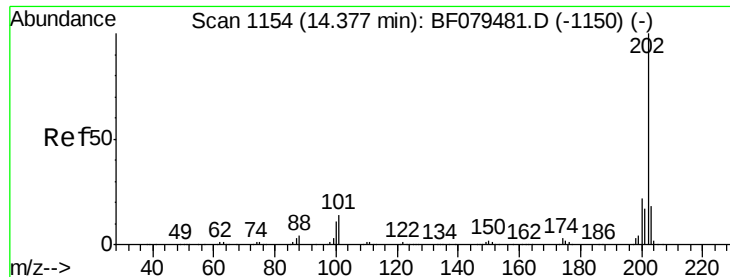


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

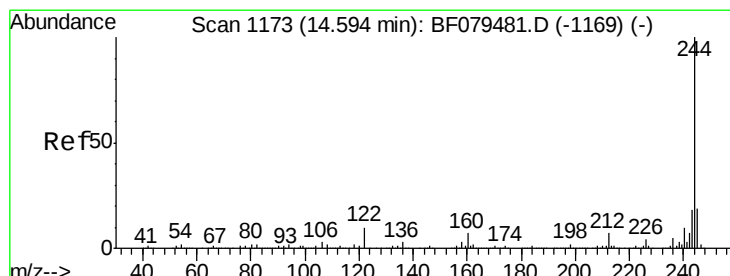
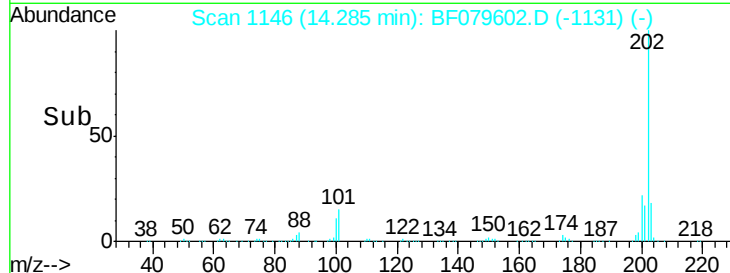
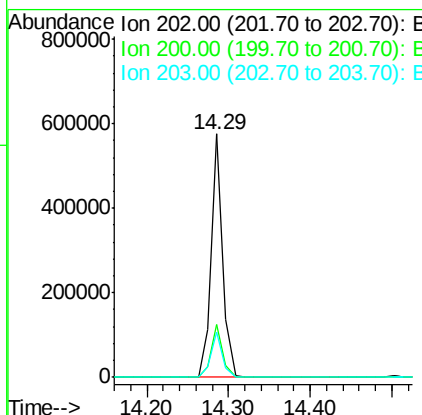
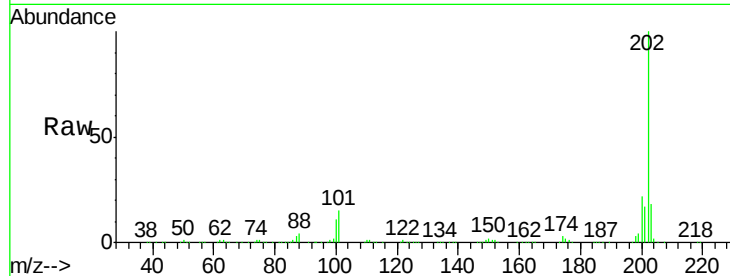




#77
 Pyrene
 Concen: 41.08 ng
 RT: 14.29 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

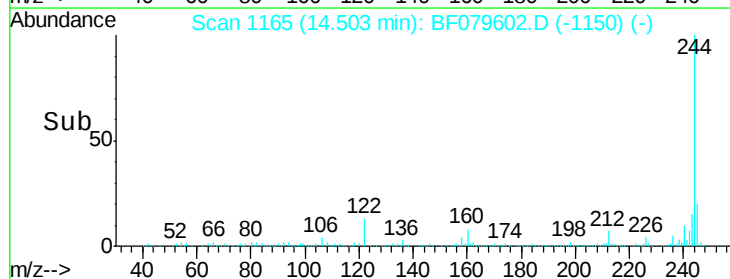
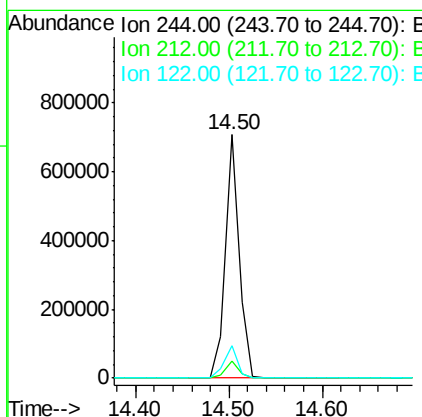
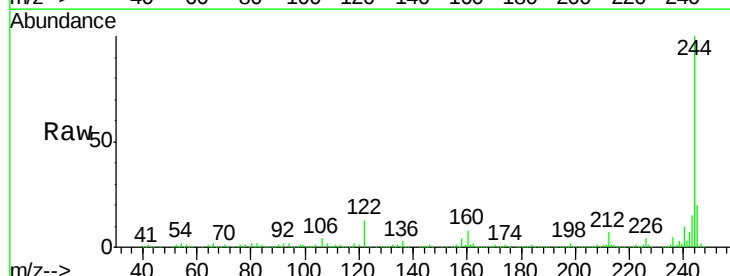
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

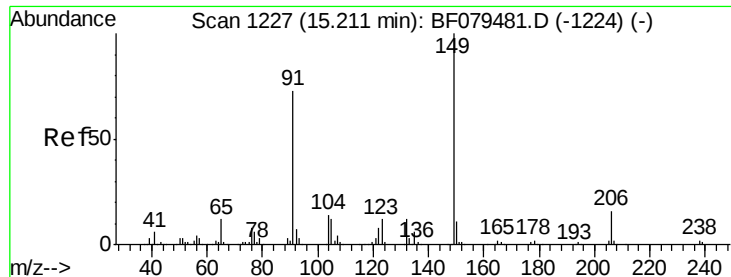
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.5	26.3
203	18.4	14.4	21.6



#78
 Terphenyl-d14
 Concen: 75.27 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.03 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.2	7.8
122	13.2	8.0	12.0#





#79

Butylbenzylphthalate

Concen: 41.66 ng

RT: 15.13 min Scan# 1220

Delta R.T. -0.03 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

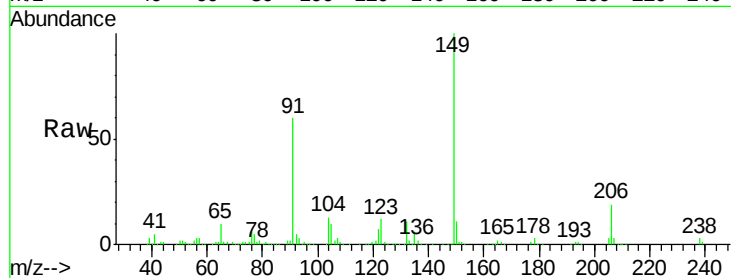
Tgt Ion:149 Resp: 262795

Ion Ratio Lower Upper

149 100

91 60.4 58.1 87.1

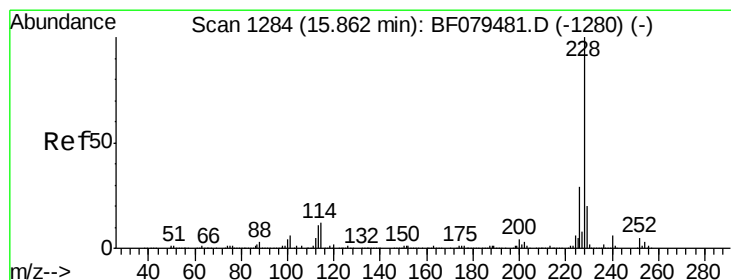
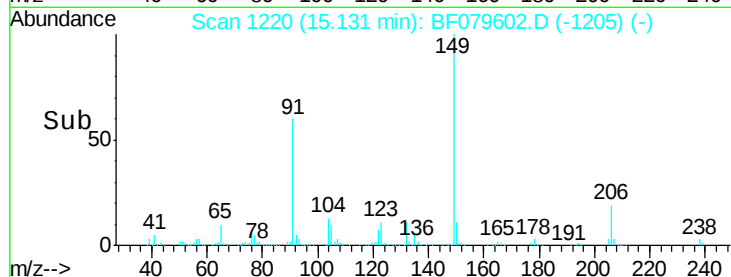
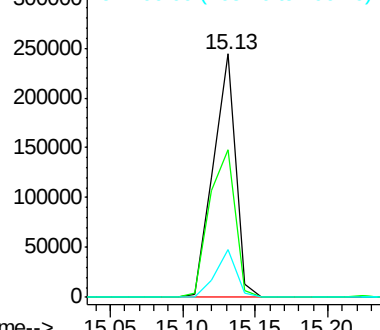
206 19.5 13.1 19.7



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: 40.09 ng

RT: 15.77 min Scan# 1276

Delta R.T. -0.06 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

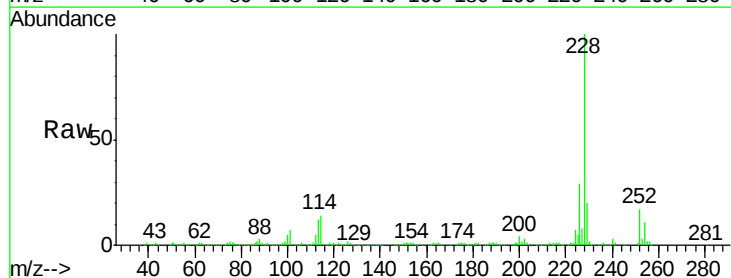
Tgt Ion:228 Resp: 522093

Ion Ratio Lower Upper

228 100

226 28.8 22.8 34.2

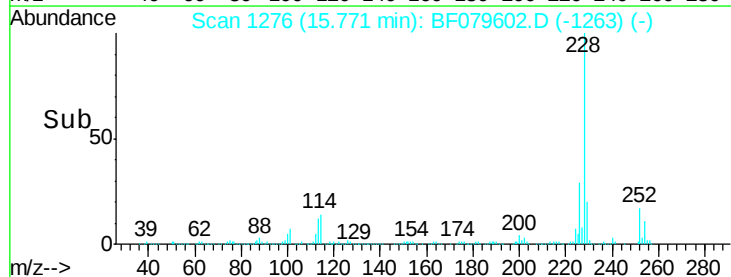
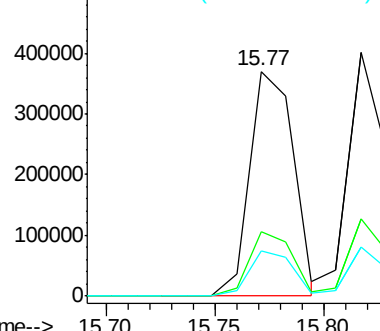
229 20.0 15.9 23.9

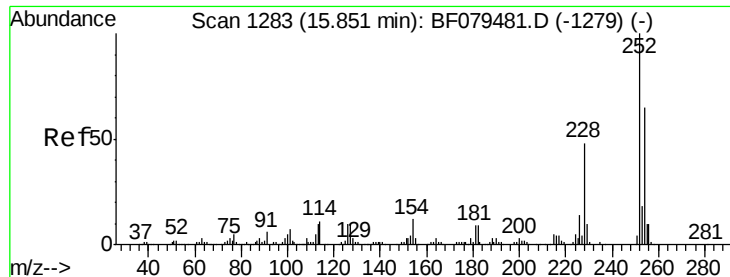


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

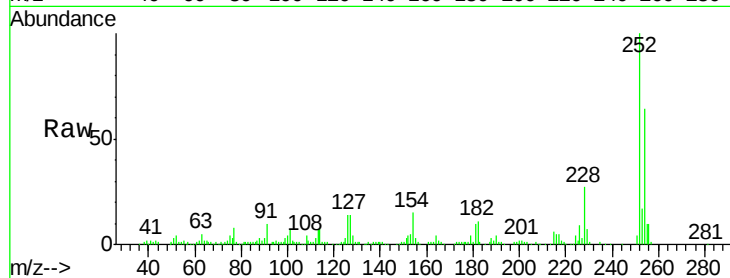




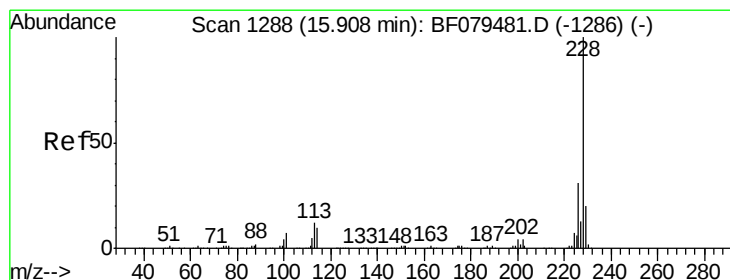
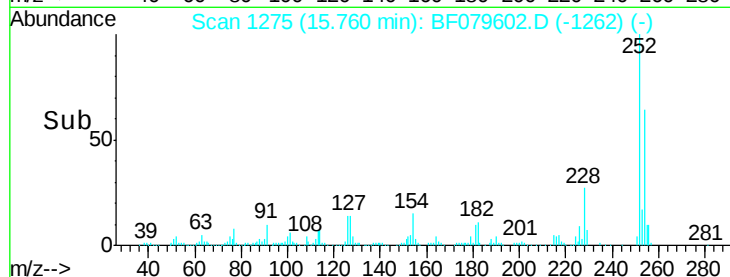
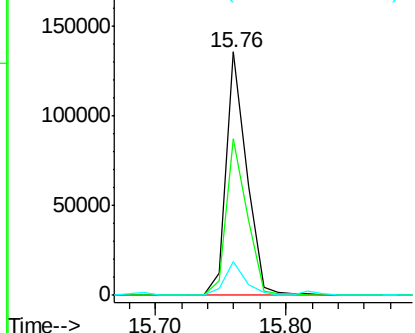
#81
 3,3'-Dichlorobenzidine
 Concen: 31.29 ng
 RT: 15.76 min Scan# 1275
 Delta R.T. -0.06 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

Tgt Ion:252 Resp: 149241
 Ion Ratio Lower Upper
 252 100
 254 64.5 52.1 78.1
 126 14.0 8.2 12.2#

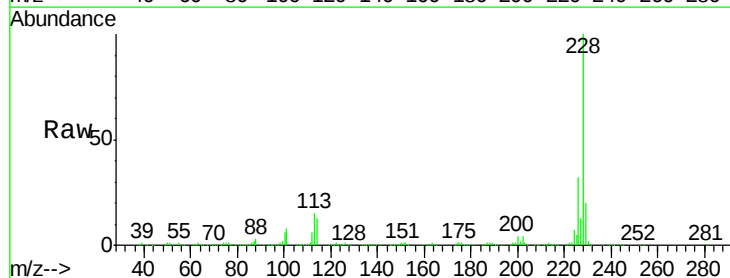


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

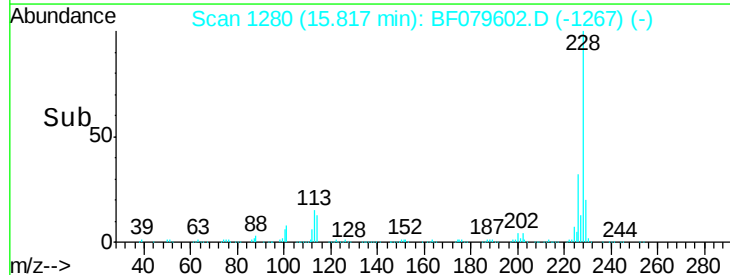
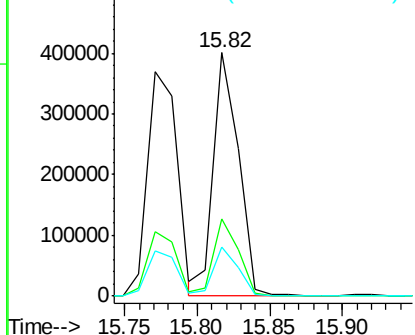


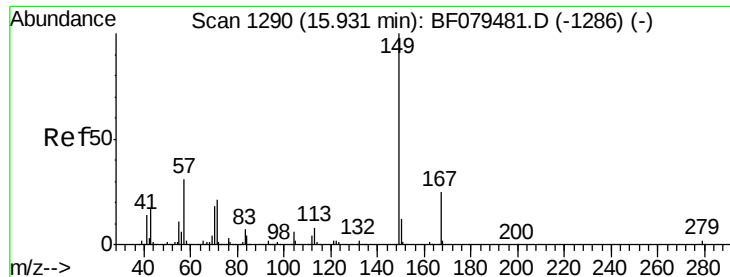
#82
 Chrysene
 Concen: 38.91 ng
 RT: 15.82 min Scan# 1280
 Delta R.T. -0.06 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion:228 Resp: 481697
 Ion Ratio Lower Upper
 228 100
 226 31.6 25.0 37.4
 229 19.9 15.9 23.9



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 42.83 ng

RT: 15.85 min Scan# 1283

Delta R.T. -0.06 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

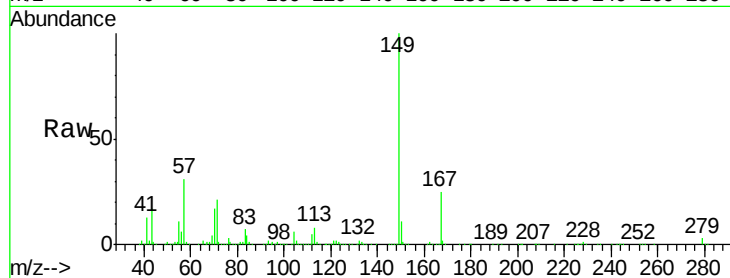
Tgt Ion:149 Resp: 387063

Ion Ratio Lower Upper

149 100

167 25.2 20.2 30.4

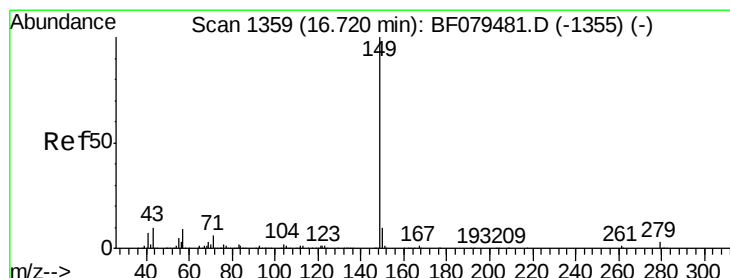
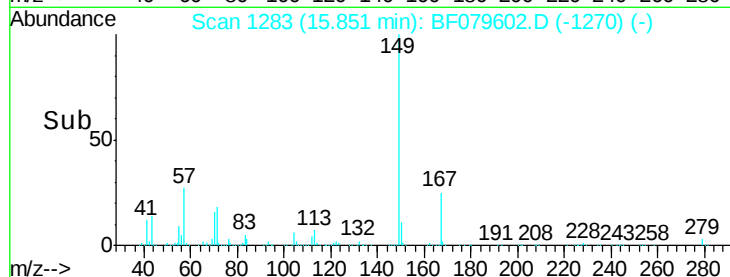
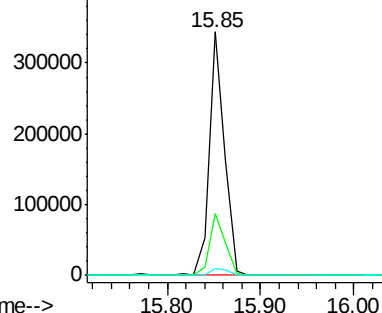
279 2.6 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 43.44 ng

RT: 16.65 min Scan# 1353

Delta R.T. -0.10 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

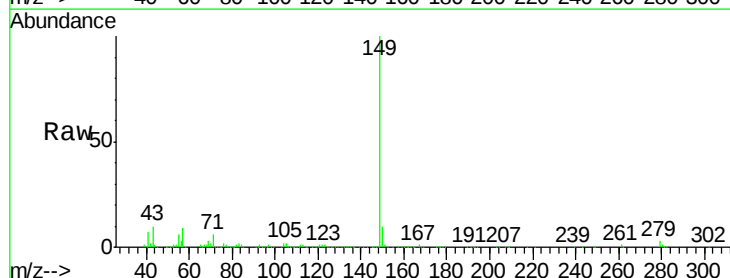
Tgt Ion:149 Resp: 683258

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

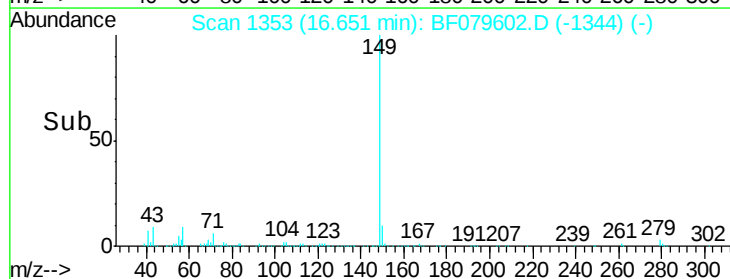
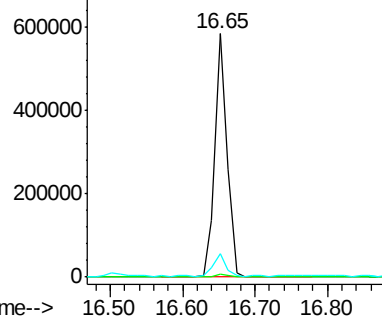
43 9.2 7.8 11.6

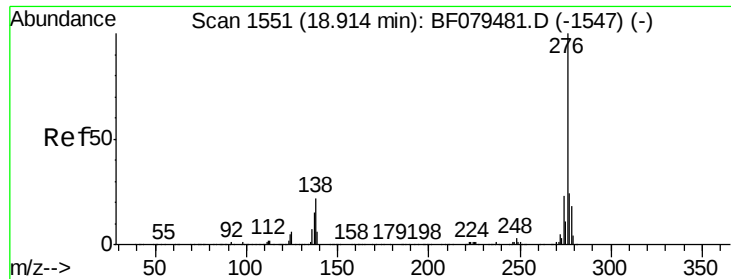


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

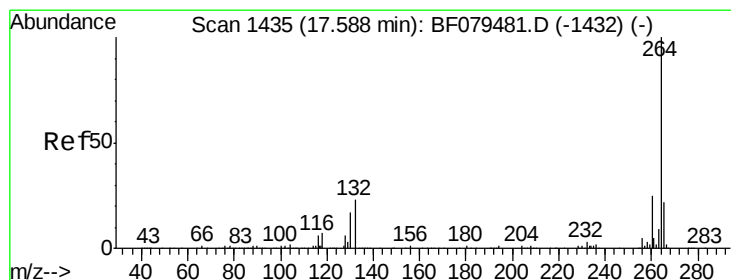
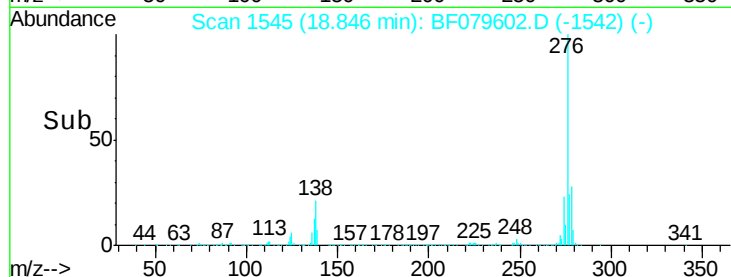
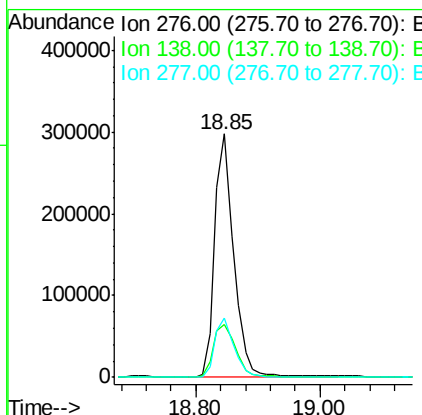
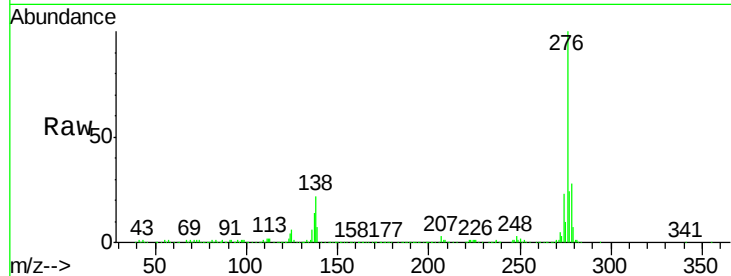




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 39.23 ng
 RT: 18.85 min Scan# 1545
 Delta R.T. -0.17 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

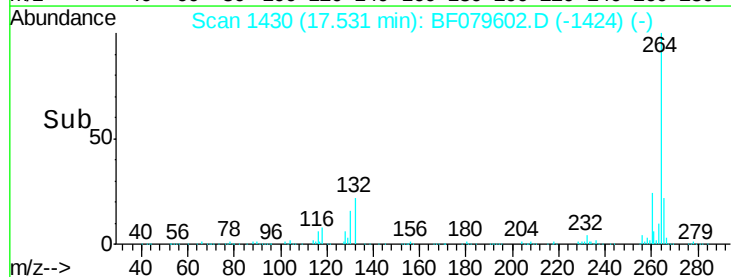
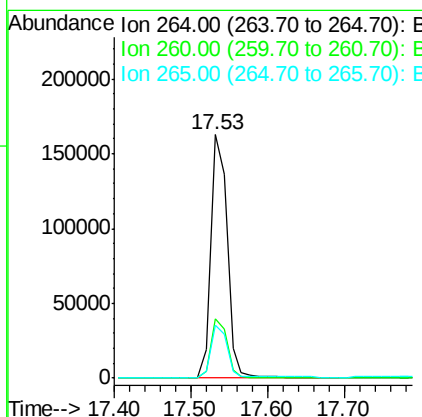
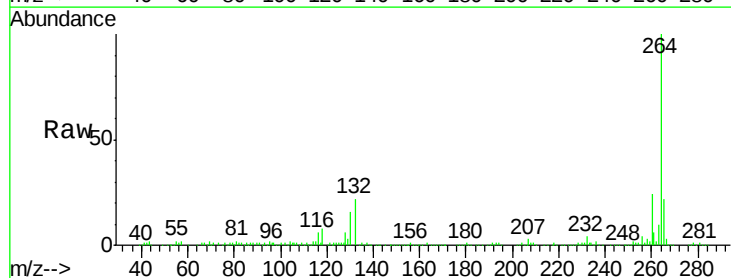
Instrument :
 BNA_F
 ClientSampleId :
 PULASKIST7.3(2)MSD

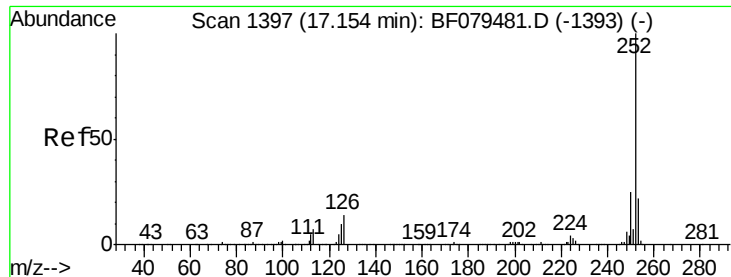
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	21.4	32.2
277	24.4	19.8	29.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.53 min Scan# 1430
 Delta R.T. -0.14 min
 Lab File: BF079602.D
 Acq: 30 May 2015 14:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	21.9	17.8	26.6

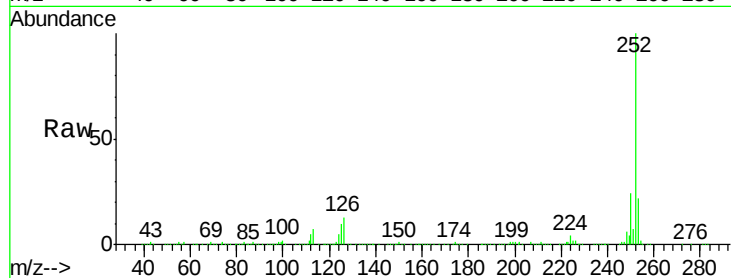




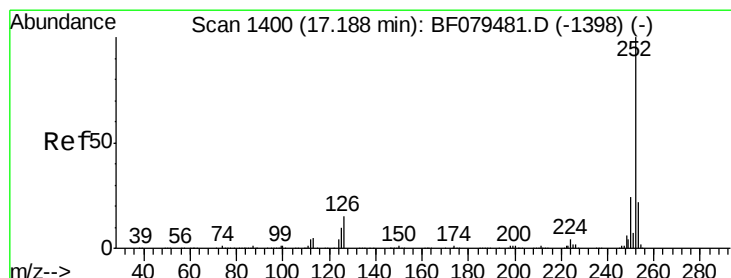
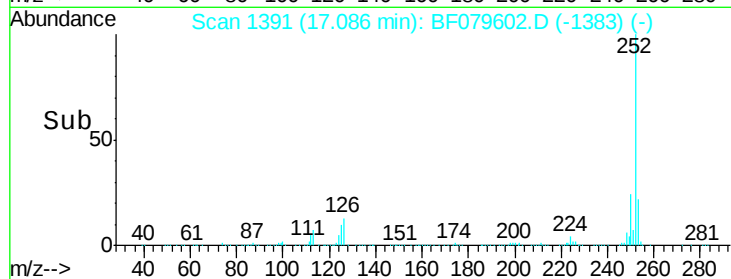
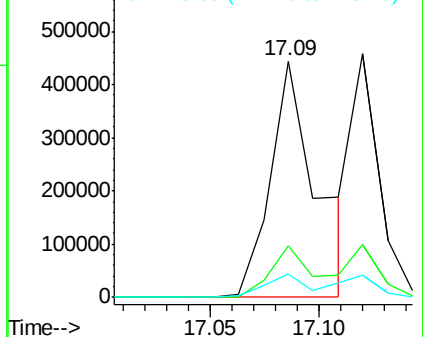
#87
Benzo(b)fluoranthene
Concen: 48.37 ng
RT: 17.09 min Scan# 1391
Delta R.T. -0.11 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Instrument :
BNA_F
ClientSampleId :
PULASKIST7.3(2)MSD

Tgt Ion:252 Resp: 661397
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.8 7.8 11.6

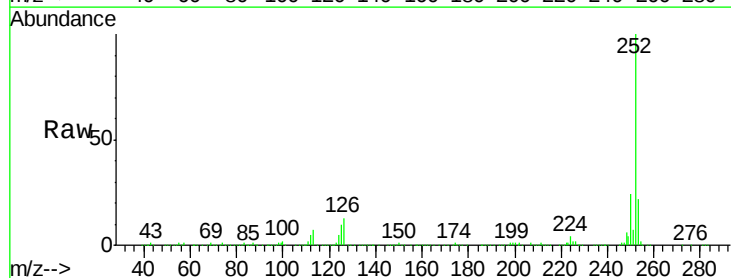


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

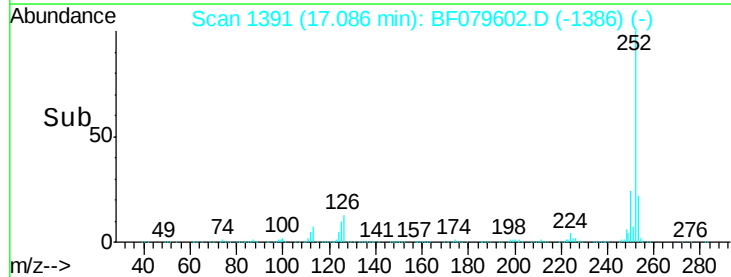
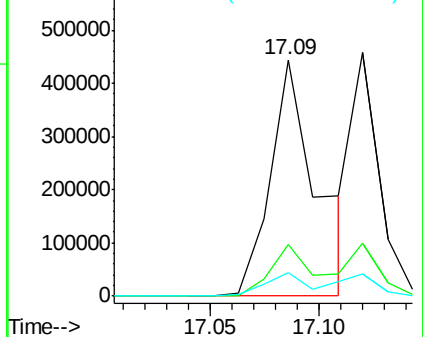


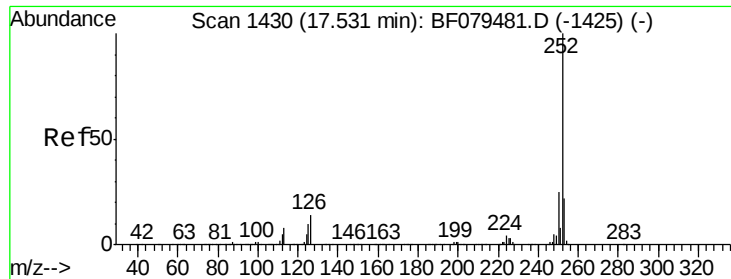
#88
Benzo(k)fluoranthene
Concen: 54.08 ng
RT: 17.09 min Scan# 1391
Delta R.T. -0.15 min
Lab File: BF079602.D
Acq: 30 May 2015 14:51

Tgt Ion:252 Resp: 661397
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 9.8 6.8 10.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 41.74 ng

RT: 17.47 min Scan# 1425

Delta R.T. -0.14 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

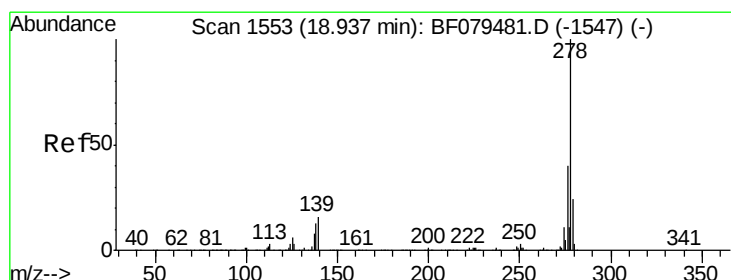
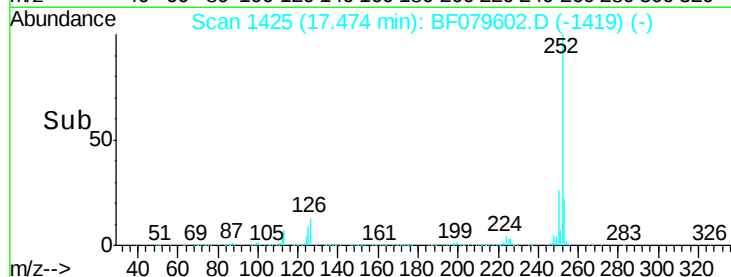
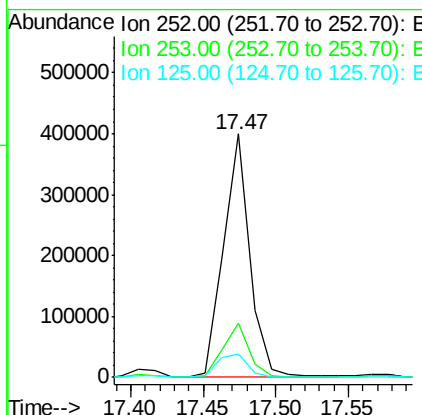
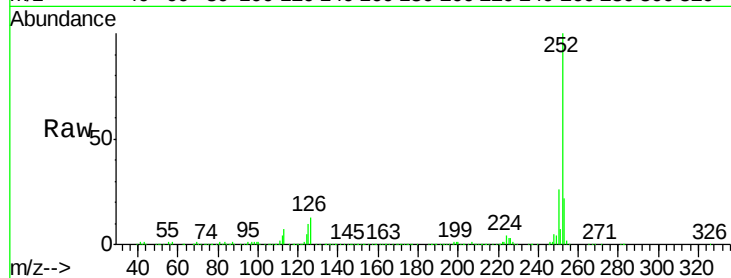
Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD

Tgt Ion:	252	Resp:	502237
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.7	7.9	11.9



#90

Dibenzo(a,h)anthracene

Concen: 40.18 ng

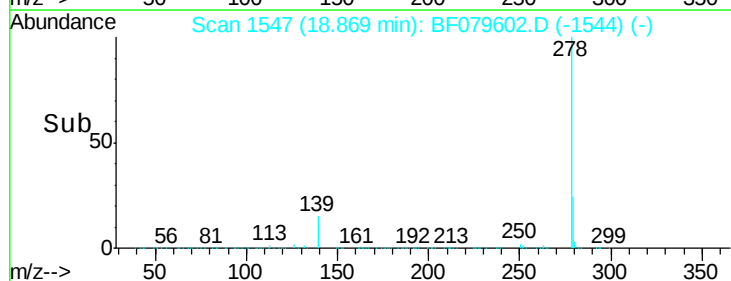
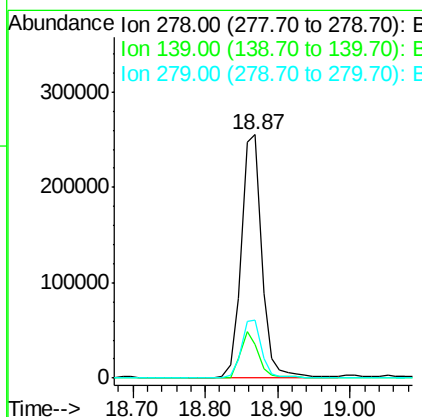
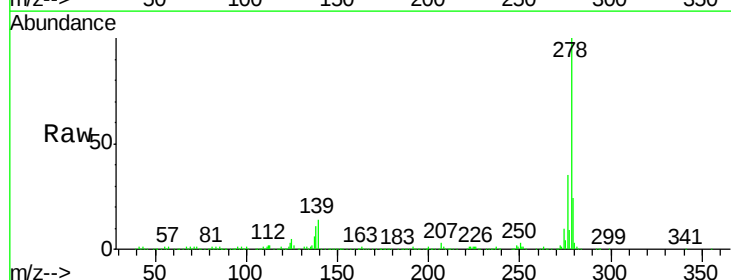
RT: 18.87 min Scan# 1547

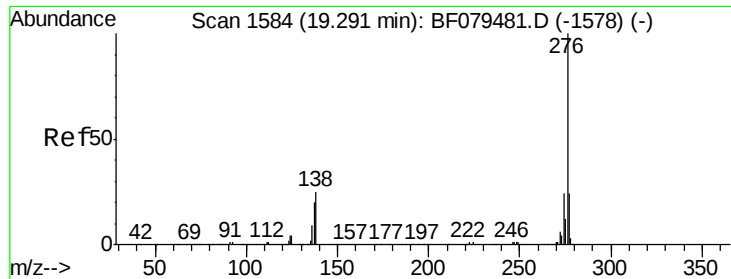
Delta R.T. -0.17 min

Lab File: BF079602.D

Acq: 30 May 2015 14:51

Tgt Ion:	278	Resp:	506149
Ion	Ratio	Lower	Upper
278	100		
139	14.0	12.8	19.2
279	23.6	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 40.23 ng

RT: 19.21 min Scan# 1577

Delta R.T. -0.19 min

Lab File: BF079602.D

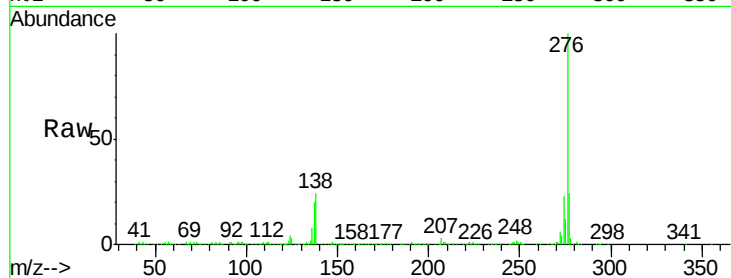
Acq: 30 May 2015 14:51

Instrument :

BNA_F

ClientSampleId :

PULASKIST7.3(2)MSD



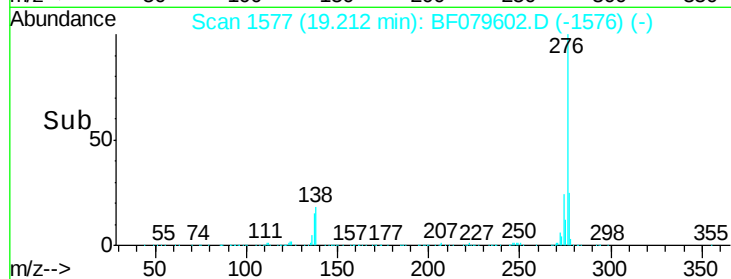
Tgt Ion: 276 Resp: 503102

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 23.6 20.1 30.1



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

