

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084500.D
 Acq On : 15 Jan 2016 19:34
 Operator : SJ/UM
 Sample : H1127-02MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

Quant Time: Jan 16 02:53:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:26:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	270869	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1117901	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	519562	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	884515	20.00	ng	0.01
75) Chrysene-d12	13.99	240	546464	20.00	ng	0.00
86) Perylene-d12	15.40	264	549503	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	2243752	133.98	ng	0.02
7) Phenol-d6	6.48	99	2607075	123.96	ng	0.01
23) Nitrobenzene-d5	7.39	82	1701518	84.71	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	591749	112.81	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	2806524	95.83	ng	0.00
78) Terphenyl-d14	12.93	244	2197922	89.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.46	88	326035	41.10	ng	# 80
3) Pyridine	3.18	79	694891	31.42	ng	# 82
4) n-Nitrosodimethylamine	3.13	42	466130	41.06	ng	# 87
6) Aniline	6.49	93	749327	24.35	ng	# 20
8) 2-Chlorophenol	6.61	128	900990	47.42	ng	# 93
9) Benzaldehyde	6.36	77	146767	10.72	ng	# 89
10) Phenol	6.49	94	972631	40.67	ng	# 86
11) bis(2-Chloroethyl)ether	6.57	93	910031	49.13	ng	# 88
12) 1,3-Dichlorobenzene	6.76	146	859066	43.83	ng	# 93
13) 1,4-Dichlorobenzene	6.84	146	912872	46.45	ng	# 95
14) 1,2-Dichlorobenzene	6.99	146	784517	41.68	ng	# 94
15) Benzyl Alcohol	6.98	79	762913	43.12	ng	# 96
16) 2,2'-oxybis(1-Chloropropan	7.10	45	1409985	41.80	ng	# 95
17) 2-Methylphenol	7.09	107	712985	44.77	ng	# 94
18) Hexachloroethane	7.33	117	336841	42.86	ng	# 93
19) n-Nitroso-di-n-propylamine	7.24	70	607487	42.67	ng	# 73
20) 3+4-Methylphenols	7.25	107	914269	48.85	ng	# 89
22) Acetophenone	7.24	105	1221470	45.44	ng	# 97
24) Nitrobenzene	7.41	77	1007801	49.47	ng	# 97
25) Isophorone	7.65	82	1707891	44.46	ng	# 98
26) 2-Nitrophenol	7.73	139	509418	54.94	ng	# 91
27) 2,4-Dimethylphenol	7.78	122	881588	46.97	ng	# 90
28) bis(2-Chloroethoxy)methane	7.87	93	1146022	48.84	ng	# 97
29) 2,4-Dichlorophenol	7.97	162	698056	44.65	ng	# 96
30) 1,2,4-Trichlorobenzene	8.05	180	757087	46.91	ng	# 96
31) Naphthalene	8.13	128	2302055	45.39	ng	# 98
32) Benzoic acid	7.88	122	235615	23.22	ng	# 95
33) 4-Chloroaniline	8.18	127	387542	16.67	ng	# 98
34) Hexachlorobutadiene	8.25	225	392920	42.35	ng	# 98
35) Caprolactam	8.57	113	245509m	46.59	ng	# 96
36) 4-Chloro-3-methylphenol	8.68	107	778484	44.46	ng	# 96
37) 2-Methylnaphthalene	8.83	142	1659902	45.59	ng	# 97
39) 1,2,4,5-Tetrachlorobenzene	8.99	216	634602	42.49	ng	# 99
40) Hexachlorocyclopentadiene	8.98	237	534001	59.22	ng	# 99

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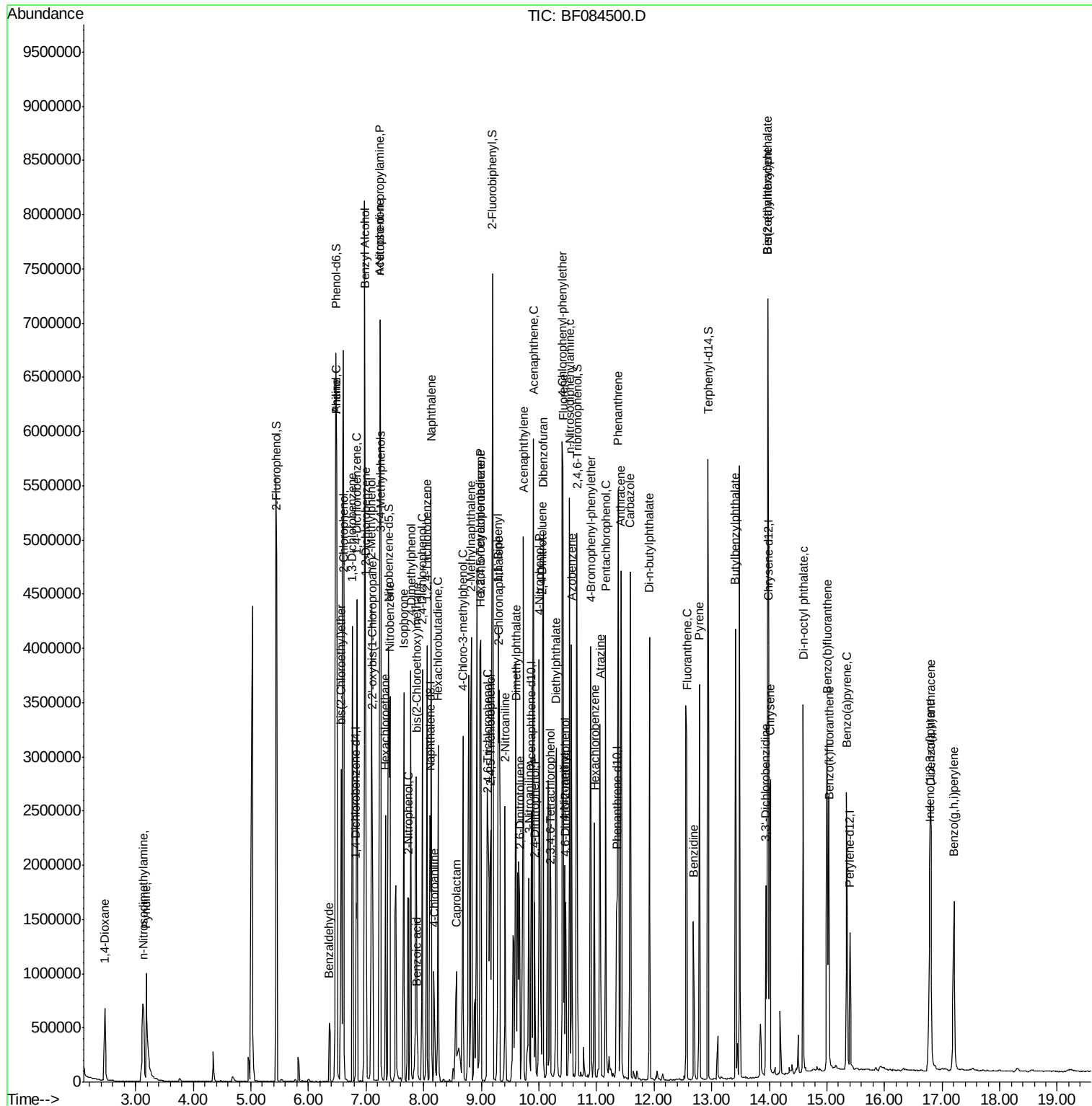
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	492608	44.08	nq	93
43) 2,4,5-Trichlorophenol	9.16	196	516113	48.18	nq	95
45) 1,1'-Biphenyl	9.29	154	1826210	44.23	nq	97
46) 2-Chloronaphthalene	9.31	162	1417979	43.72	nq	97
47) 2-Nitroaniline	9.41	65	463492	43.30	nq	98
48) Acenaphthylene	9.73	152	2224344	46.42	nq	96
49) Dimethylphthalate	9.61	163	2500594	67.32	nq	# 91
50) 2,6-Dinitrotoluene	9.66	165	411838	50.55	nq	91
51) Acenaphthene	9.90	154	1571522	48.89	nq	98
52) 3-Nitroaniline	9.82	138	264322	26.18	nq	94
53) 2,4-Dinitrophenol	9.93	184	235689	68.45	nq	# 73
54) Dibenzofuran	10.08	168	1907636	45.88	nq	94
55) 4-Nitrophenol	10.01	139	582782	79.53	nq	# 81
56) 2,4-Dinitrotoluene	10.06	165	550932	53.43	nq	95
57) Fluorene	10.42	166	1509628	47.00	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.20	232	400041	43.74	nq	88
59) Diethylphthalate	10.30	149	1697722	46.36	nq	95
60) 4-Chlorophenyl-phenylether	10.41	204	627745	46.48	nq	94
61) 4-Nitroaniline	10.44	138	369347	41.05	nq	88
62) Azobenzene	10.57	77	1682584	41.89	nq	90
64) 4,6-Dinitro-2-methylphenol	10.46	198	230919	42.79	nq	# 55
65) n-Nitrosodiphenylamine	10.53	169	1365785	48.29	nq	99
66) 4-Bromophenyl-phenylether	10.90	248	441815	46.41	nq	# 86
67) Hexachlorobenzene	10.97	284	483786	45.15	nq	# 87
68) Atrazine	11.06	200	416549	45.01	nq	99
69) Pentachlorophenol	11.16	266	453267	81.58	nq	99
70) Phenanthrene	11.38	178	2184270	47.21	nq	96
71) Anthracene	11.42	178	2038510	44.95	nq	98
72) Carbazole	11.58	167	1817705	41.00	nq	98
73) Di-n-butylphthalate	11.92	149	2243680	48.57	nq	# 95
74) Fluoranthene	12.57	202	2107171	43.60	nq	94
76) Benzidine	12.68	184	688383	35.13	nq	99
77) Pyrene	12.79	202	1987665	46.35	nq	98
79) Butylbenzylphthalate	13.41	149	888023	47.85	nq	92
80) Benzo(a)anthracene	13.97	228	1415045	44.10	nq	99
81) 3,3'-Dichlorobenzidine	13.94	252	405938	36.25	nq	# 92
82) Chrysene	14.02	228	1469728	47.67	nq	99
83) Bis(2-ethylhexyl)phthalate	13.97	149	1097863	46.83	nq	99
84) Di-n-octyl phthalate	14.59	149	1929066	48.74	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.79	276	1559646	63.81	nq	98
87) Benzo(b)fluoranthene	15.00	252	1442505m	40.13	nq	
88) Benzo(k)fluoranthene	15.04	252	1376801m	46.83	nq	
89) Benzo(a)pyrene	15.35	252	1382785	45.35	nq	# 94
90) Dibenzo(a,h)anthracene	16.81	278	1280869	48.82	nq	98
91) Benzo(g,h,i)perylene	17.21	276	1291160	47.52	nq	99

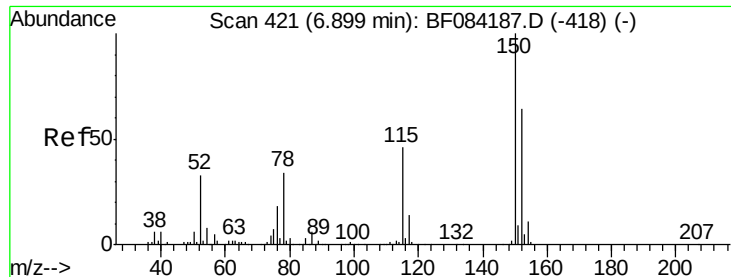
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

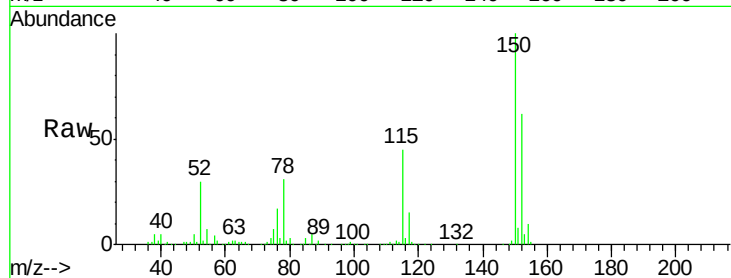
Tot Ion:152 Resp: 270869

Ion Ratio Lower Upper

152 100

150 161.0 123.0 184.4

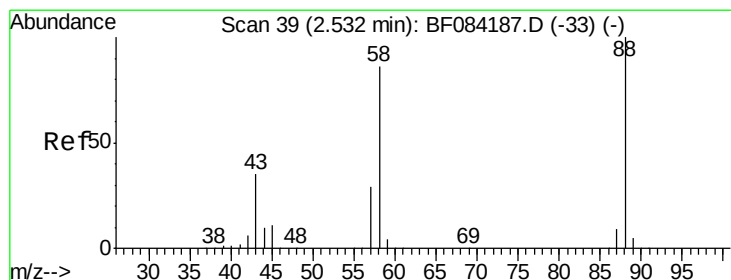
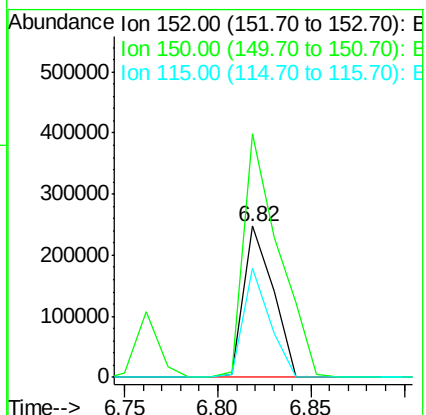
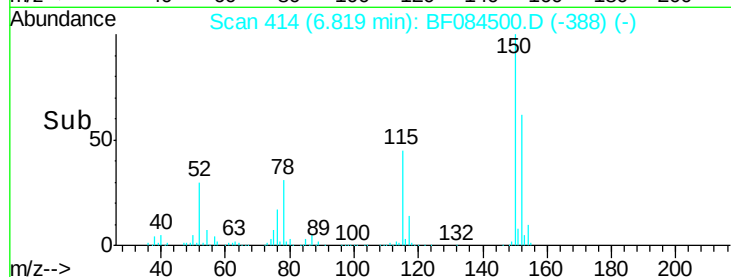
115 72.6 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 41.10 ng

RT: 2.46 min Scan# 33

Delta R.T. 0.08 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

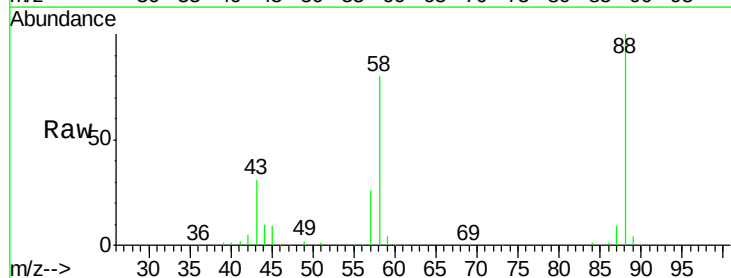
Tgt Ion: 88 Resp: 326035

Ion Ratio Lower Upper

88 100

58 81.9 51.2 76.8#

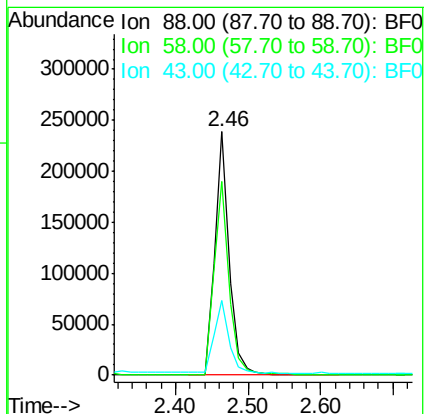
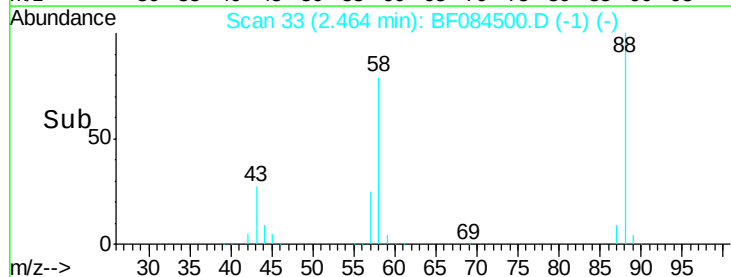
43 31.1 19.5 29.3#

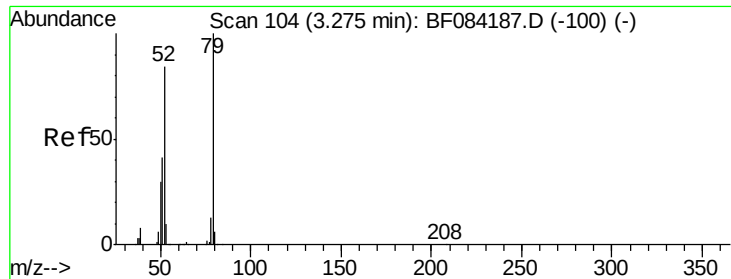


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 31.42 ng

RT: 3.18 min Scan# 96

Delta R.T. 0.08 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

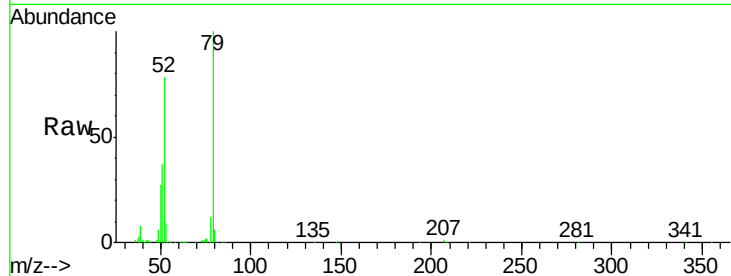
Tot Ion: 79 Resp: 694891

Ion Ratio Lower Upper

79 100

52 78.3 49.0 73.4#

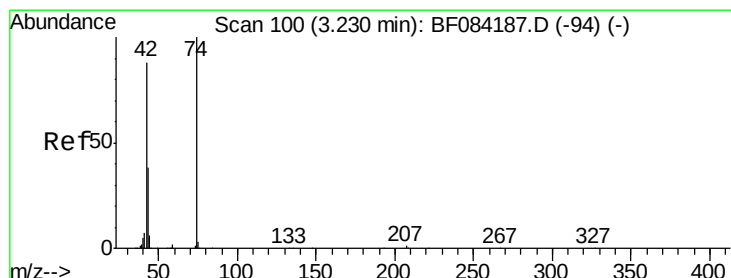
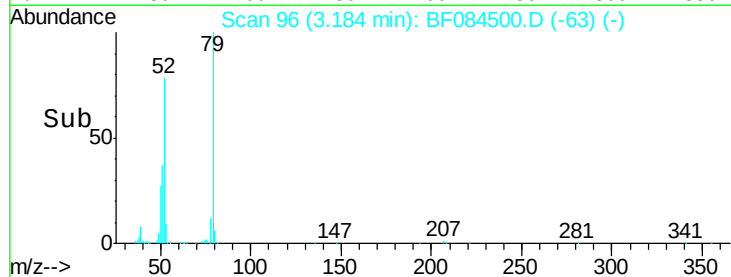
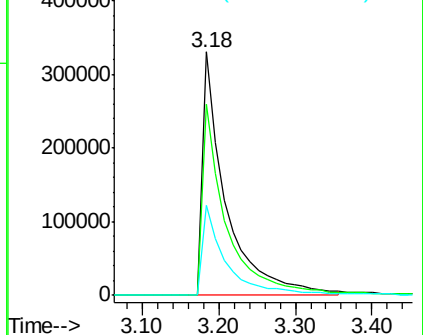
51 36.8 25.2 37.8



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 41.06 ng

RT: 3.13 min Scan# 91

Delta R.T. 0.07 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

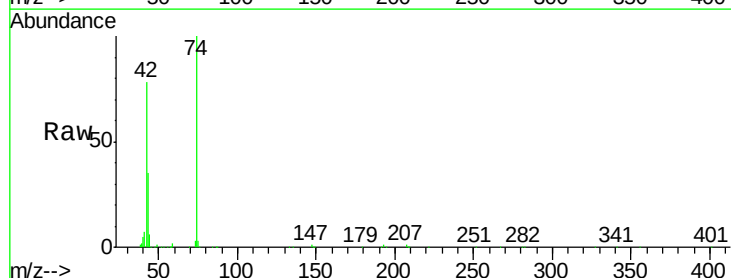
Tgt Ion: 42 Resp: 466130

Ion Ratio Lower Upper

42 100

74 127.8 115.7 173.5

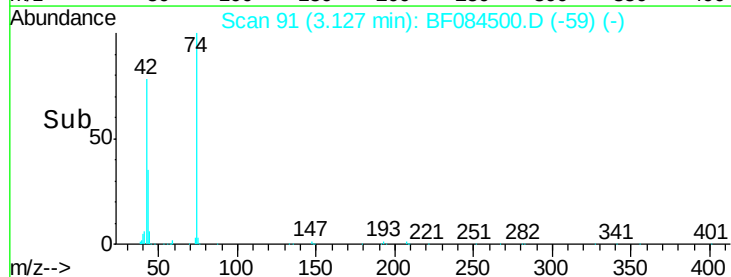
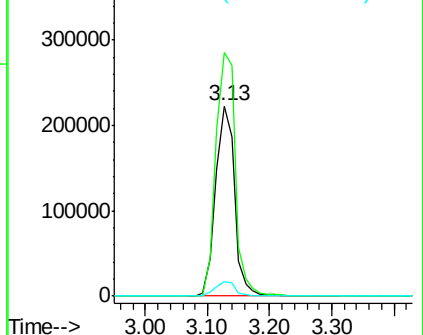
44 7.5 5.1 7.7

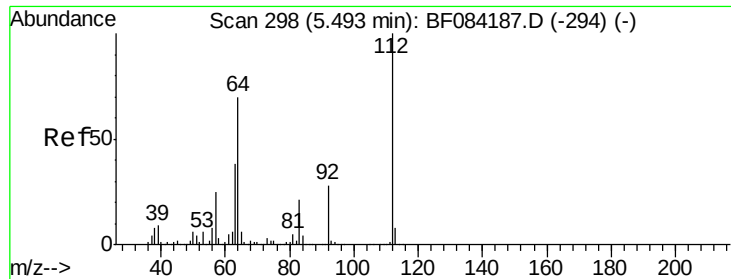


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 133.98 ng

RT: 5.45 min Scan# 294

Delta R.T. 0.02 min

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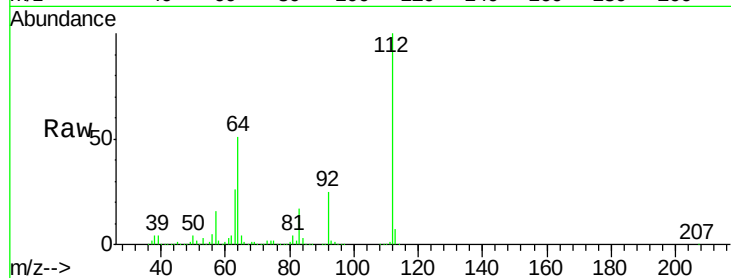
Tot Ion:112 Resp: 2243752

Ion Ratio Lower Upper

112 100

64 51.0 36.6 55.0

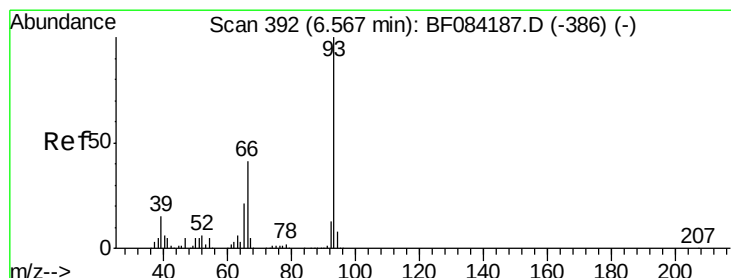
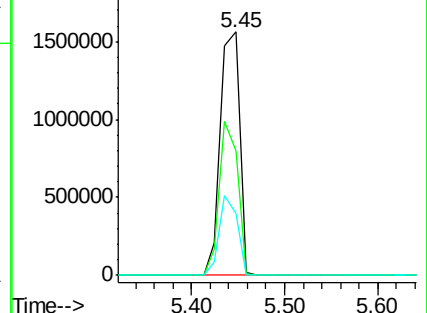
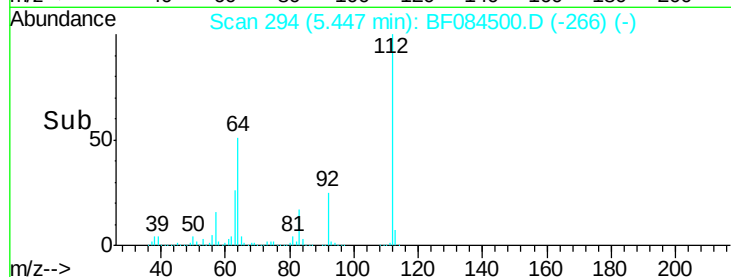
63 25.7 19.4 29.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 24.35 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

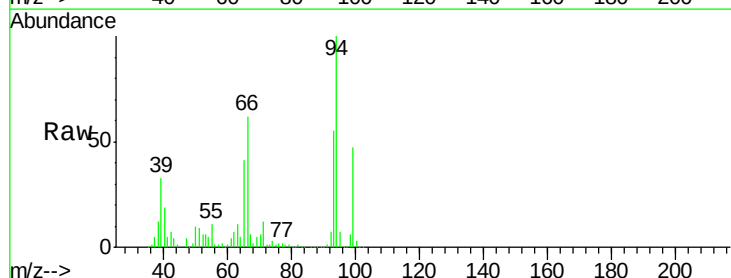
Tgt Ion: 93 Resp: 749327

Ion Ratio Lower Upper

93 100

66 112.8 44.9 67.3#

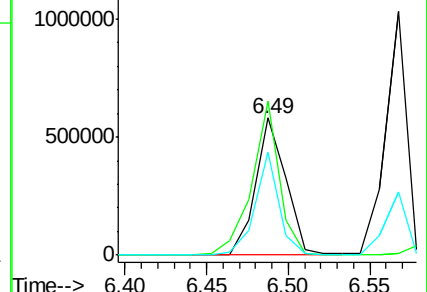
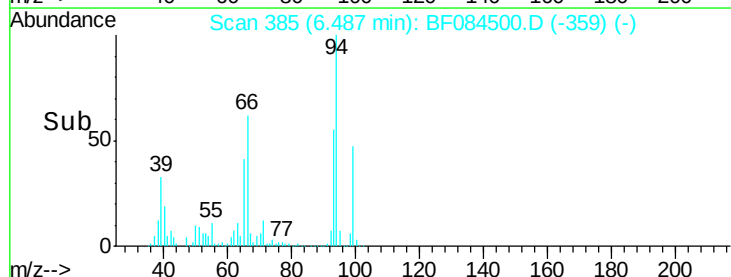
65 75.0 23.7 35.5#

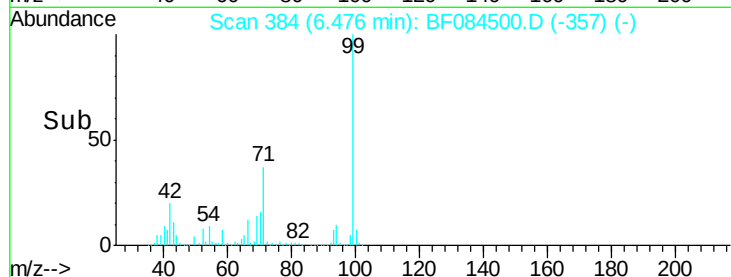
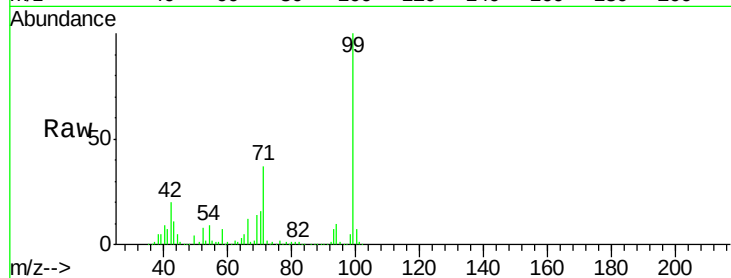
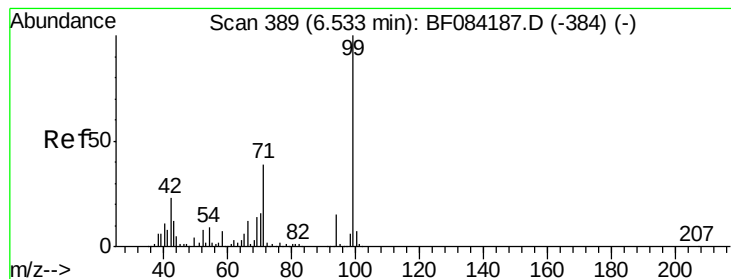


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 123.96 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

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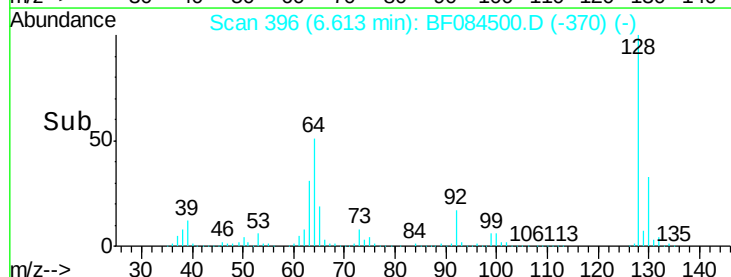
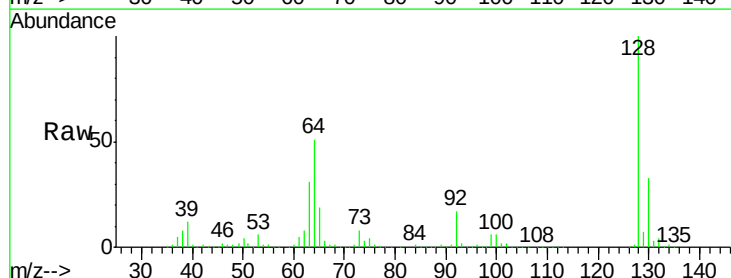
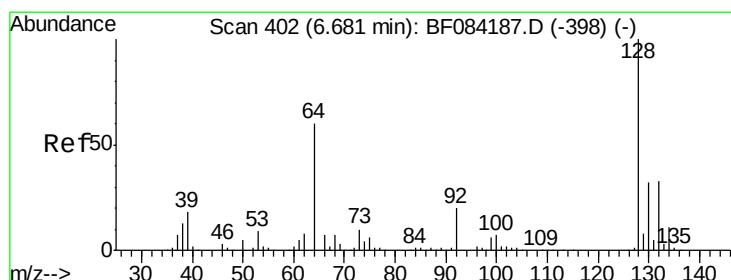
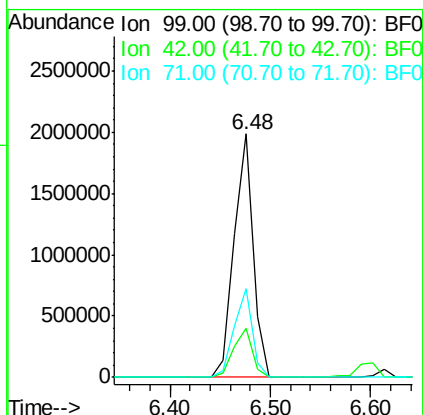
Tot Ion: 99 Resp: 2607075

Ion Ratio Lower Upper

99 100

42 20.4 12.8 19.2#

71 36.5 30.9 46.3



#8

2-Chlorophenol

Concen: 47.42 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

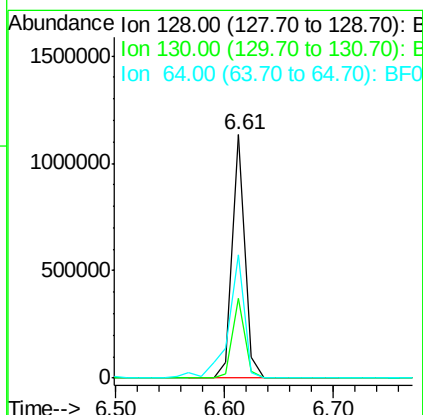
Tgt Ion: 128 Resp: 900990

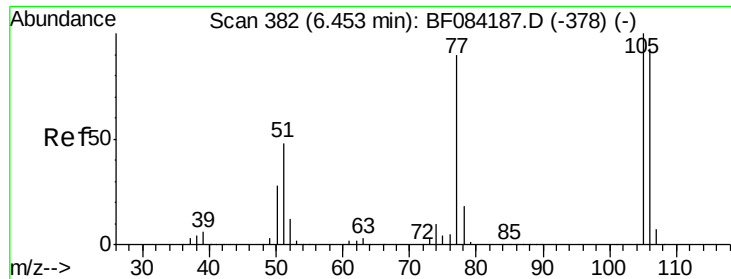
Ion Ratio Lower Upper

128 100

130 32.7 11.6 51.6

64 50.7 23.8 63.8





#9

Benzaldehyde

Concen: 10.72 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084500.D

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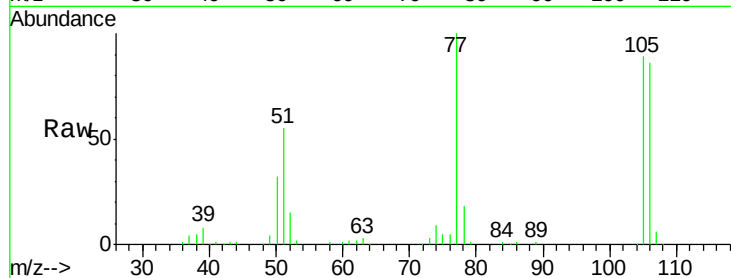
Tot Ion: 77 Resp: 146767

Ion Ratio Lower Upper

77 100

105 88.7 83.0 123.0

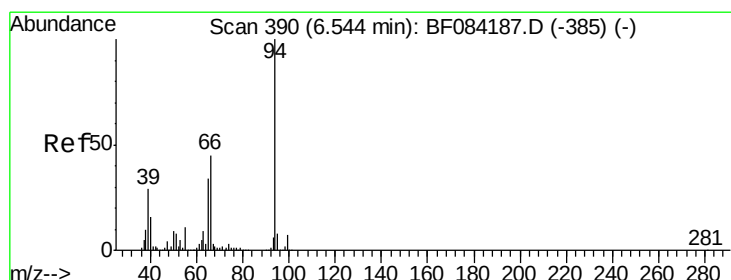
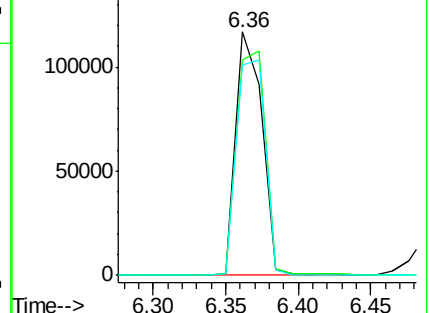
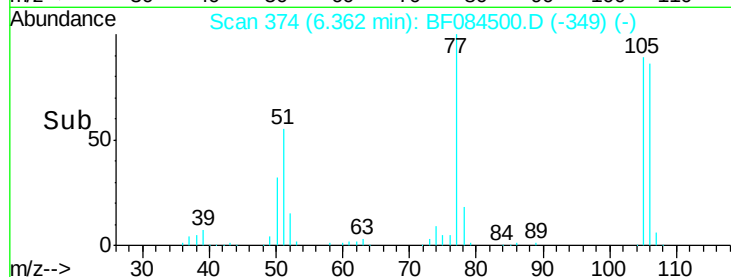
106 86.2 74.6 114.6



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 40.67 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

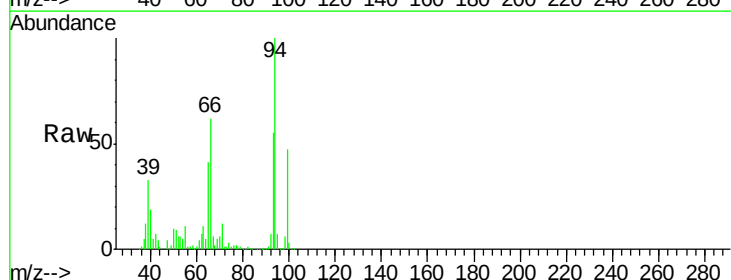
Tgt Ion: 94 Resp: 972631

Ion Ratio Lower Upper

94 100

65 41.3 12.9 52.9

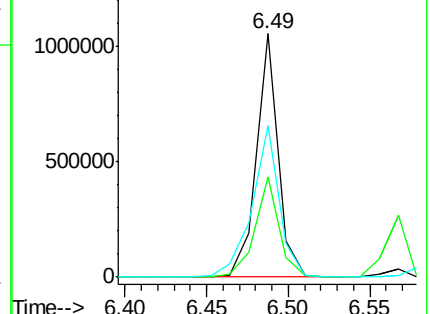
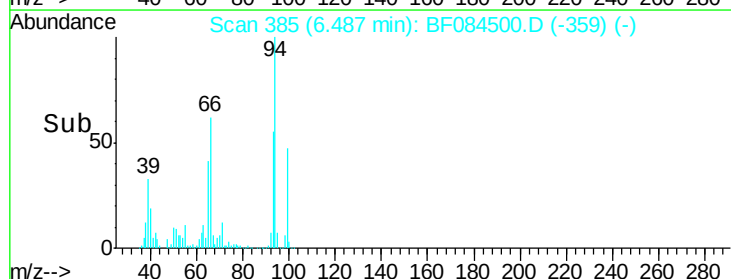
66 62.1 32.7 72.7

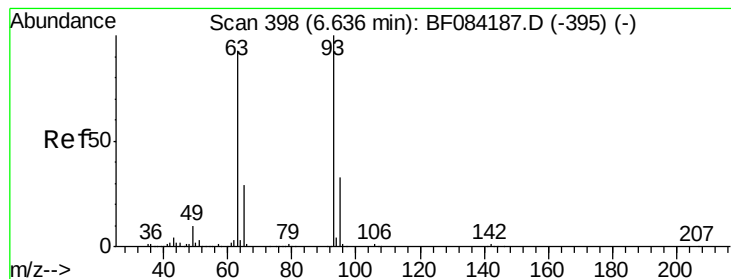


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

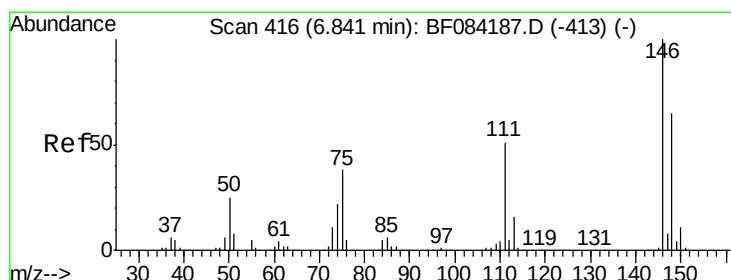
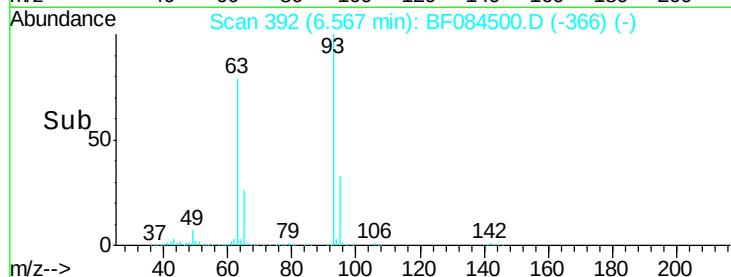
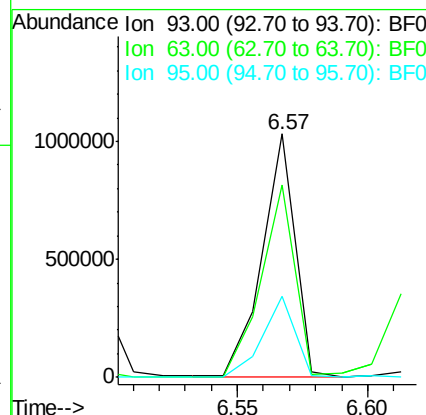
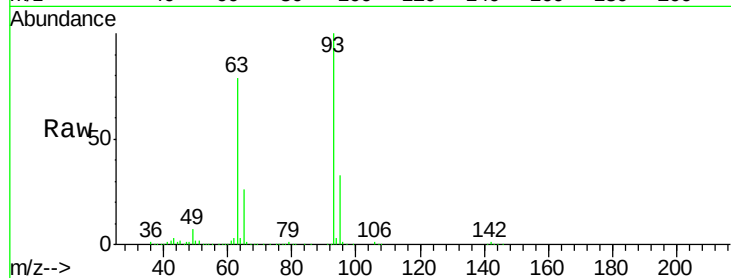




#11
bis(2-Chloroethyl)ether
Concen: 49.13 ng
RT: 6.57 min Scan# 392
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

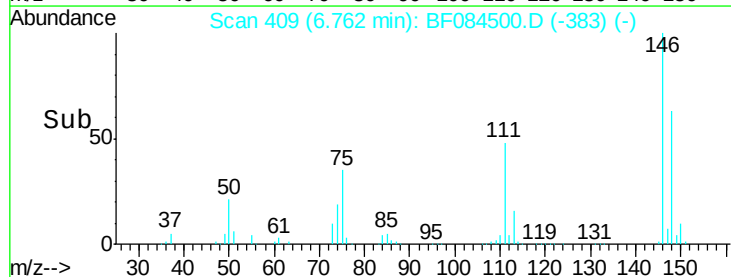
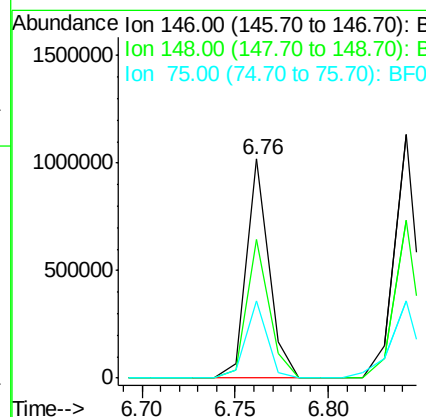
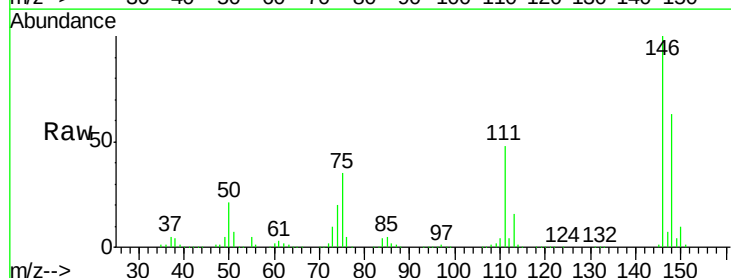
Instrument :
BNA_F
ClientSampleId :
CLAYMS

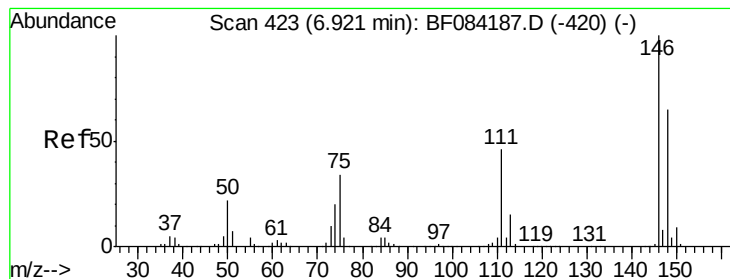
Tot Ion: 93 Resp: 910031
Ion Ratio Lower Upper
93 100
63 79.2 45.9 85.9
95 33.5 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 43.83 ng
RT: 6.76 min Scan# 409
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion: 146 Resp: 859066
Ion Ratio Lower Upper
146 100
148 63.4 51.9 77.9
75 35.1 20.5 30.7#





#13

1,4-Dichlorobenzene

Concen: 46.45 ng

RT: 6.84 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

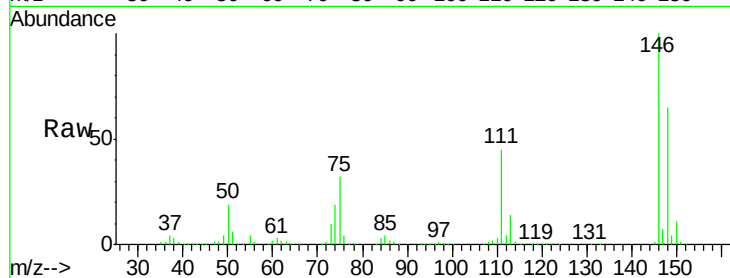
Tot Ion:146 Resp: 912872

Ion Ratio Lower Upper

146 100

148 65.1 51.9 77.9

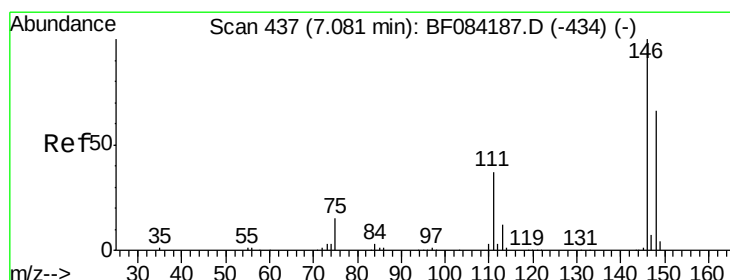
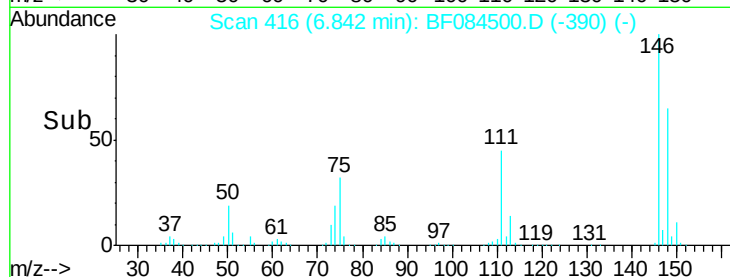
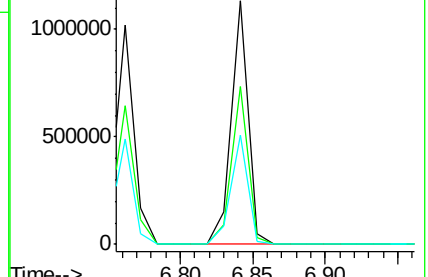
111 44.7 41.6 62.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.68 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

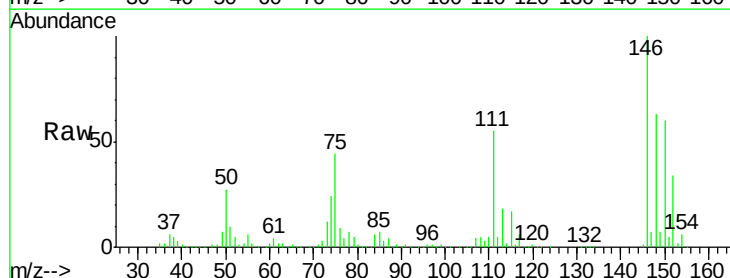
Tgt Ion:146 Resp: 784517

Ion Ratio Lower Upper

146 100

148 63.1 51.6 77.4

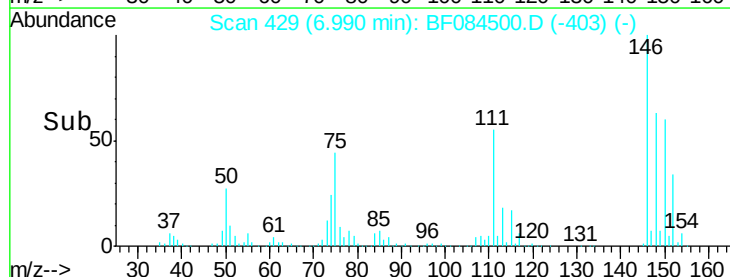
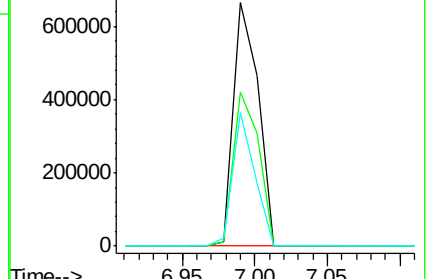
111 55.1 38.0 57.0

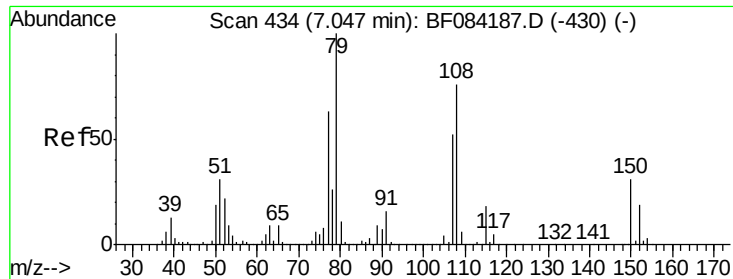


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.12 ng

RT: 6.98 min Scan# 428

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

CLAYMS

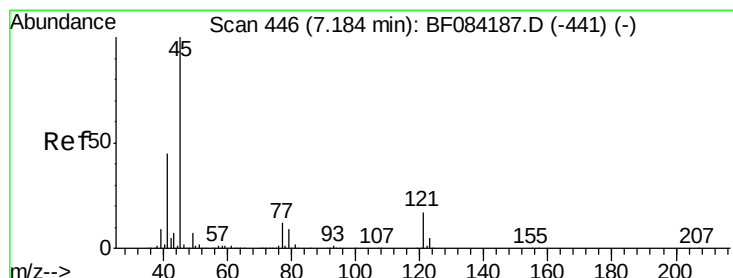
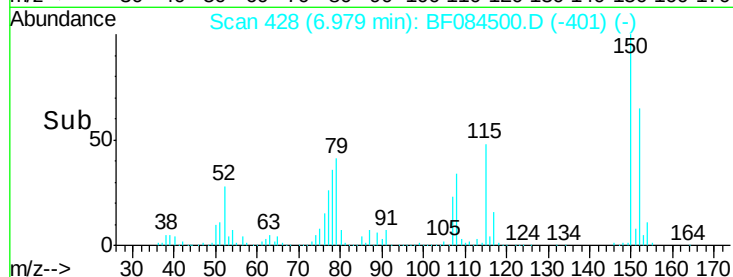
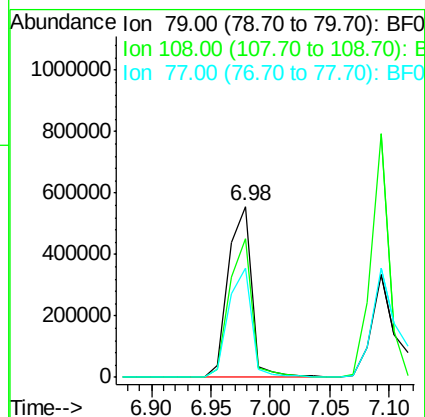
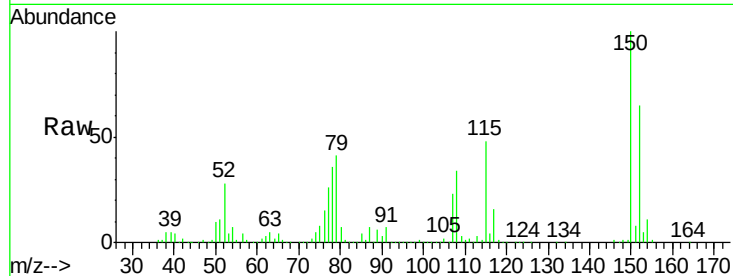
Tot Ion: 79 Resp: 762913

Ion Ratio Lower Upper

79 100

108 81.4 69.0 103.4

77 63.8 50.0 75.0



#16

2,2'-oxybis(1-chloropropane)

Concen: 41.80 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

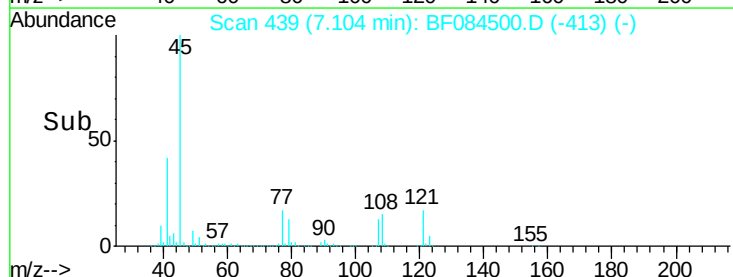
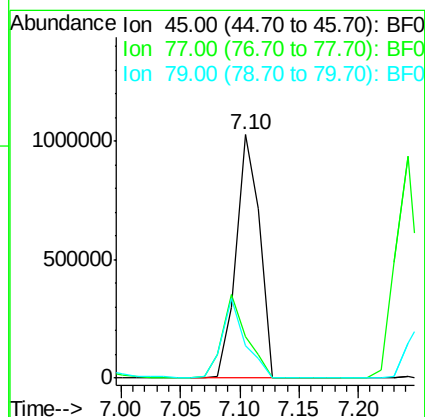
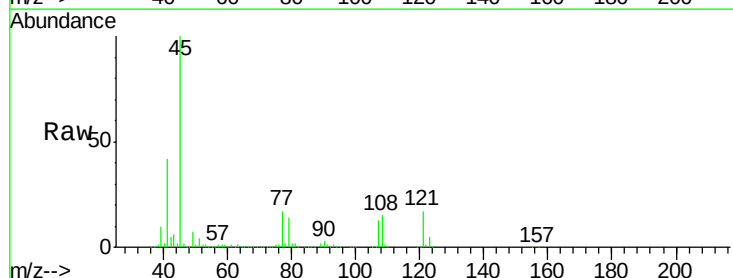
Tgt Ion: 45 Resp: 1409985

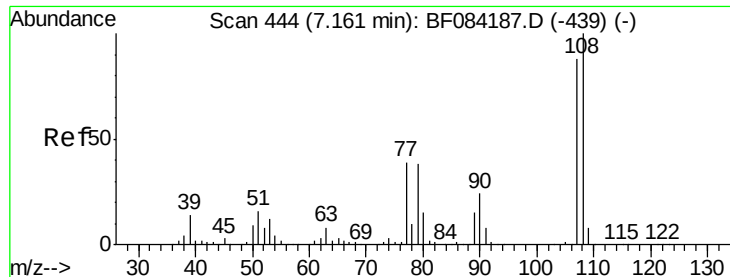
Ion Ratio Lower Upper

45 100

77 17.2 0.0 39.6

79 13.5 0.0 35.0

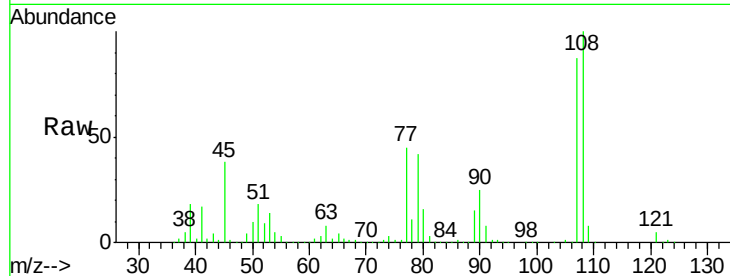




#17
2-Methylphenol
Concen: 44.77 ng
RT: 7.09 min Scan# 438
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Instrument :
BNA_F
ClientSampleId :
CLAYMS

Tot Ion:	107	Resp:	712985
Ion	Ratio	Lower	Upper
107	100		
108	115.3	89.8	134.6
77	51.7	35.7	53.5
79	49.0	35.7	53.5



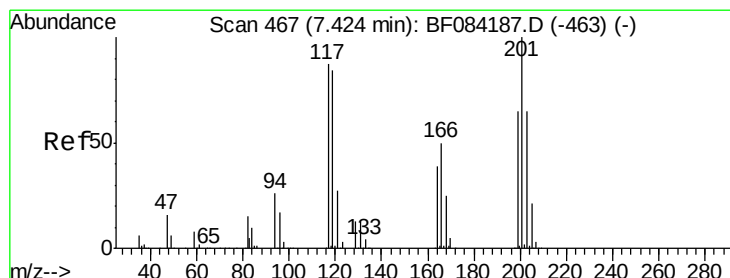
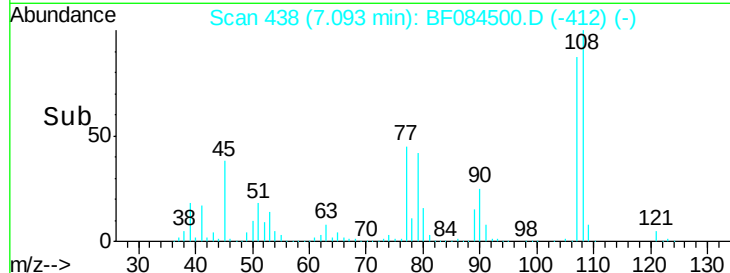
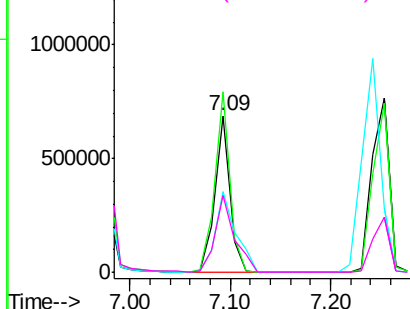
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

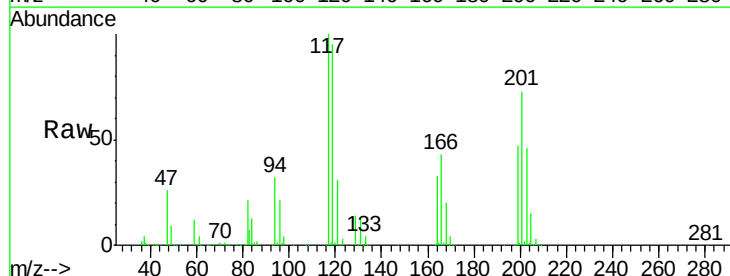
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 42.86 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:	117	Resp:	336841
Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
201	73.3	68.6	103.0

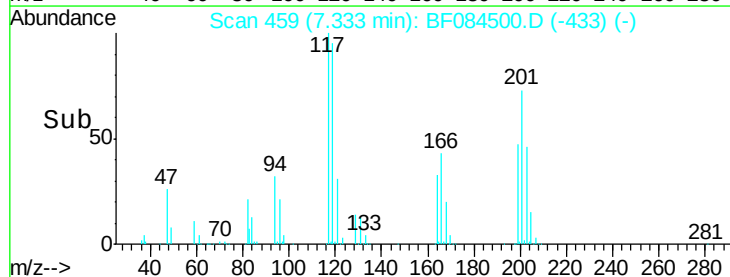
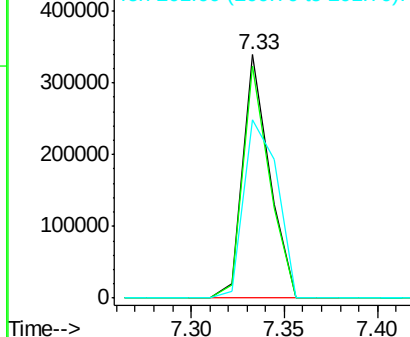


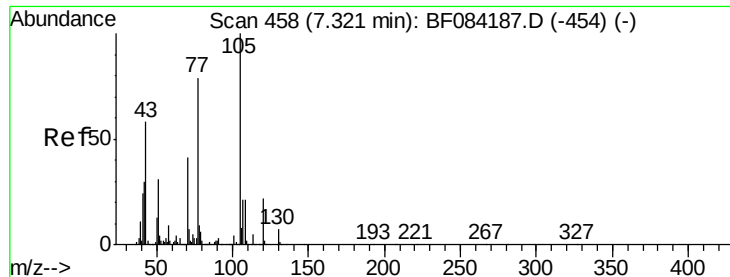
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

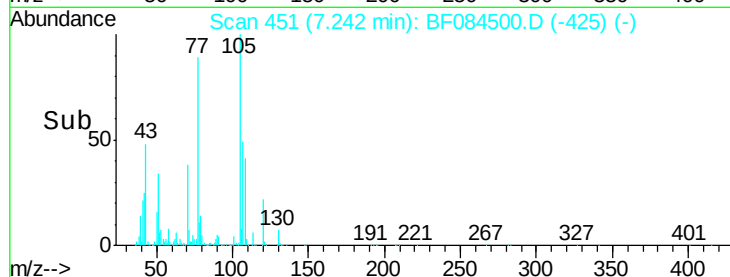
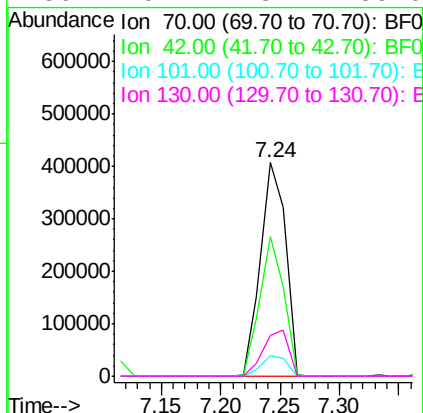
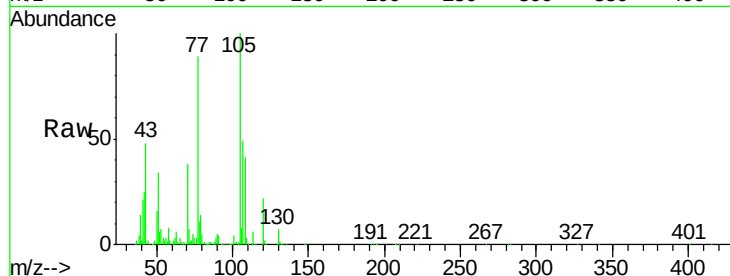




#19
n-Nitroso-di-n-propylamine
Concen: 42.67 ng
RT: 7.24 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

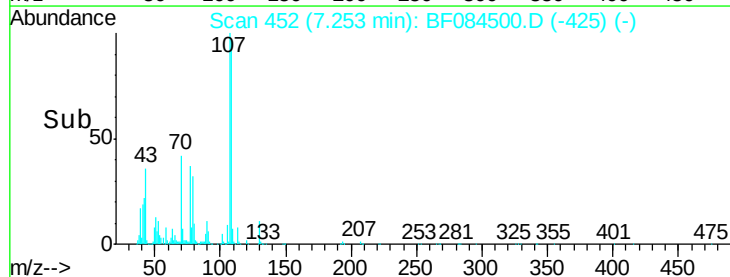
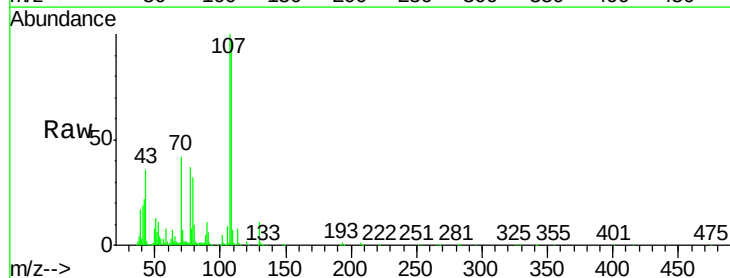
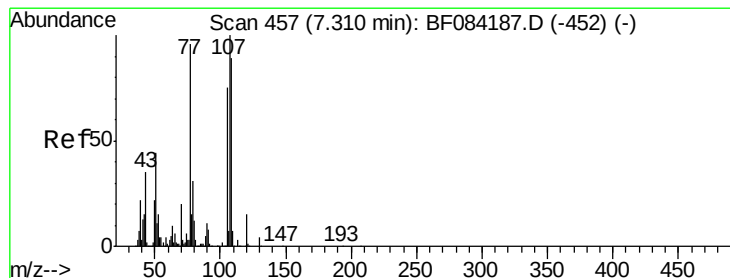
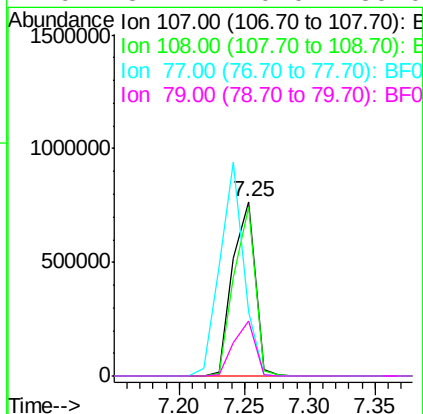
Instrument :
BNA_F
ClientSampleId :
CLAYMS

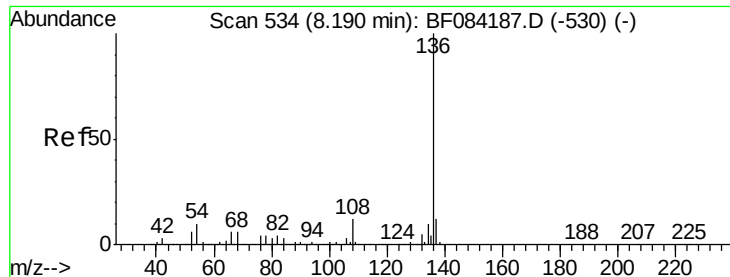
Tot Ion: 70 Resp: 607487
Ion Ratio Lower Upper
70 100
42 65.6 33.3 49.9#
101 9.5 9.3 13.9
130 19.2 23.4 35.0#



#20
3+4-Methylphenols
Concen: 48.85 ng
RT: 7.25 min Scan# 452
Delta R.T. 0.01 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:107 Resp: 914269
Ion Ratio Lower Upper
107 100
108 96.8 74.6 114.6
77 37.0 0.7 40.7
79 31.7 0.0 39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

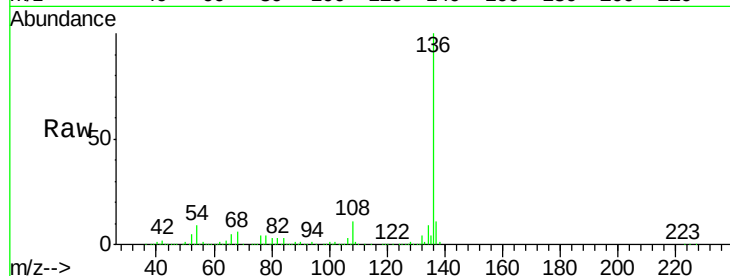
ClientSampleId :

CLAYMS

Tot Ion:136 Resp: 1117901

Ion Ratio Lower Upper

136	100		
137	11.1	8.7	13.1
54	9.2	5.8	8.8#
68	6.0	4.2	6.2

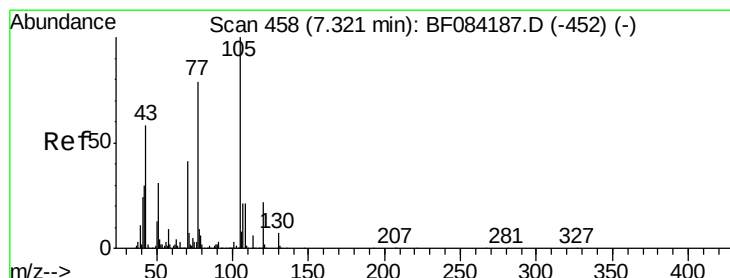
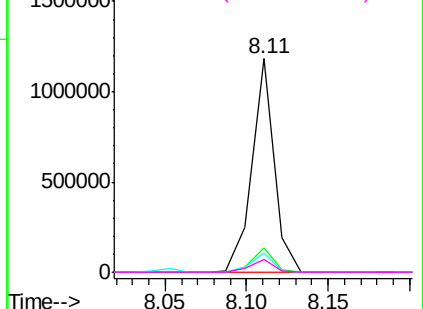
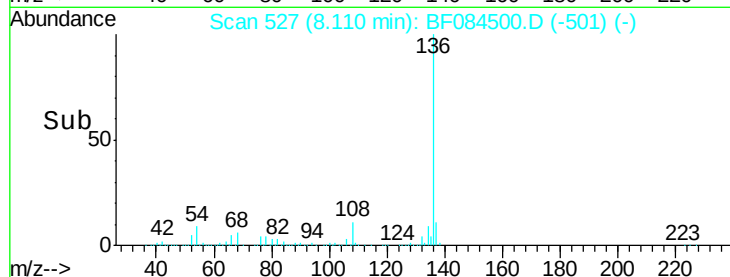


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 45.44 ng

RT: 7.24 min Scan# 451

Delta R.T. 0.00 min

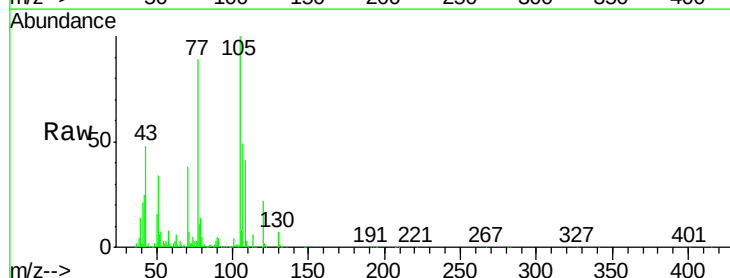
Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Tgt Ion:105 Resp: 1221470

Ion Ratio Lower Upper

105	100		
71	6.8	3.7	5.5#
51	33.6	25.1	37.7
120	21.8	16.6	25.0

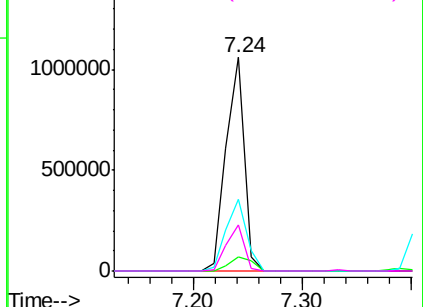
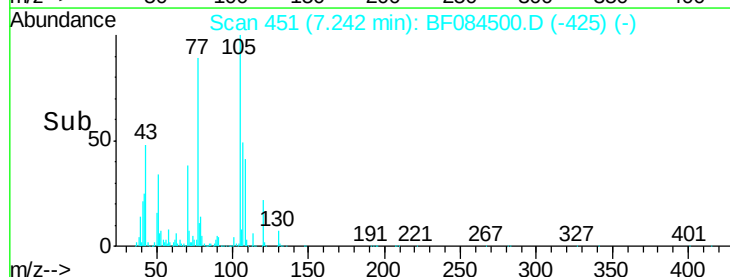


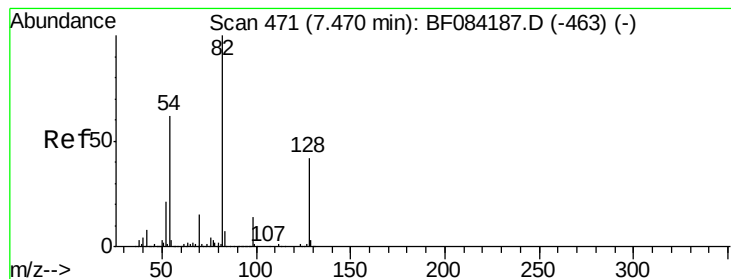
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 84.71 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

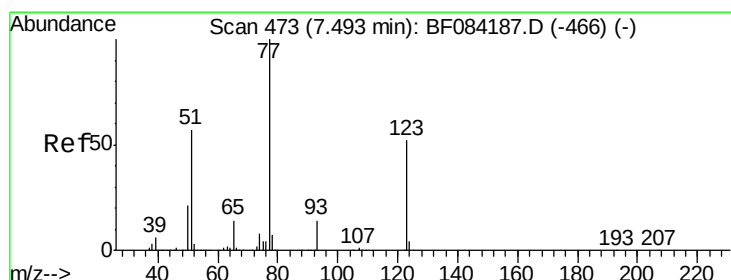
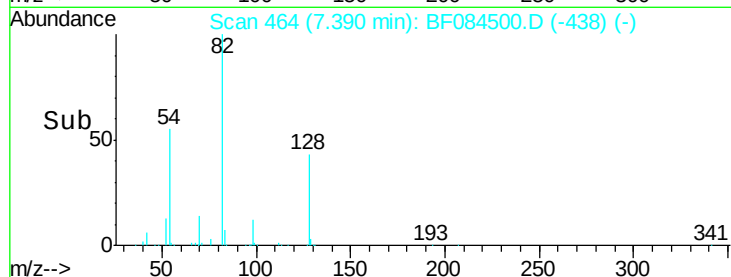
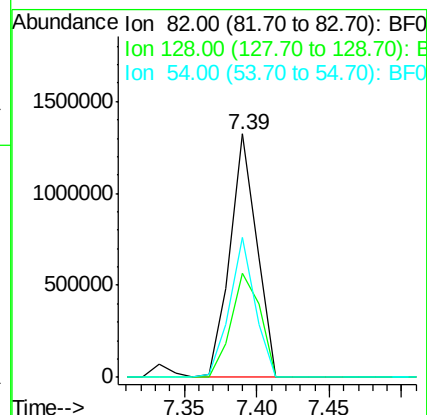
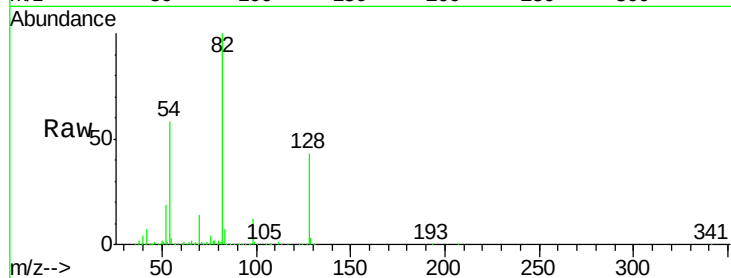
ClientSampleId :

CLAYMS

Tot Ion: 82 Resp: 1701518

Ion Ratio Lower Upper

82	100		
128	42.9	34.6	51.8
54	57.7	38.4	57.6#



#24

Nitrobenzene

Concen: 49.47 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.00 min

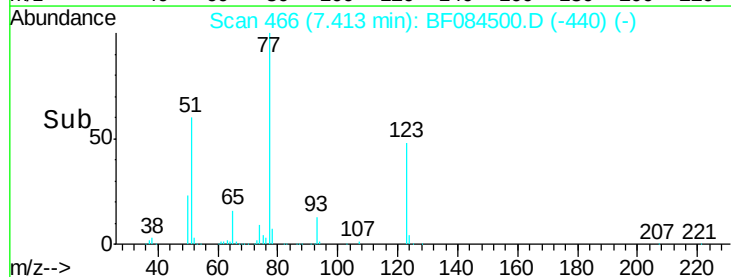
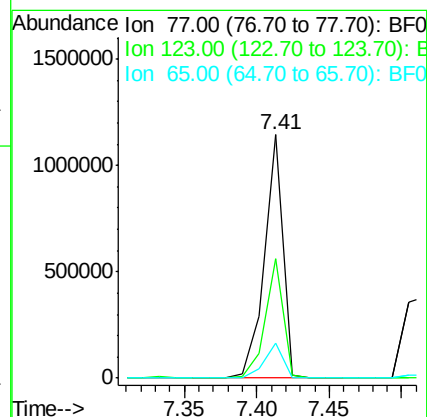
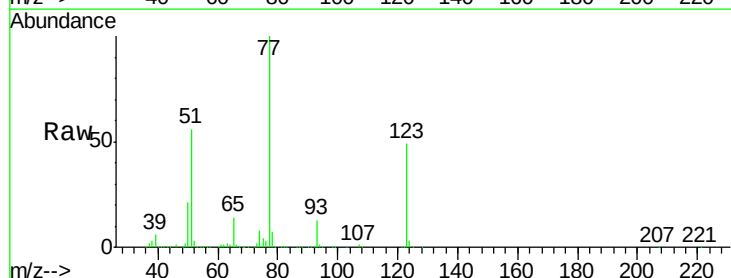
Lab File: BF084500.D

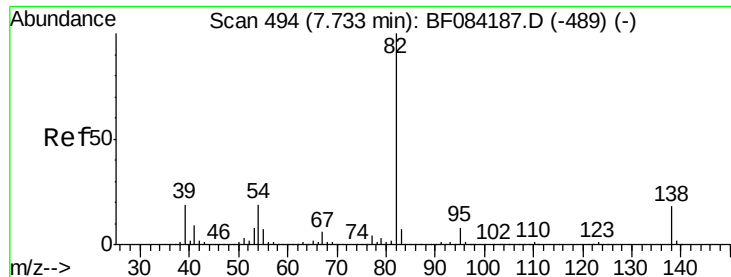
Acq: 15 Jan 2016 19:34

Tgt Ion: 77 Resp: 1007801

Ion Ratio Lower Upper

77	100		
123	48.9	37.4	56.2
65	14.4	10.9	16.3





#25

Isophorone

Concen: 44.46 ng

RT: 7.65 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

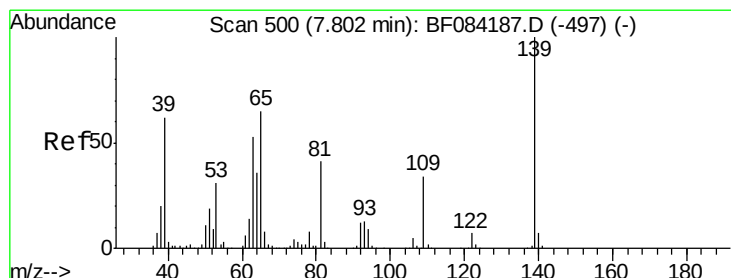
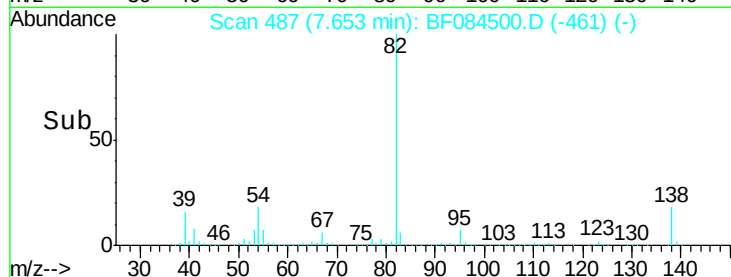
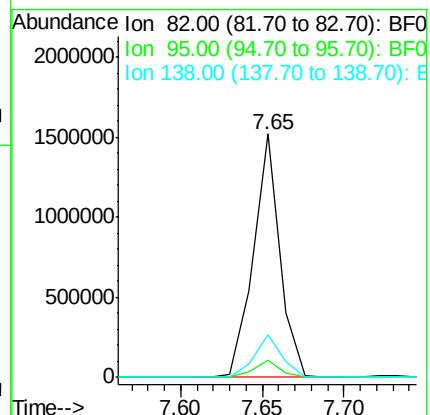
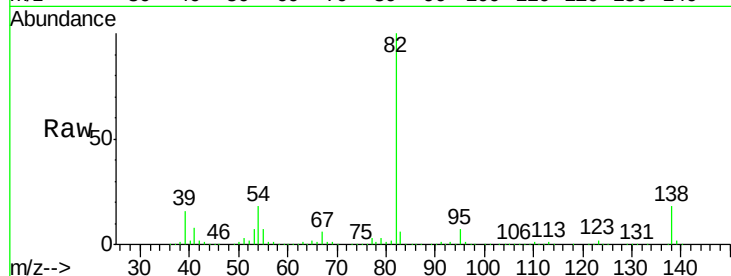
Tot Ion: 82 Resp: 1707891

Ion Ratio Lower Upper

82 100

95 7.2 6.6 10.0

138 17.8 13.6 20.4



#26

2-Nitrophenol

Concen: 54.94 ng

RT: 7.73 min Scan# 494

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

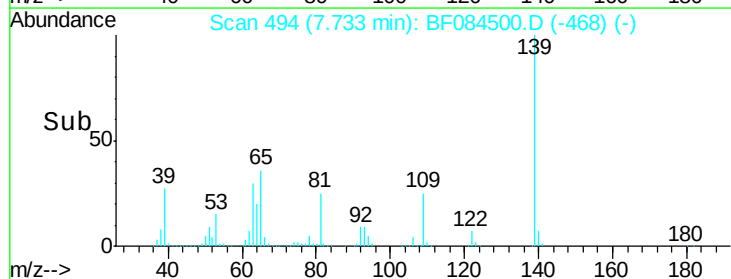
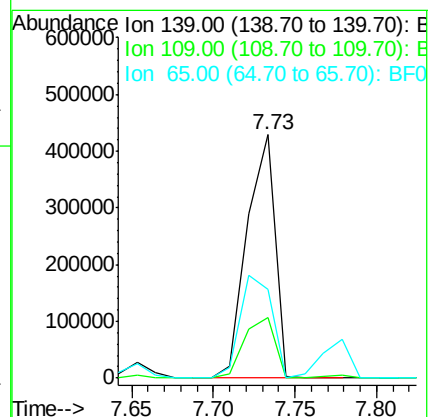
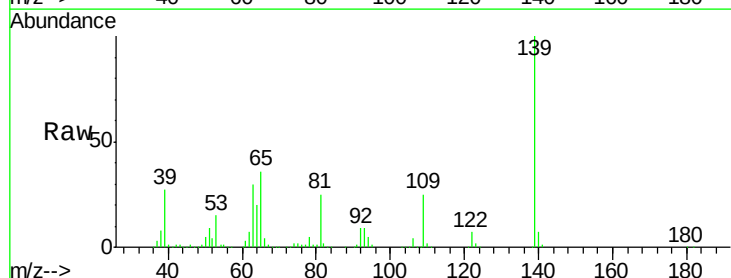
Tgt Ion: 139 Resp: 509418

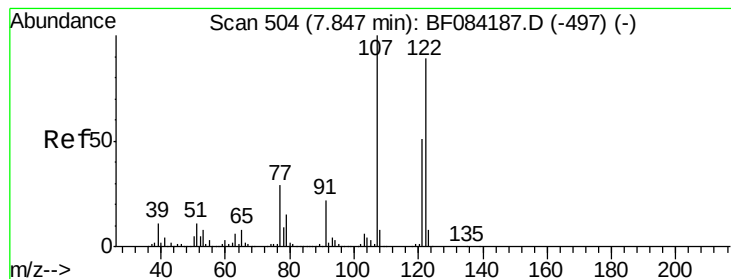
Ion Ratio Lower Upper

139 100

109 24.9 25.4 38.2#

65 36.3 32.3 48.5





#27

2,4-Dimethylphenol

Concen: 46.97 ng

RT: 7.78 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

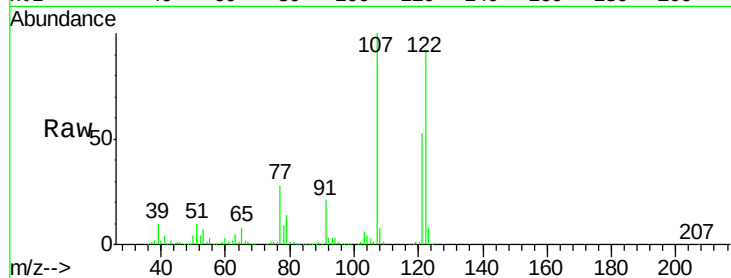
Tot Ion:122 Resp: 881588

Ion Ratio Lower Upper

122 100

107 109.2 99.1 148.7

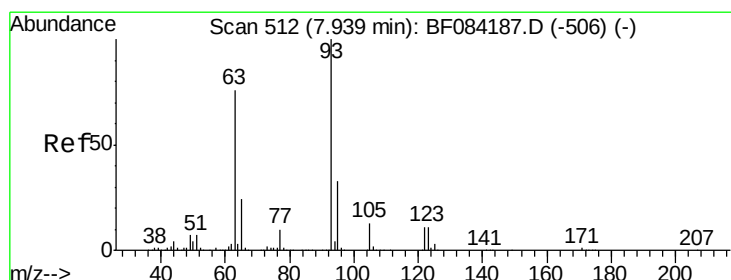
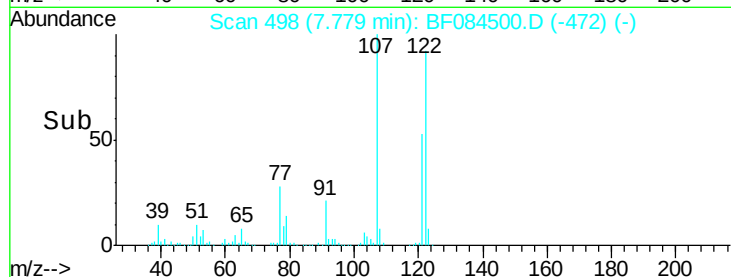
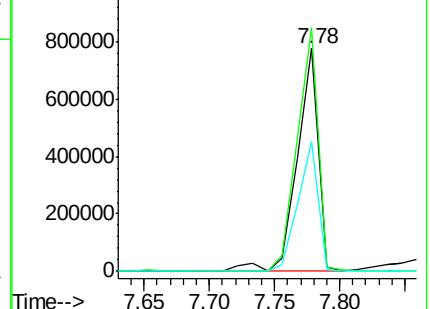
121 57.9 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 48.84 ng

RT: 7.87 min Scan# 506

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

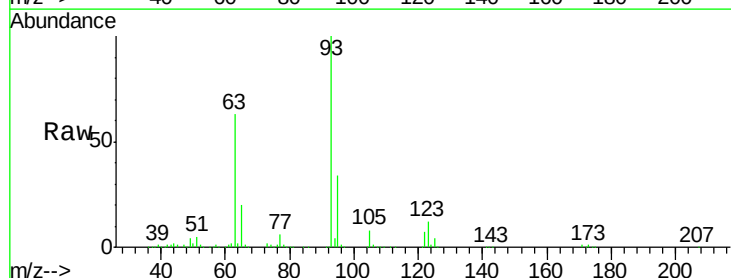
Tgt Ion: 93 Resp: 1146022

Ion Ratio Lower Upper

93 100

95 33.6 25.8 38.6

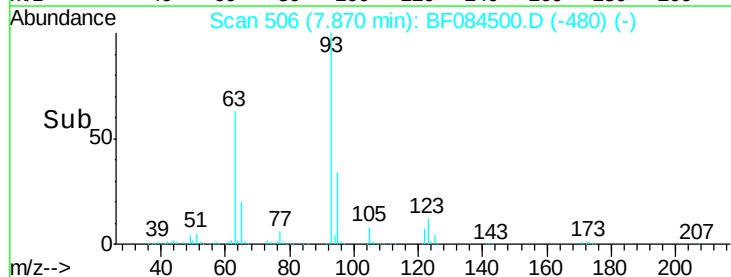
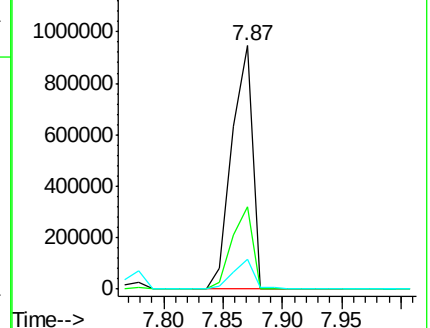
123 12.4 8.6 12.8

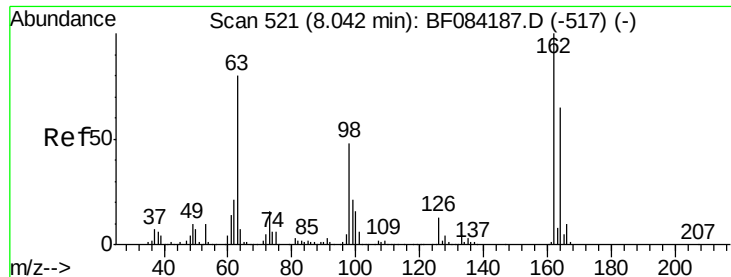


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

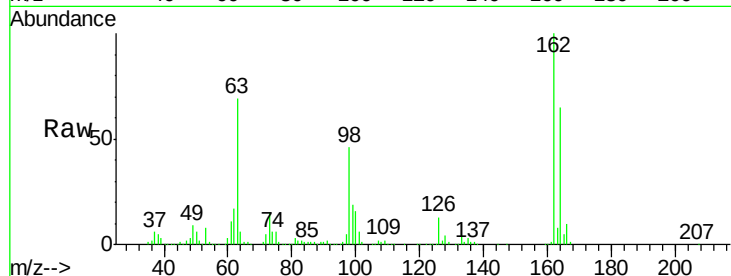




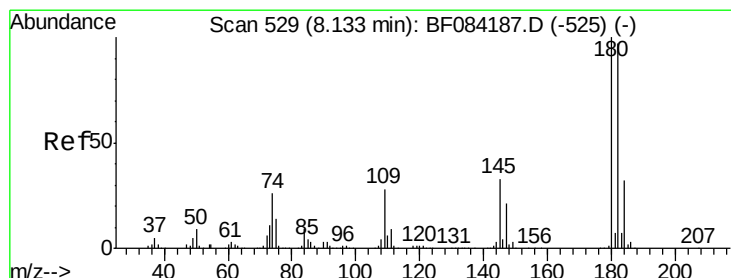
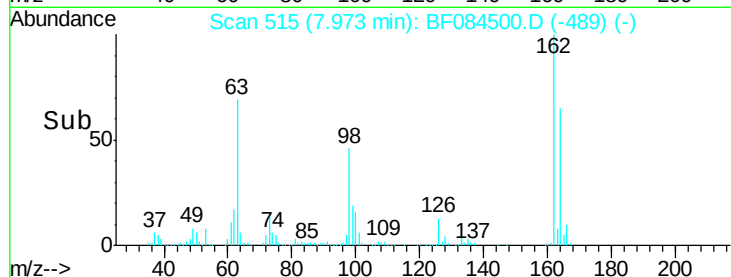
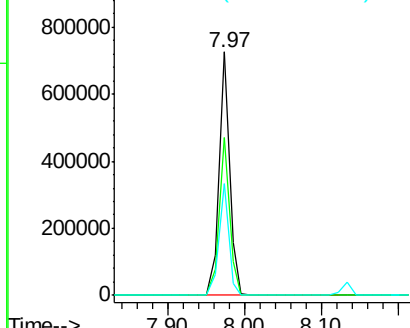
#29
2,4-Dichlorophenol
Concen: 44.65 ng
RT: 7.97 min Scan# 515
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Instrument :
BNA_F
ClientSampled :
CLAYMS

Tot Ion:162 Resp: 698056
Ion Ratio Lower Upper
162 100
164 64.9 44.1 84.1
98 45.7 20.2 60.2

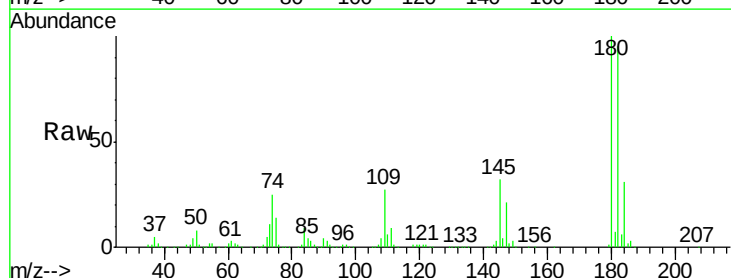


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

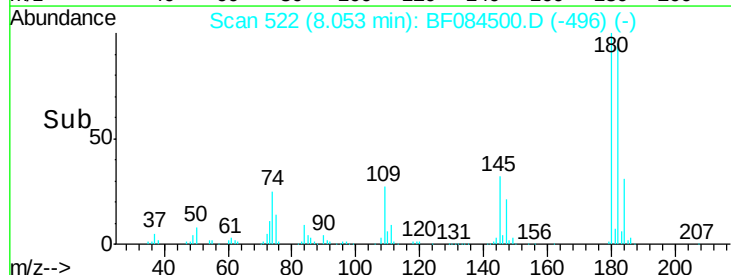
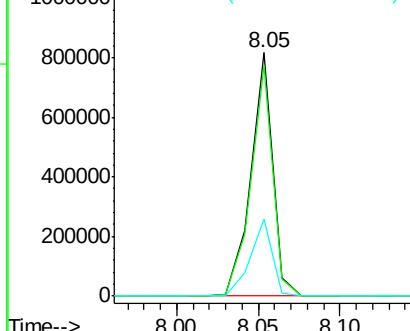


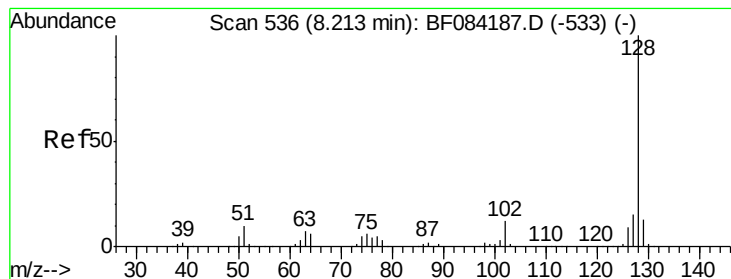
#30
1,2,4-Trichlorobenzene
Concen: 46.91 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:180 Resp: 757087
Ion Ratio Lower Upper
180 100
182 94.8 76.4 114.6
145 31.8 31.6 47.4



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





#31

Naphthalene

Concen: 45.39 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

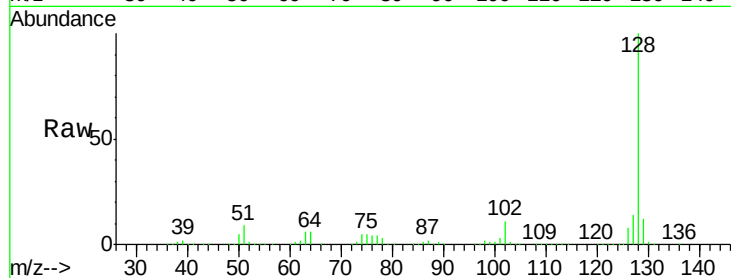
Tot Ion:128 Resp: 2302055

Ion Ratio Lower Upper

128 100

129 12.3 9.1 13.7

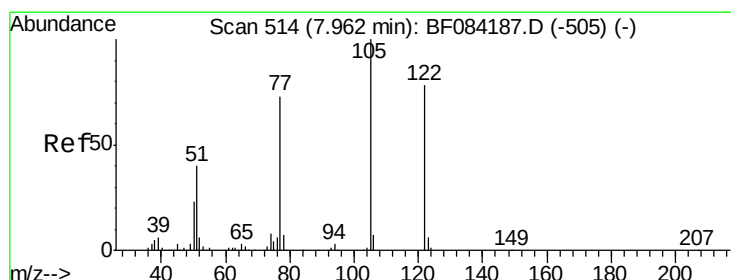
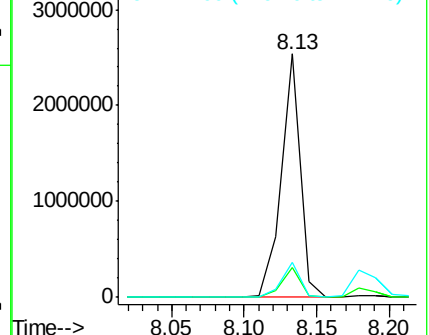
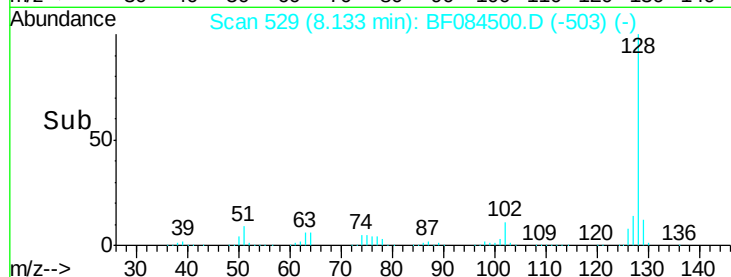
127 14.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 23.22 ng

RT: 7.88 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

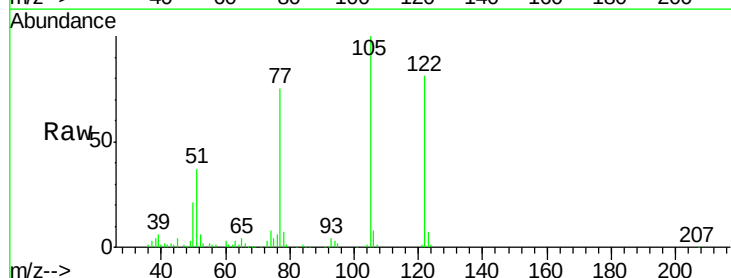
Tgt Ion:122 Resp: 235615

Ion Ratio Lower Upper

122 100

105 122.9 100.3 140.3

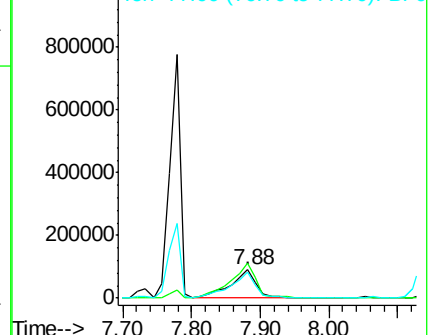
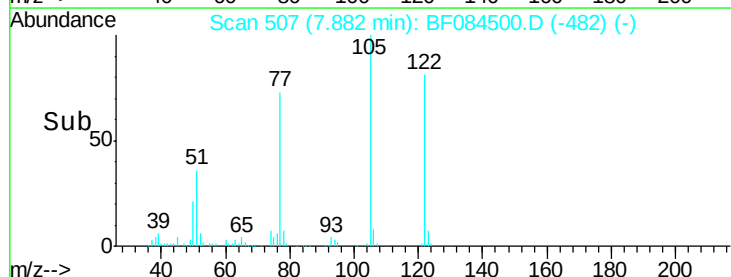
77 91.9 63.5 103.5

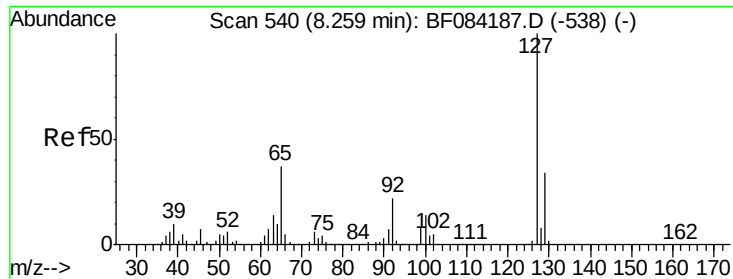


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

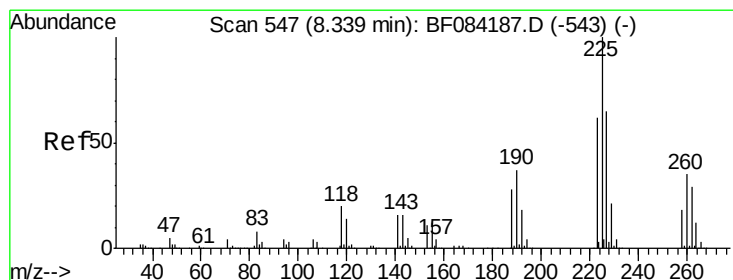
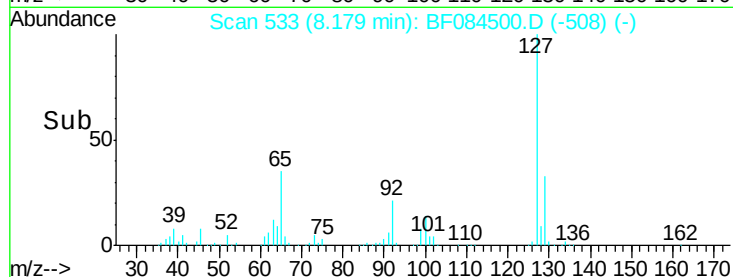
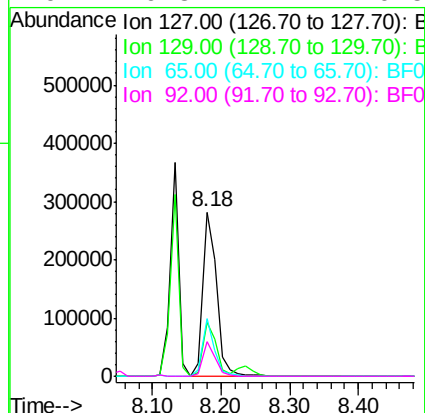
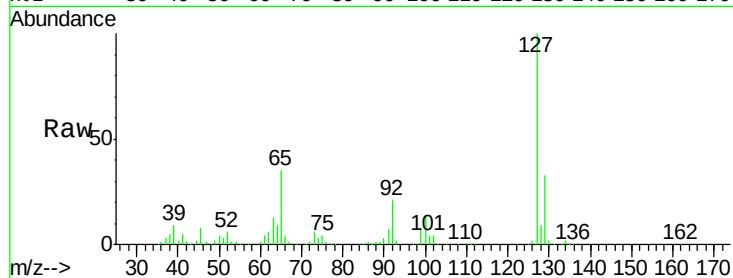




#33
4-Chloroaniline
Concen: 16.67 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

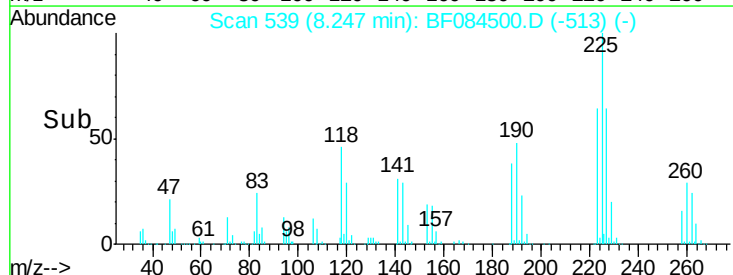
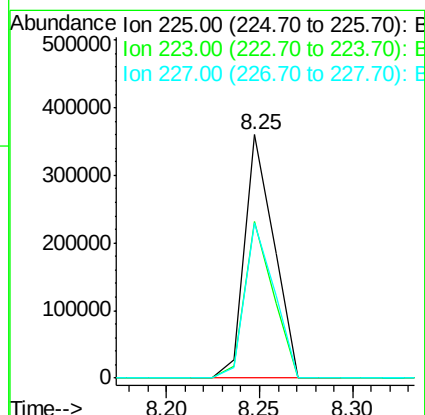
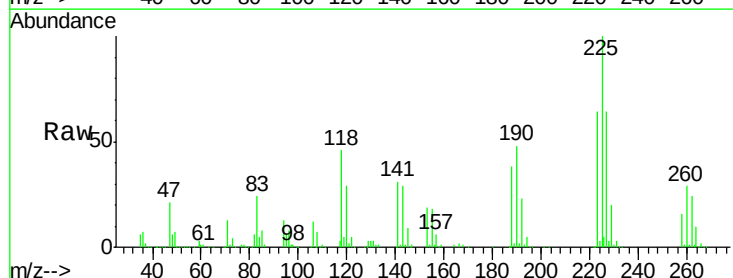
Instrument :
BNA_F
ClientSampleId :
CLAYMS

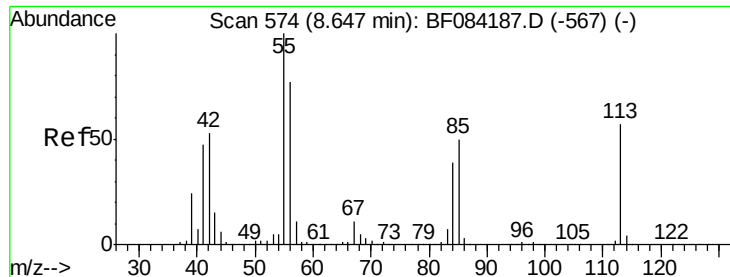
Tot Ion:	127	Resp:	387542
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.5	39.7
65	35.1	27.2	40.8
92	20.8	17.7	26.5



#34
Hexachlorobutadiene
Concen: 42.35 ng
RT: 8.25 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:	225	Resp:	392920
Ion	Ratio	Lower	Upper
225	100		
223	64.4	49.4	74.0
227	63.9	50.8	76.2





#35

Caprolactam

Concen: 46.59 ng/ml

RT: 8.57 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleID :

CLAYMS

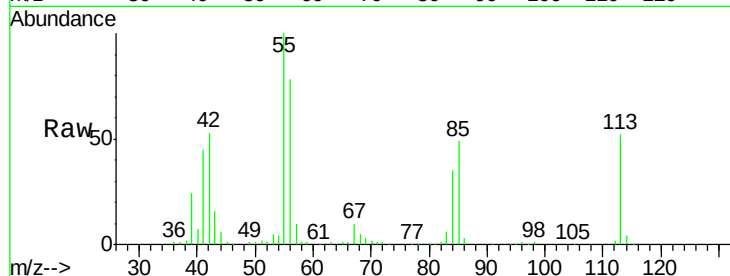
Tot Ion:113 Resp: 245509

Ion Ratio Lower Upper

113 100

55 192.2 116.9 156.9#

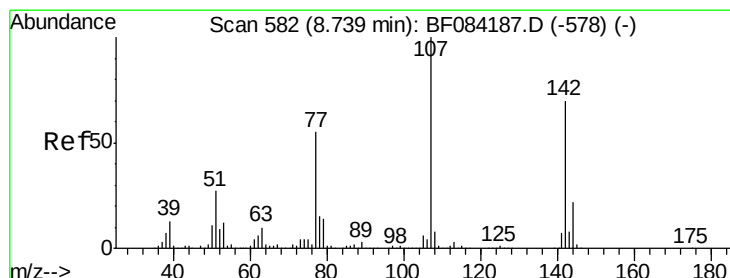
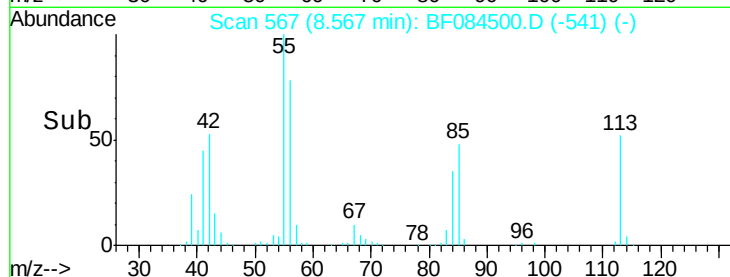
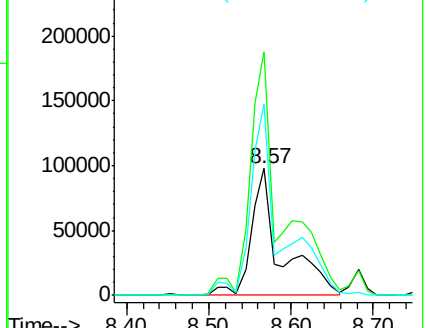
56 150.4 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 44.46 ng/ml

RT: 8.68 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

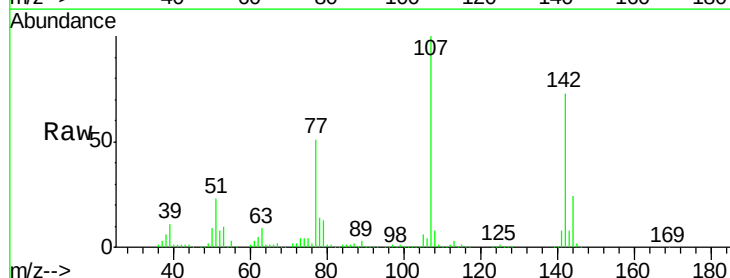
Tgt Ion:107 Resp: 778484

Ion Ratio Lower Upper

107 100

144 23.8 19.7 29.5

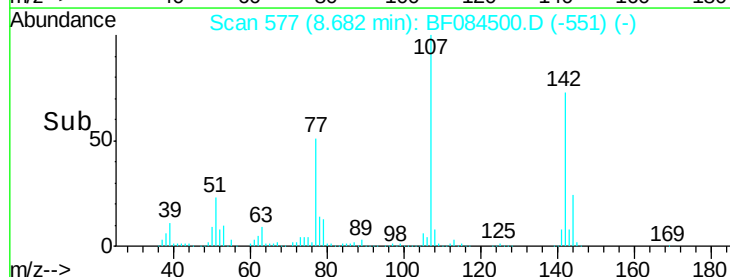
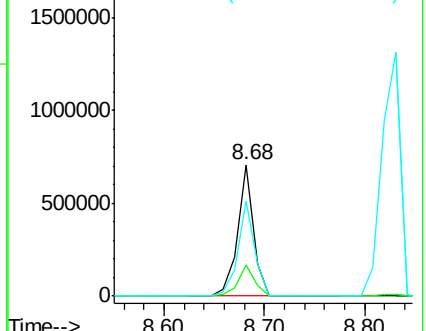
142 72.9 61.8 92.6

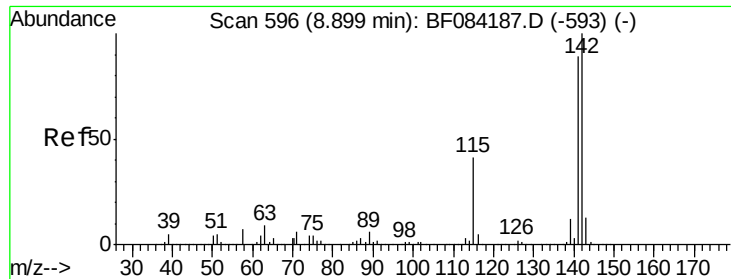


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

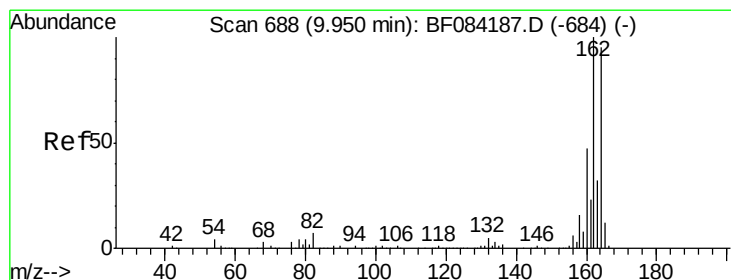
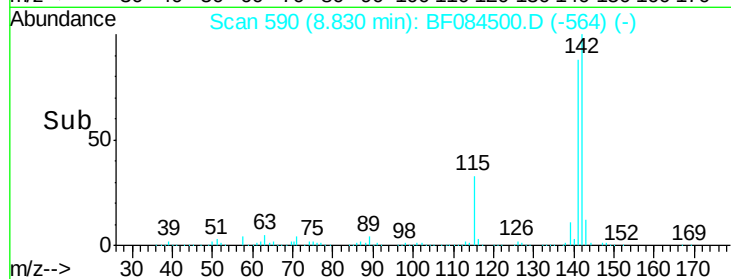
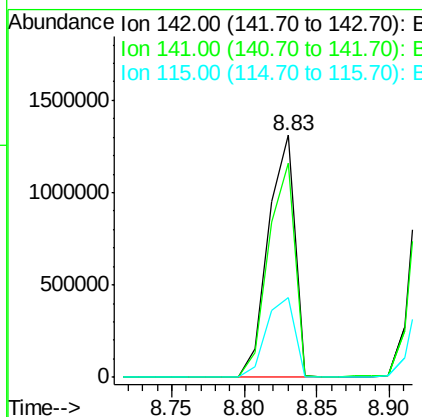
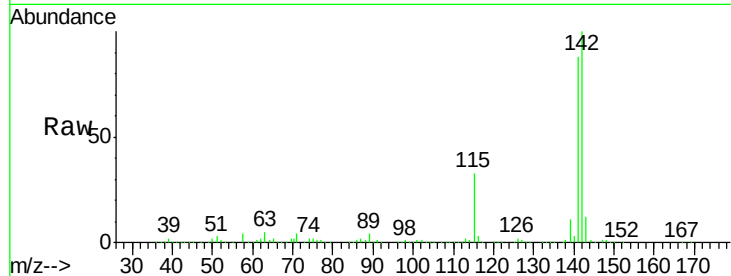




#37
2-Methylnaphthalene
Concen: 45.59 ng
RT: 8.83 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

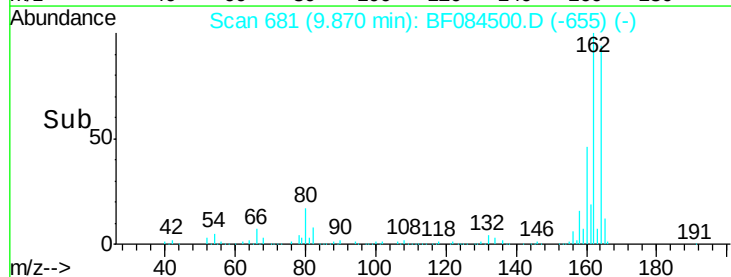
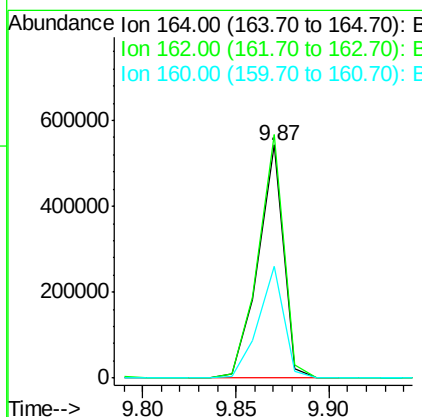
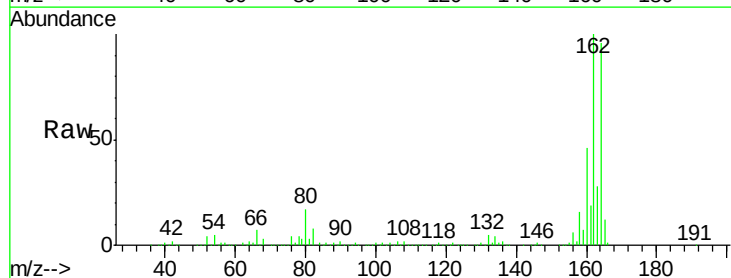
Instrument :
BNA_F
ClientSampleId :
CLAYMS

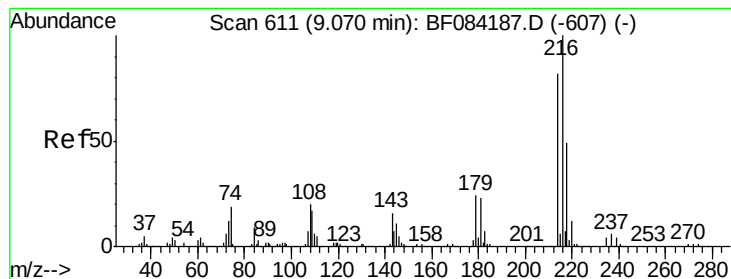
Tot Ion:142 Resp: 1659902
Ion Ratio Lower Upper
142 100
141 88.4 72.4 108.6
115 32.9 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:164 Resp: 519562
Ion Ratio Lower Upper
164 100
162 104.4 85.1 127.7
160 48.2 37.5 56.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 42.49 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

CLAYMS

Tot Ion:216 Resp: 634602

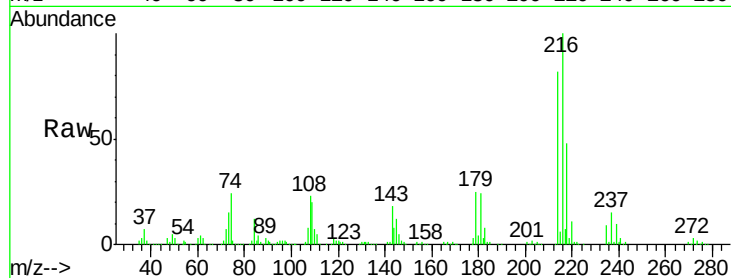
Ion Ratio Lower Upper

216 100

214 80.5 64.2 96.2

179 23.5 18.7 28.1

108 23.7 16.8 25.2

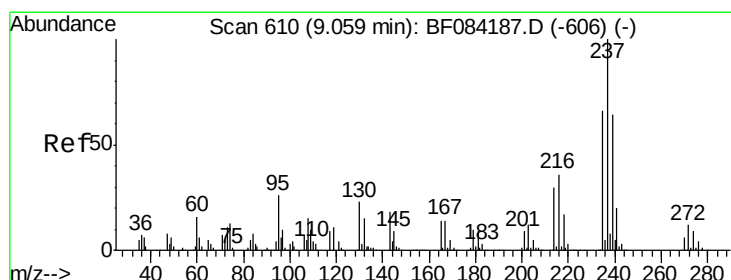
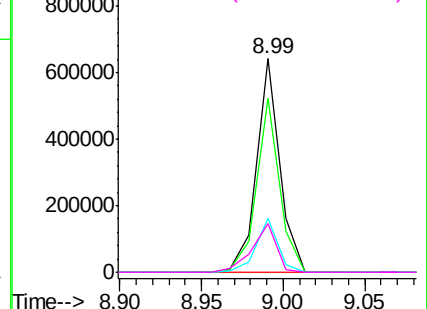
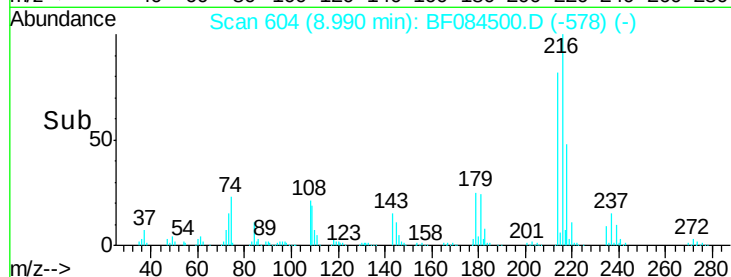


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 59.22 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

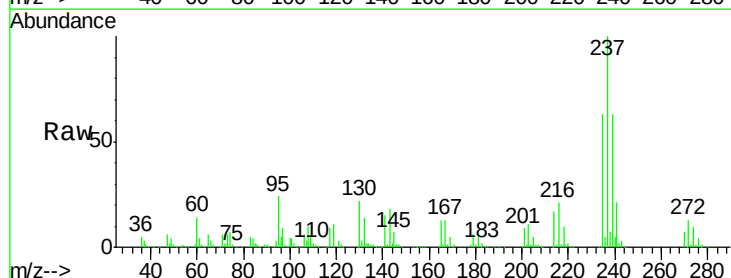
Tgt Ion:237 Resp: 534001

Ion Ratio Lower Upper

237 100

235 63.3 43.1 83.1

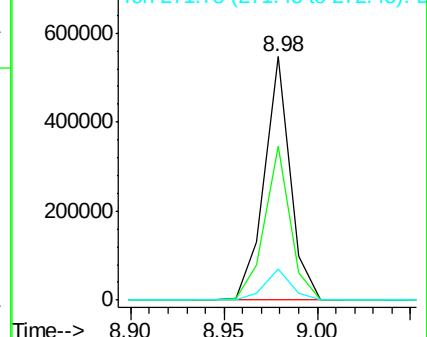
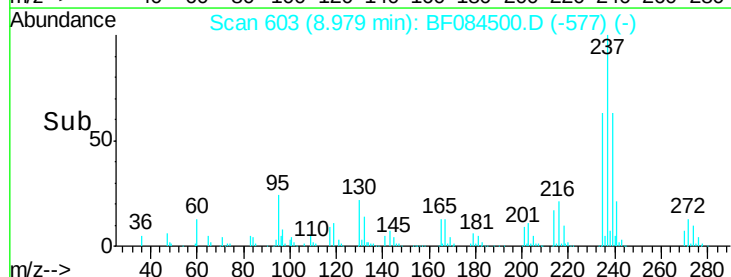
272 12.7 0.0 35.1

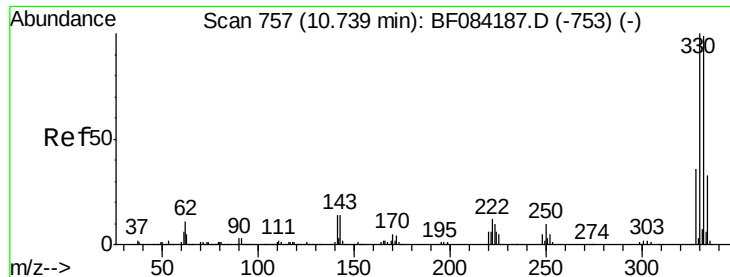


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

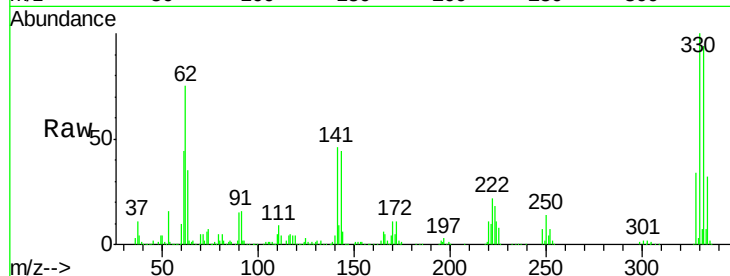




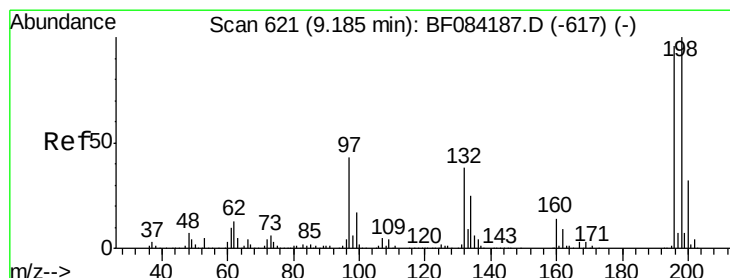
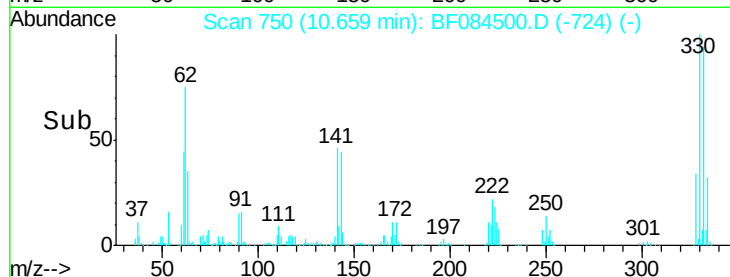
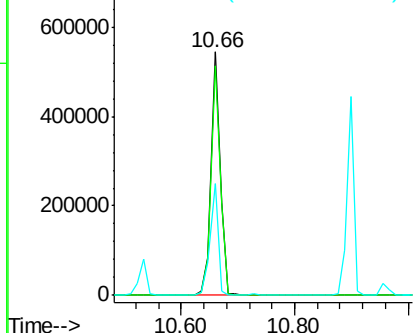
#41
 2,4,6-Tribromophenol
 Concen: 112.81 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

Tot Ion:330 Resp: 591749
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 39.6 27.8 41.6

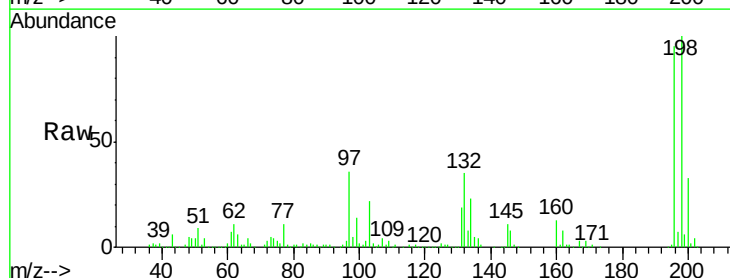


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

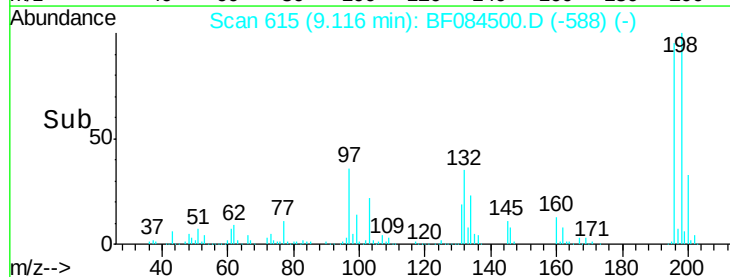
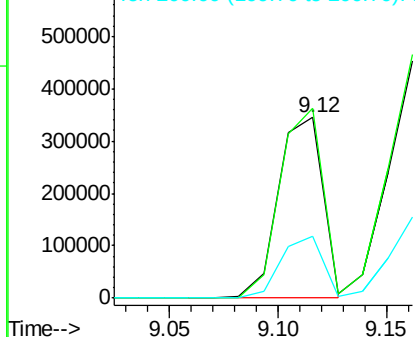


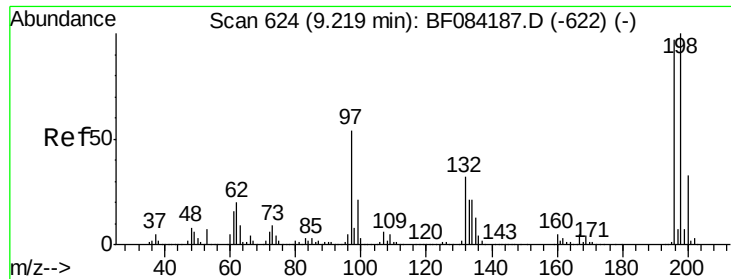
#42
 2,4,6-Trichlorophenol
 Concen: 44.08 ng
 RT: 9.12 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion:196 Resp: 492608
 Ion Ratio Lower Upper
 196 100
 198 104.9 77.7 116.5
 200 34.1 24.6 37.0



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

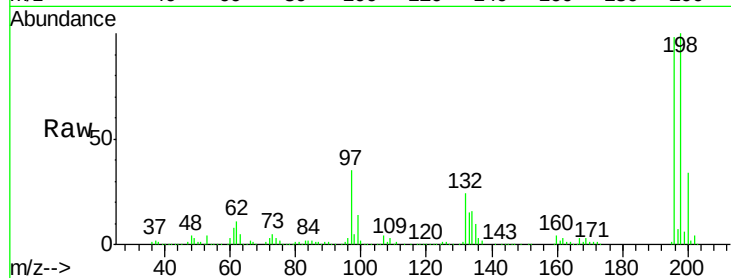




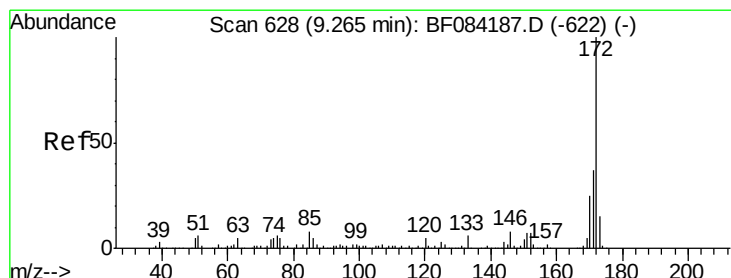
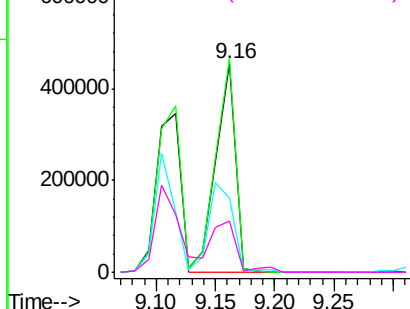
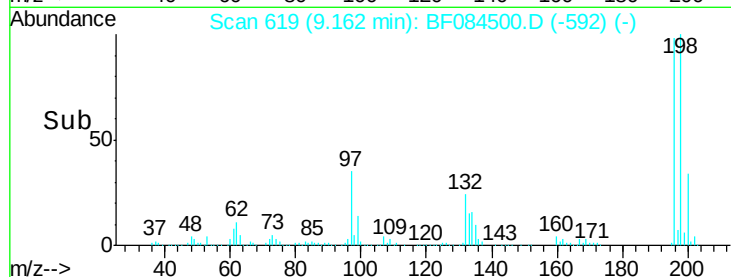
#43
 2,4,5-Trichlorophenol
 Concen: 48.18 ng
 RT: 9.16 min Scan# 619
 Delta R.T. 0.01 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

Tot Ion:196 Resp: 516113
 Ion Ratio Lower Upper
 196 100
 198 102.4 79.0 118.6
 97 35.6 33.0 49.6
 132 24.8 21.1 31.7

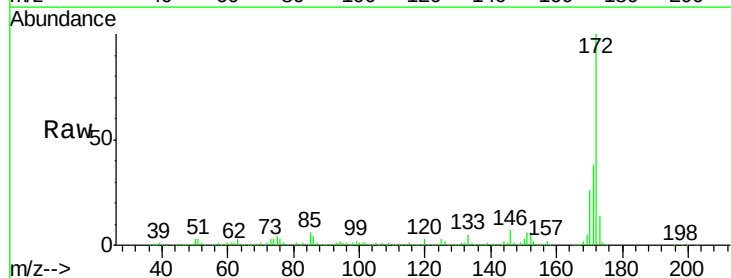


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

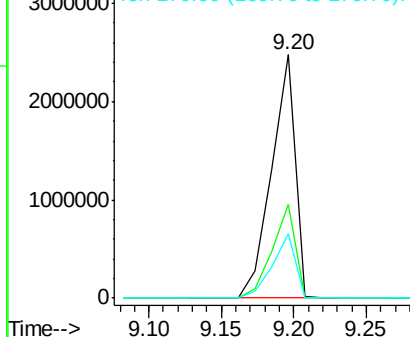
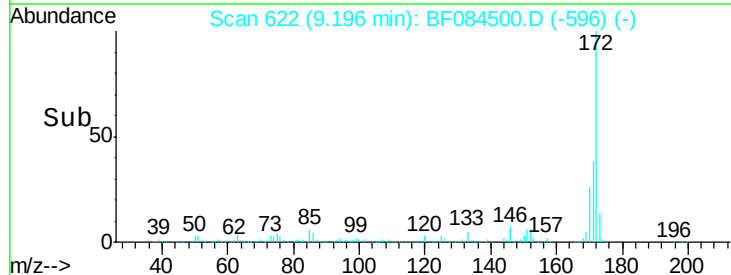


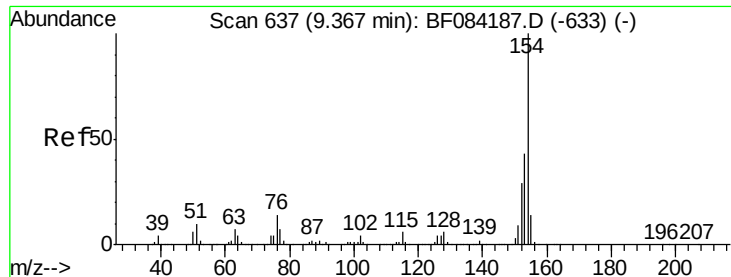
#44
 2-Fluorobiphenyl
 Concen: 95.83 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion:172 Resp: 2806524
 Ion Ratio Lower Upper
 172 100
 171 38.5 28.9 43.3
 170 26.3 18.6 27.8



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

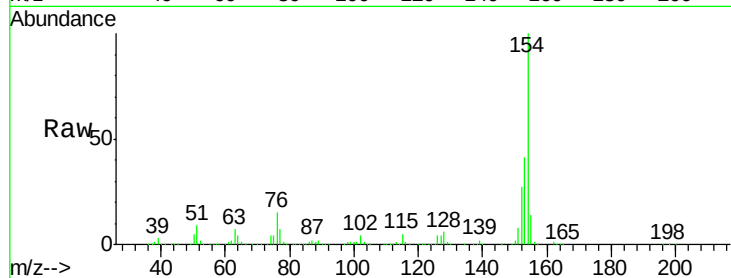




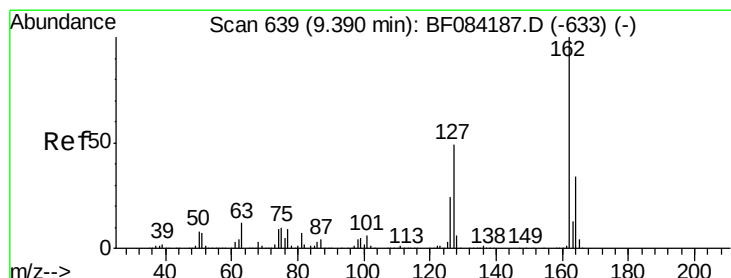
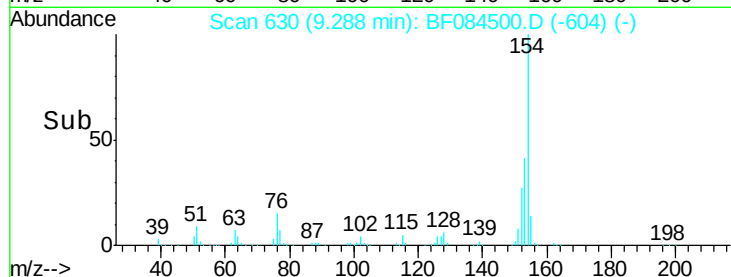
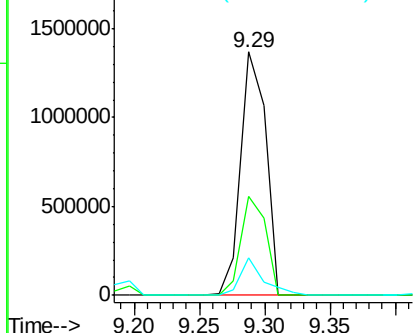
#45
 1,1'-Biphenyl
 Concen: 44.23 ng
 RT: 9.29 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

Tot Ion:154 Resp: 1826210
 Ion Ratio Lower Upper
 154 100
 153 40.6 21.6 61.6
 76 15.2 0.0 32.7

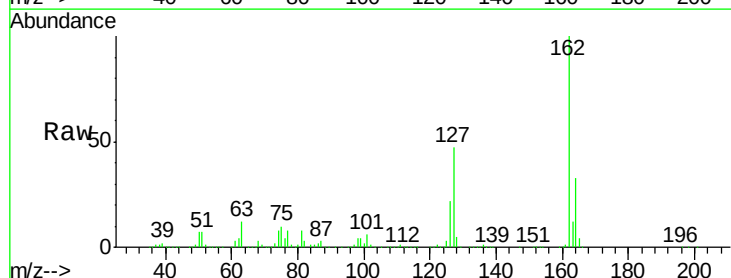


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

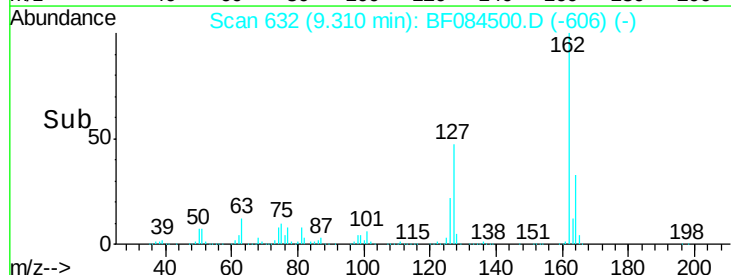
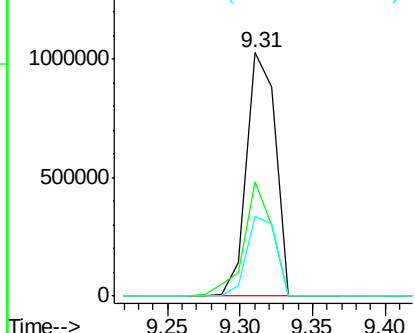


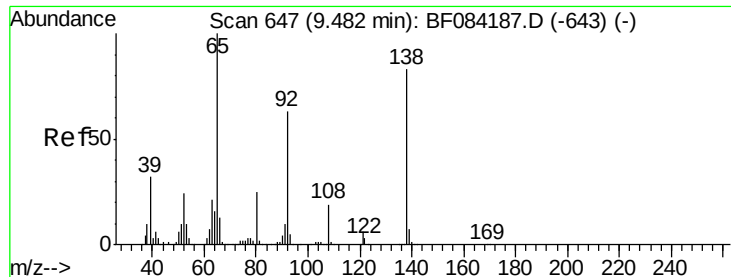
#46
 2-Chloronaphthalene
 Concen: 43.72 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion:162 Resp: 1417979
 Ion Ratio Lower Upper
 162 100
 127 46.8 40.2 60.4
 164 32.5 25.7 38.5



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

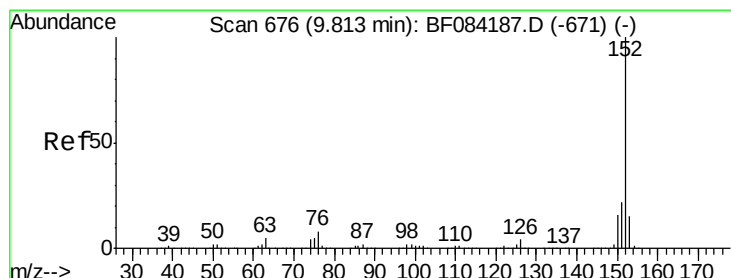
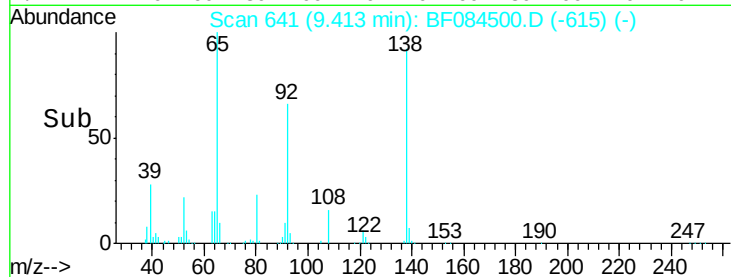
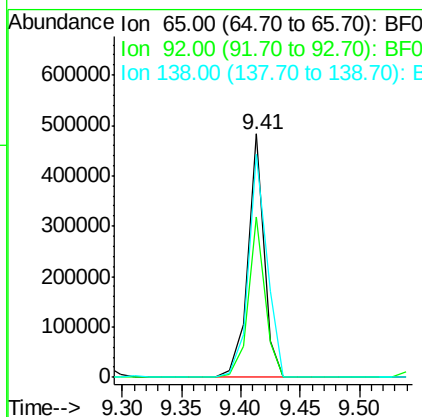
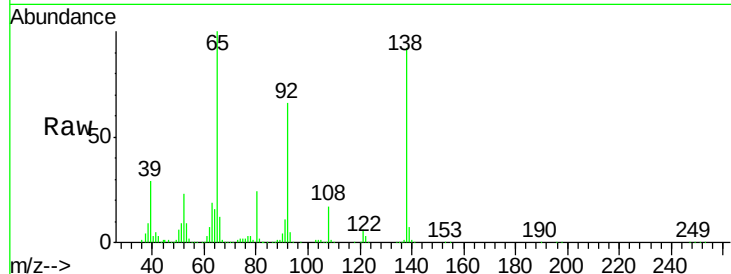




#47
 2-Nitroaniline
 Concen: 43.30 ng
 RT: 9.41 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

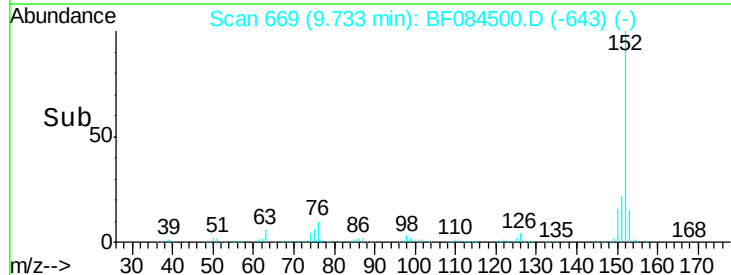
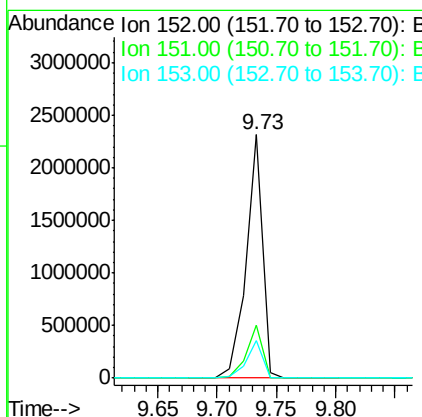
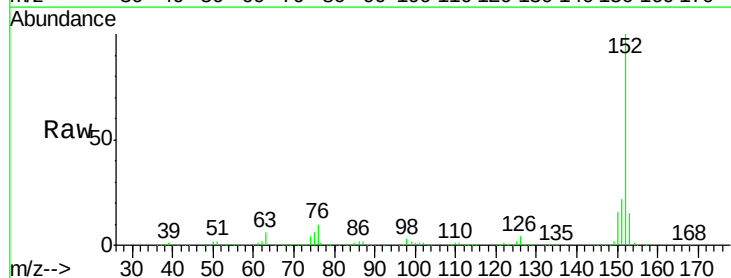
Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

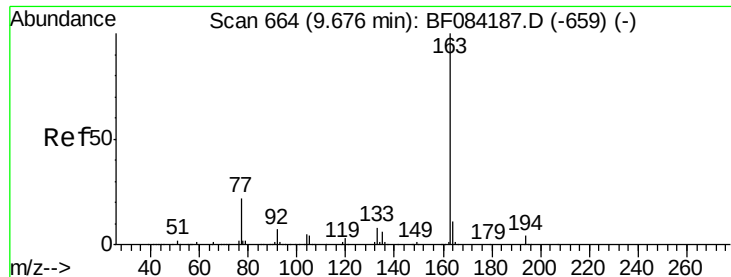
Tot Ion: 65 Resp: 463492
 Ion Ratio Lower Upper
 65 100
 92 65.9 53.4 80.2
 138 91.7 71.1 106.7



#48
 Acenaphthylene
 Concen: 46.42 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion: 152 Resp: 2224344
 Ion Ratio Lower Upper
 152 100
 151 21.7 16.3 24.5
 153 15.3 10.4 15.6





#49

Dimethylphthalate

Concen: 67.32 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

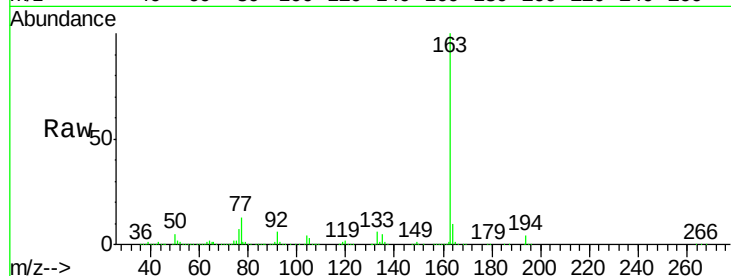
Tot Ion:163 Resp: 2500594

Ion Ratio Lower Upper

163 100

194 4.0 8.0 12.0#

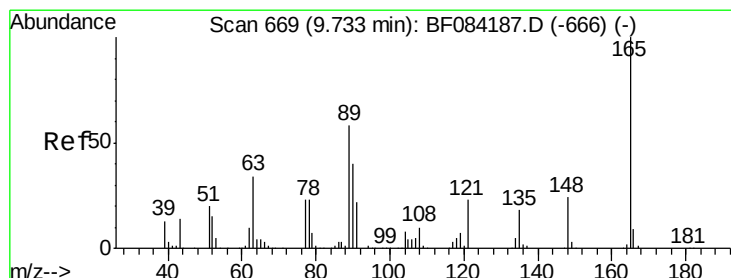
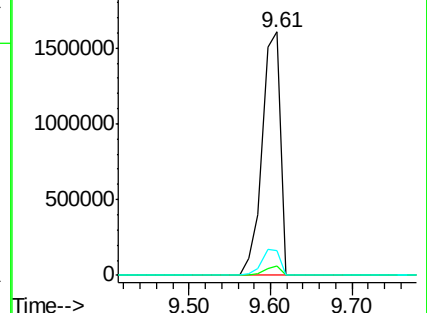
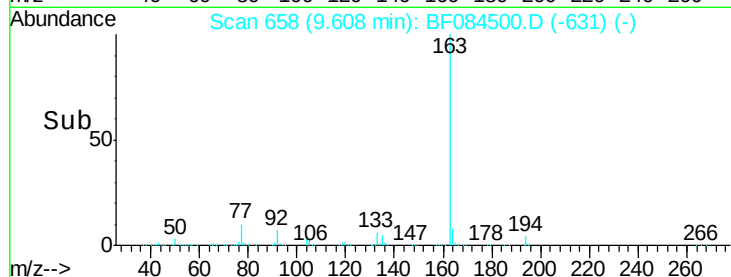
164 10.4 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 50.55 ng

RT: 9.66 min Scan# 663

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

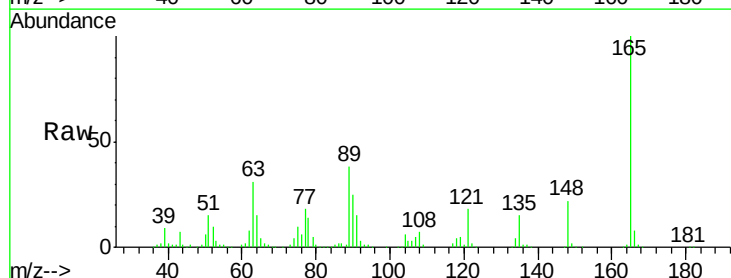
Tgt Ion:165 Resp: 411838

Ion Ratio Lower Upper

165 100

63 31.4 28.8 43.2

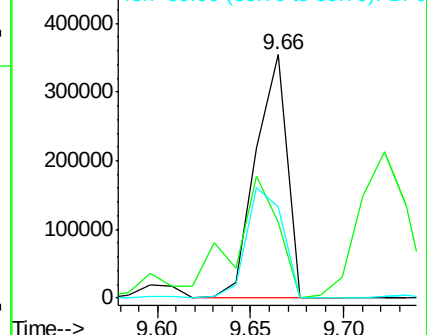
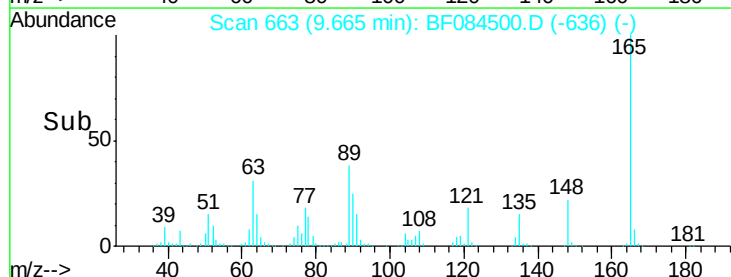
89 37.6 35.1 52.7

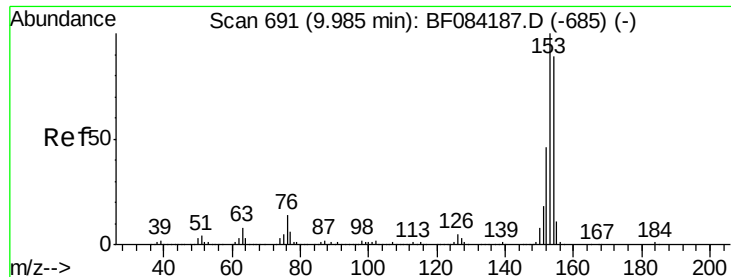


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 48.89 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

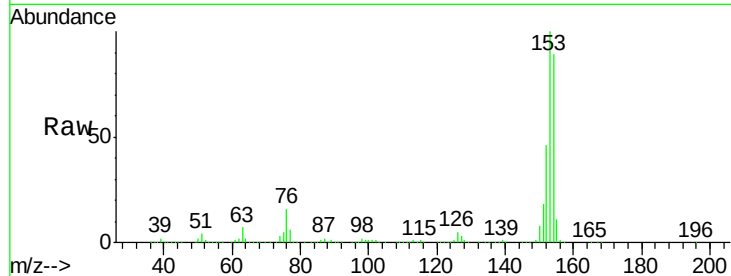
Tot Ion:154 Resp: 1571522

Ion Ratio Lower Upper

154 100

153 112.5 91.5 137.3

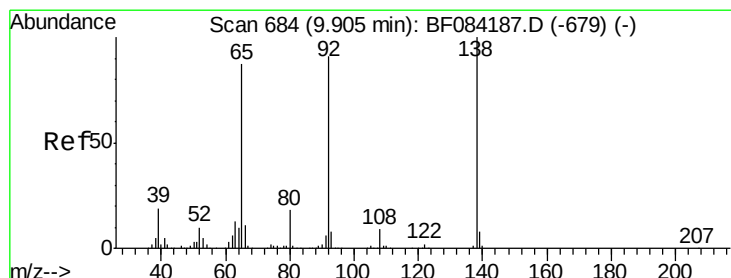
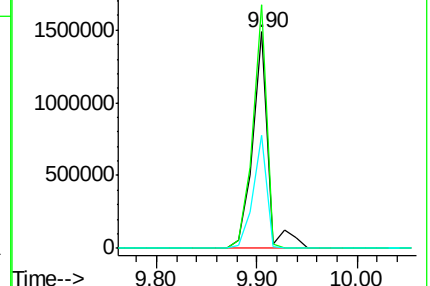
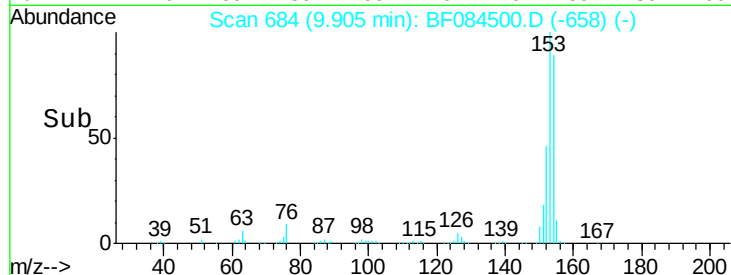
152 51.9 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 26.18 ng

RT: 9.82 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

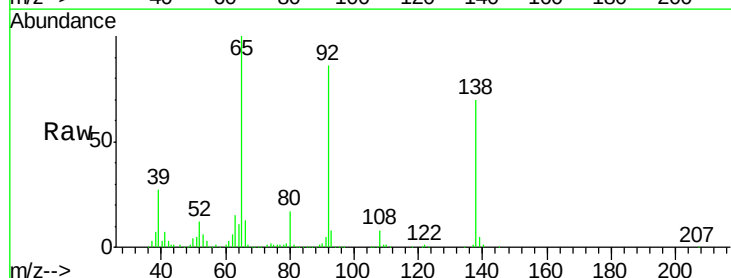
Tgt Ion:138 Resp: 264322

Ion Ratio Lower Upper

138 100

108 11.1 10.5 15.7

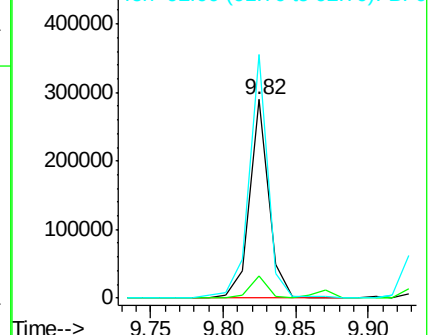
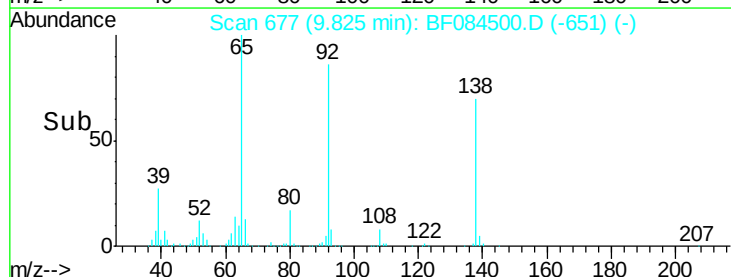
92 122.7 103.9 155.9

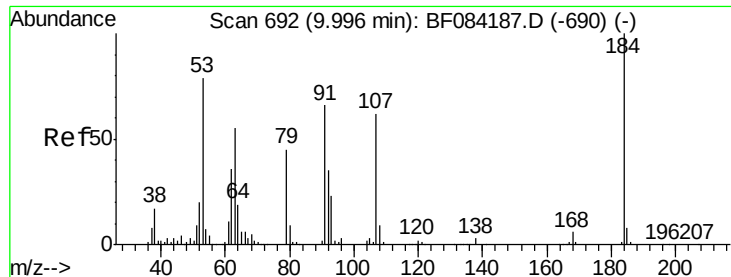


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 68.45 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

CLAYMS

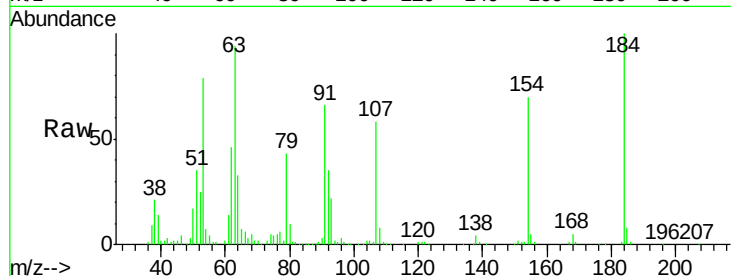
Tot Ion:184 Resp: 235689

Ion Ratio Lower Upper

184 100

63 93.8 43.1 64.7#

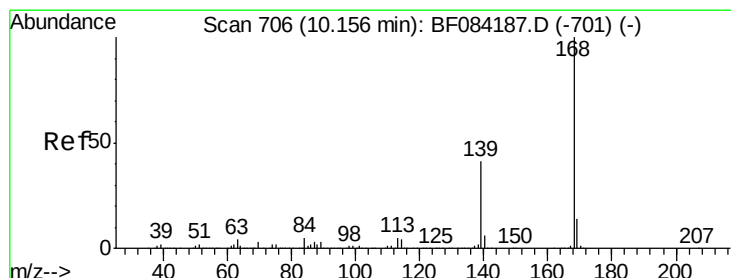
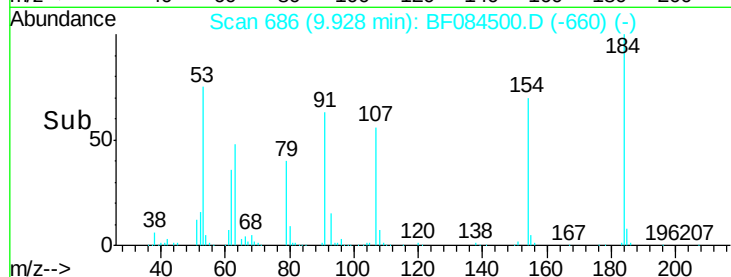
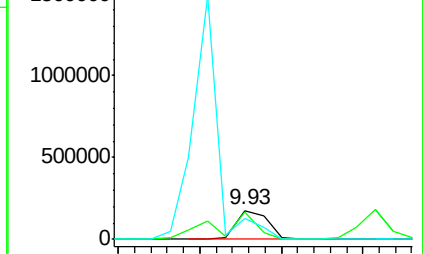
154 70.0 60.5 90.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 45.88 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

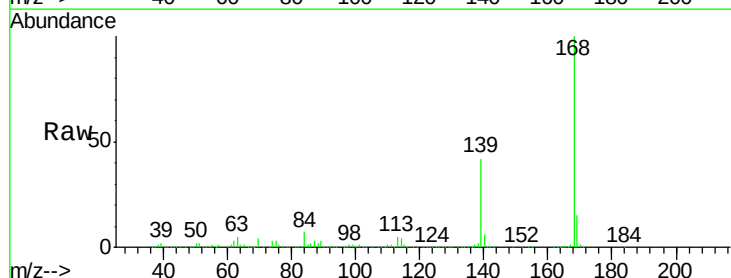
Tgt Ion:168 Resp: 1907636

Ion Ratio Lower Upper

168 100

139 42.5 30.5 45.7

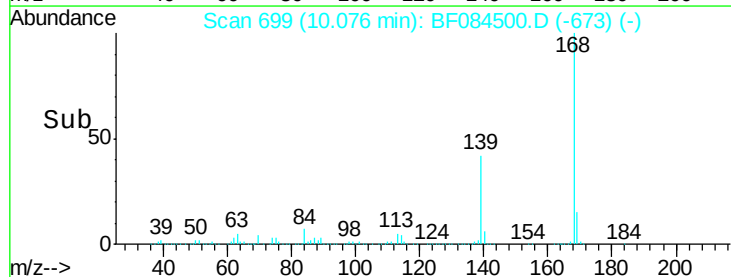
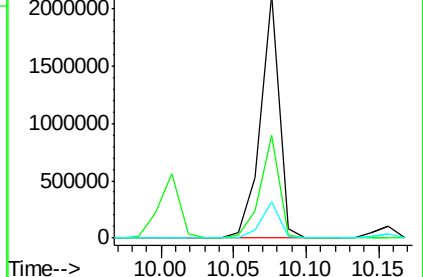
169 14.7 10.4 15.6

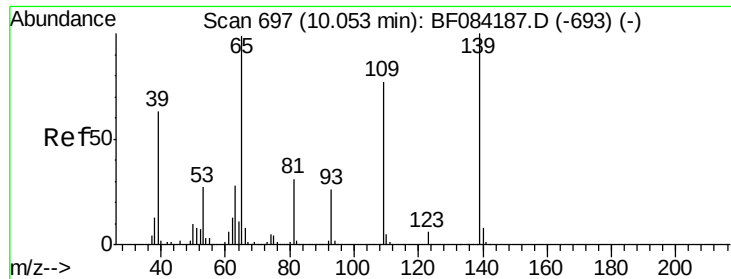


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

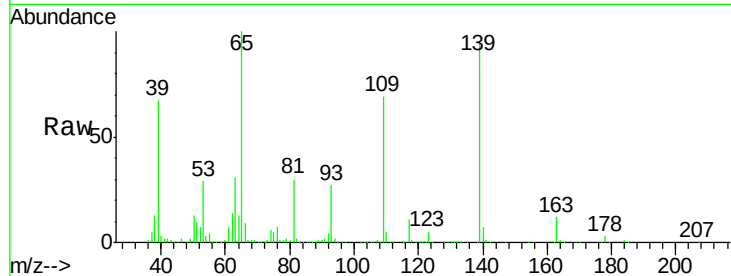




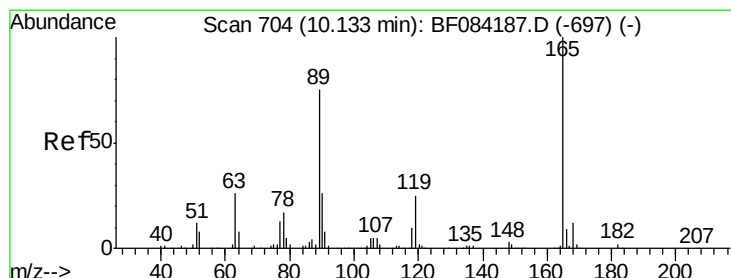
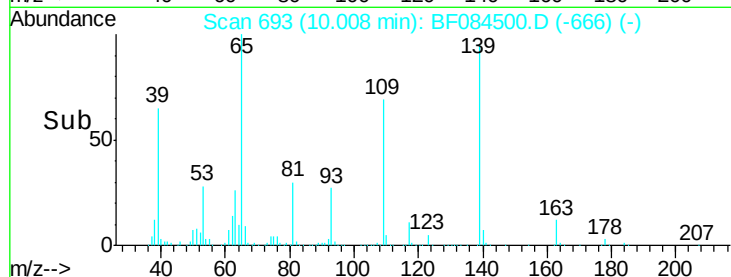
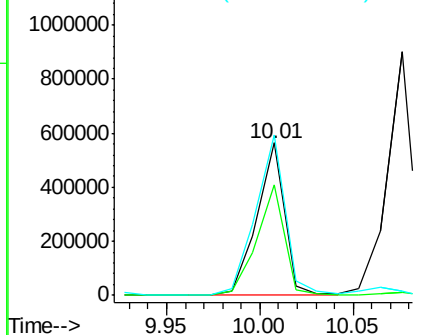
#55
4-Nitrophenol
Concen: 79.53 ng
RT: 10.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Instrument :
BNA_F
ClientSampleId :
CLAYMS

Tot Ion:139 Resp: 582782
Ion Ratio Lower Upper
139 100
109 72.6 58.5 98.5
65 105.4 57.6 97.6#

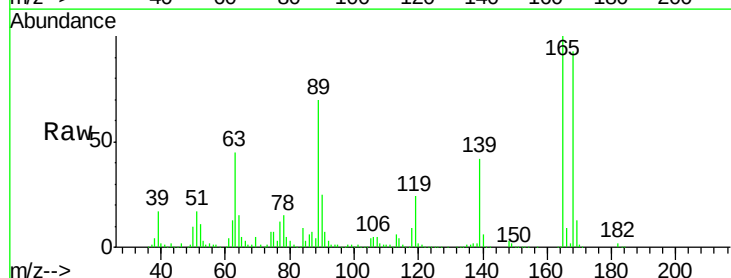


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

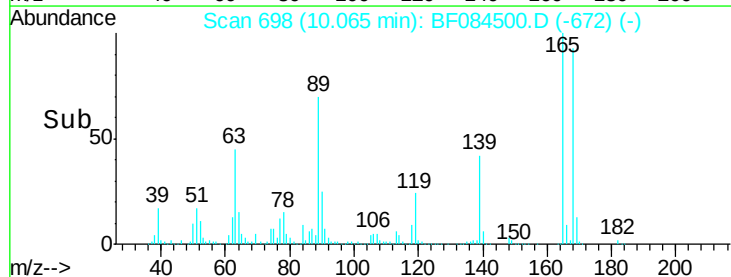
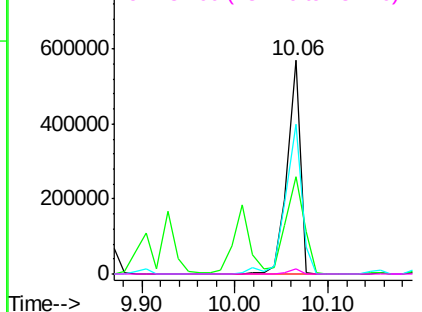


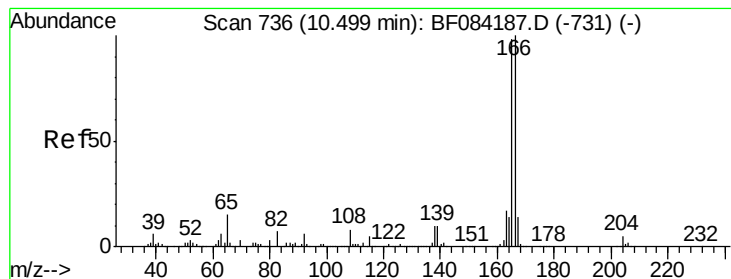
#56
2,4-Dinitrotoluene
Concen: 53.43 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:165 Resp: 550932
Ion Ratio Lower Upper
165 100
63 45.4 36.7 55.1
89 70.4 61.9 92.9
182 2.2 2.0 3.0



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





#57

Fluorene

Concen: 47.00 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

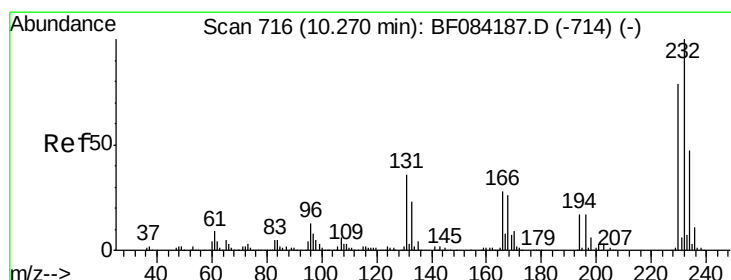
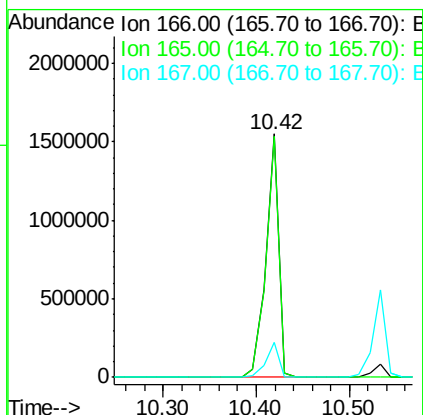
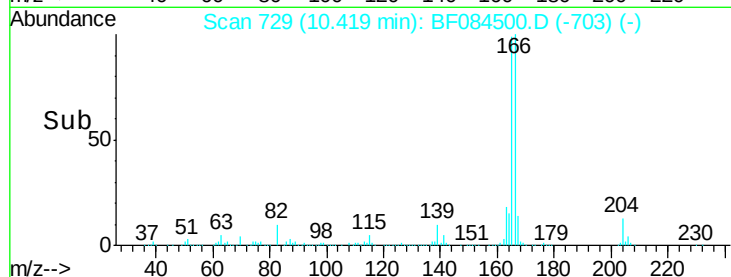
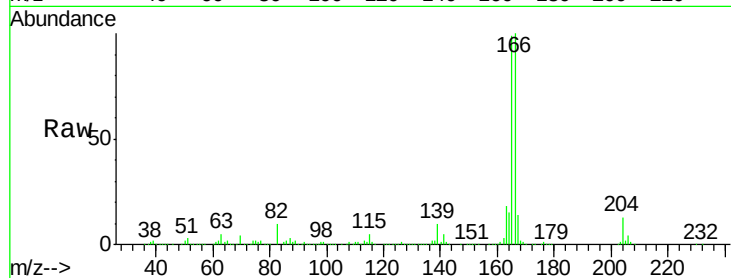
Tot Ion:166 Resp: 1509628

Ion Ratio Lower Upper

166 100

165 99.1 79.1 118.7

167 14.1 10.4 15.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 43.74 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Tgt Ion:232 Resp: 400041

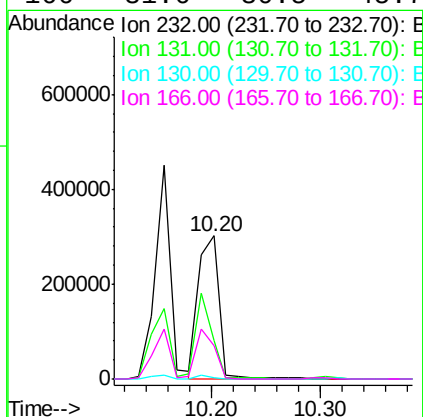
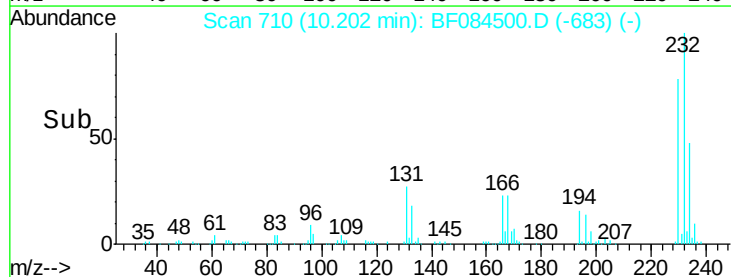
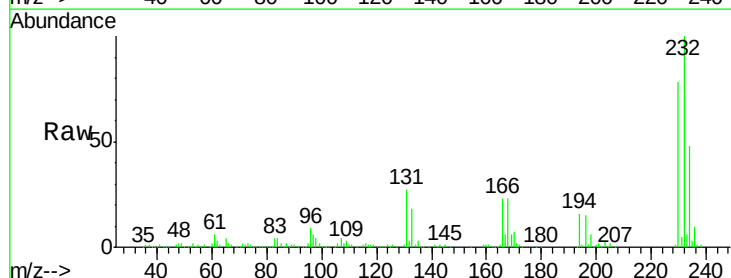
Ion Ratio Lower Upper

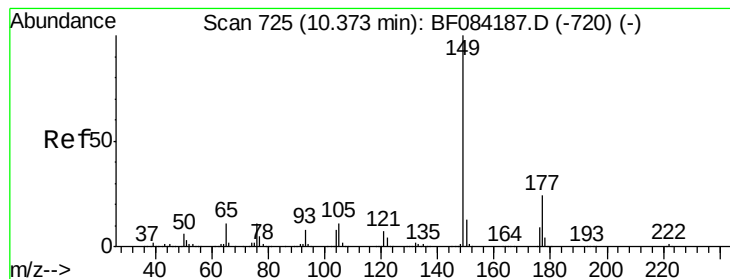
232 100

131 48.3 47.0 70.6

130 2.1 2.0 3.0

166 31.6 30.5 45.7





#59

Diethylphthalate

Concen: 46.36 ng

RT: 10.30 min Scan# 719

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

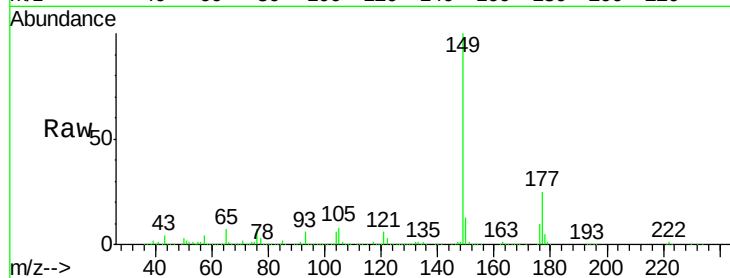
Tot Ion:149 Resp: 1697722

Ion Ratio Lower Upper

149 100

177 25.1 17.3 25.9

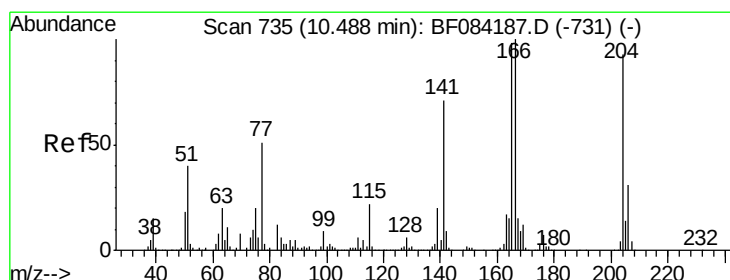
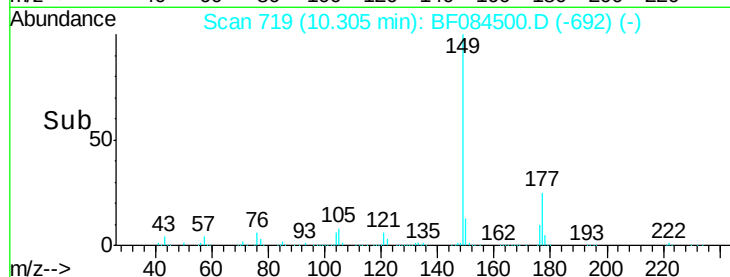
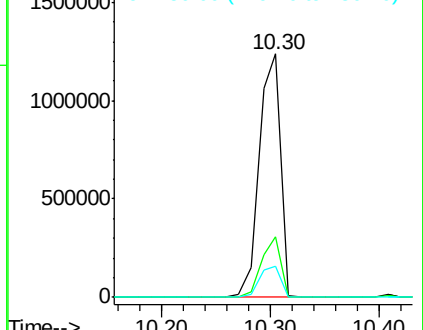
150 12.6 9.8 14.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 46.48 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

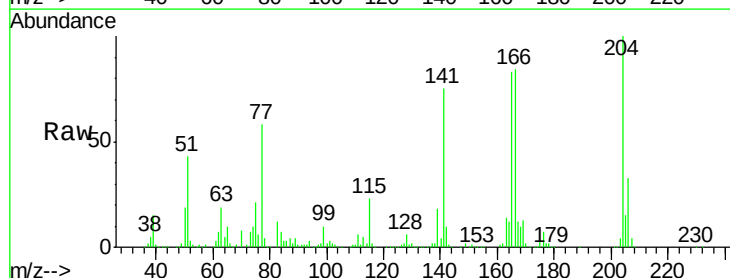
Tgt Ion:204 Resp: 627745

Ion Ratio Lower Upper

204 100

206 32.9 25.7 38.5

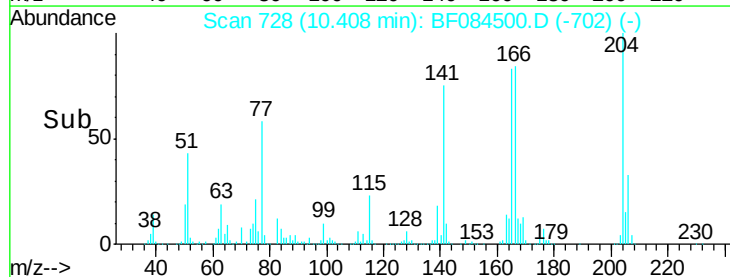
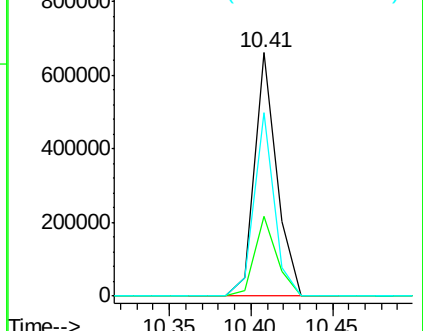
141 75.3 55.1 82.7

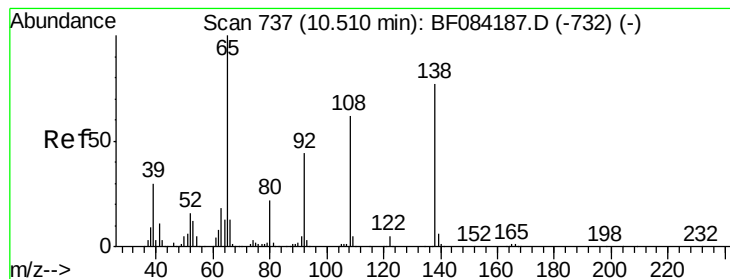


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 41.05 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

CLAYMS

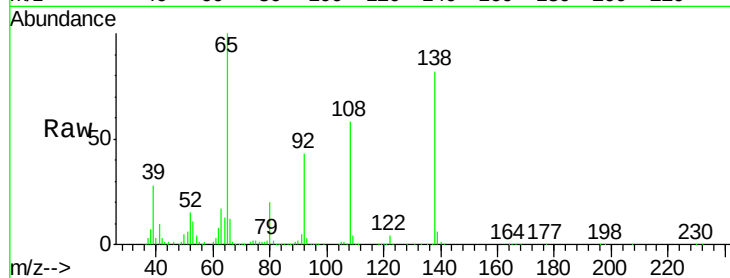
Tot Ion:138 Resp: 369347

Ion Ratio Lower Upper

138 100

92 53.2 32.6 72.6

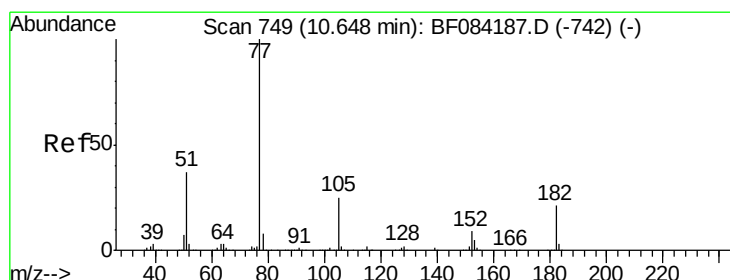
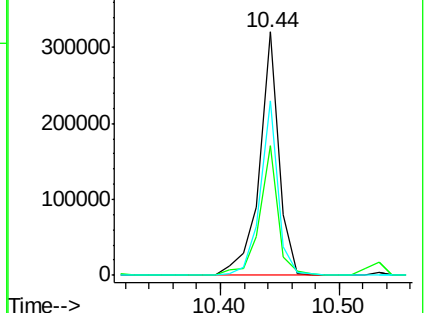
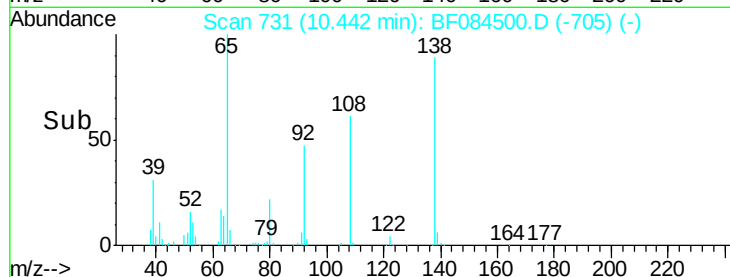
108 71.5 68.6 108.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 41.89 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Tgt Ion: 77 Resp: 1682584

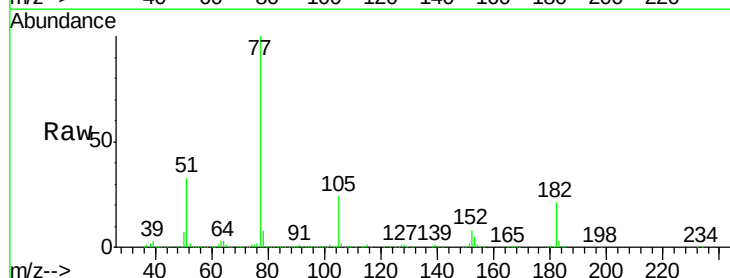
Ion Ratio Lower Upper

77 100

182 20.5 8.3 48.3

105 24.1 4.6 44.6

51 32.9 6.2 46.2

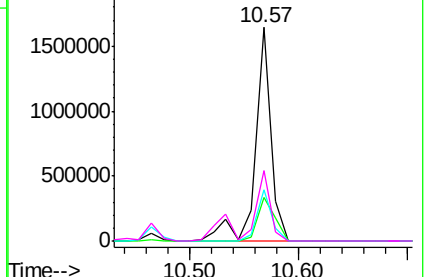
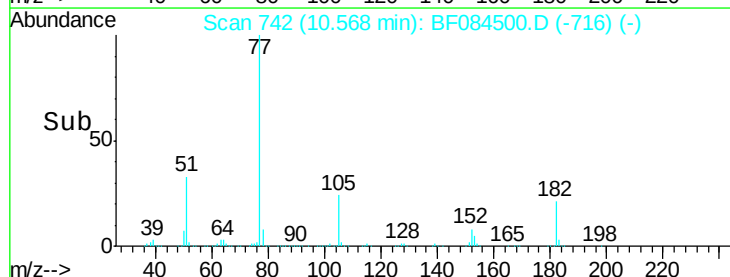


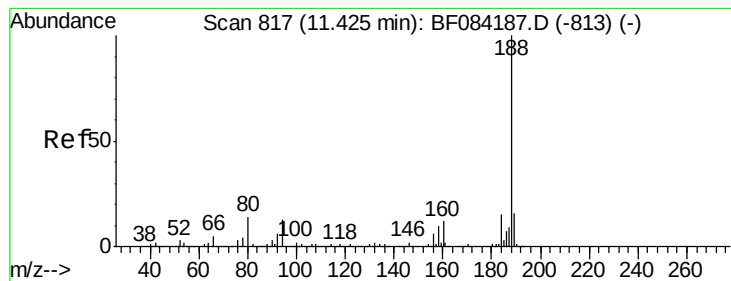
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

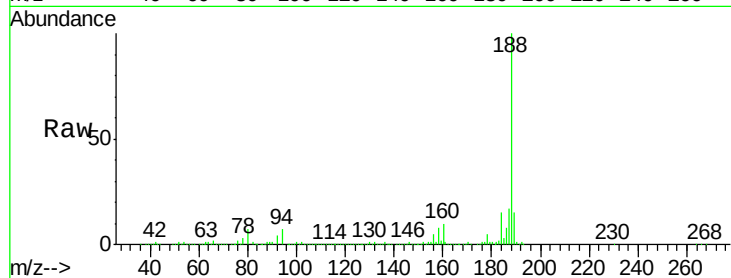
Tot Ion:188 Resp: 884515

Ion Ratio Lower Upper

188 100

94 7.0 9.0 13.4#

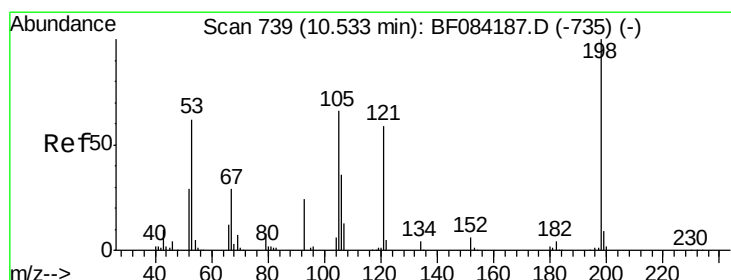
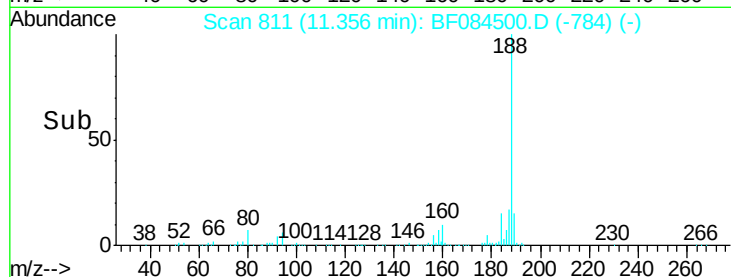
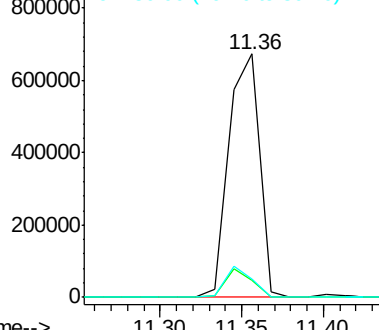
80 7.3 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 42.79 ng

RT: 10.46 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

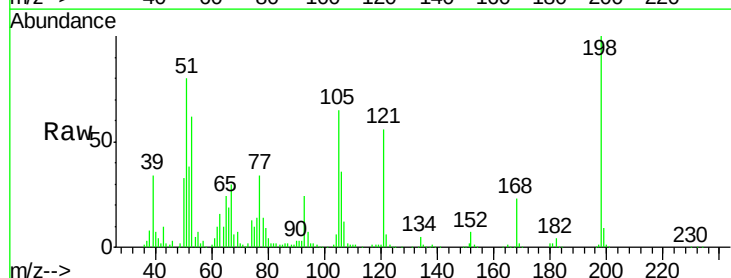
Tgt Ion:198 Resp: 230919

Ion Ratio Lower Upper

198 100

51 79.7 18.9 58.9#

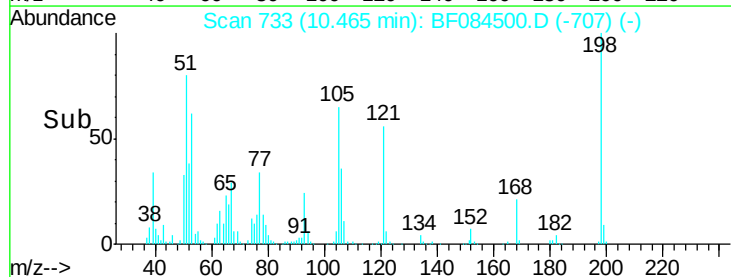
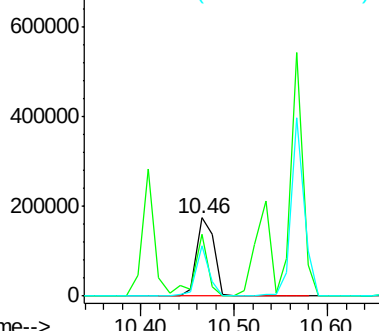
105 64.5 26.4 66.4

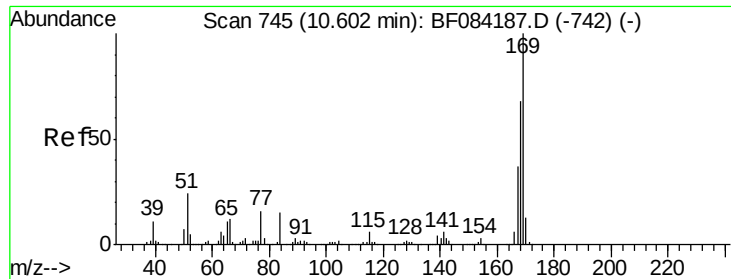


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 48.29 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

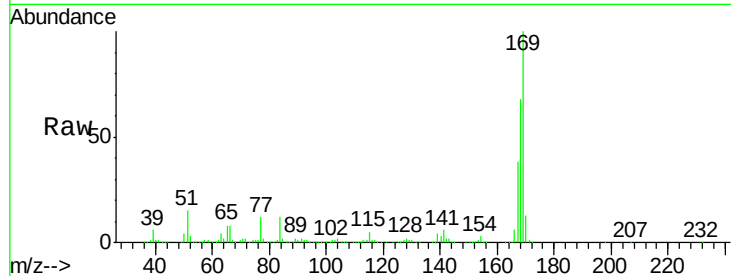
Tot Ion:169 Resp: 1365785

Ion Ratio Lower Upper

169 100

168 67.7 55.1 82.7

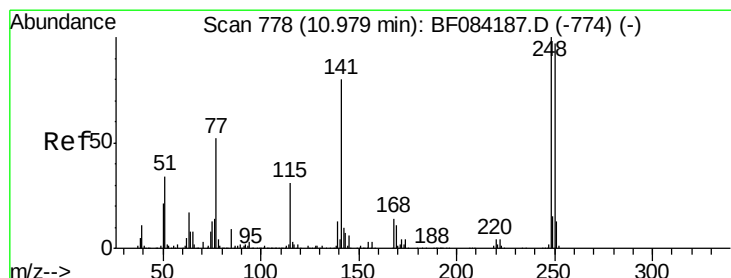
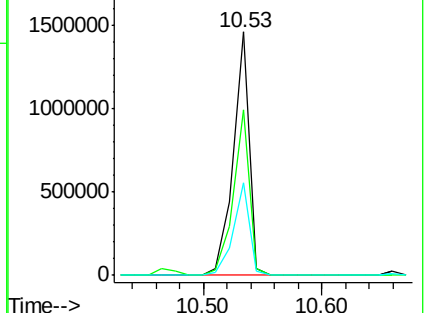
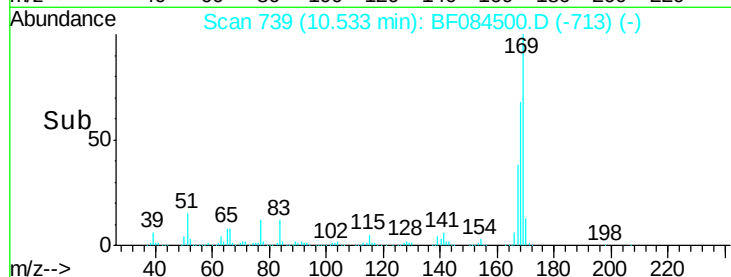
167 37.8 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 46.41 ng

RT: 10.90 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

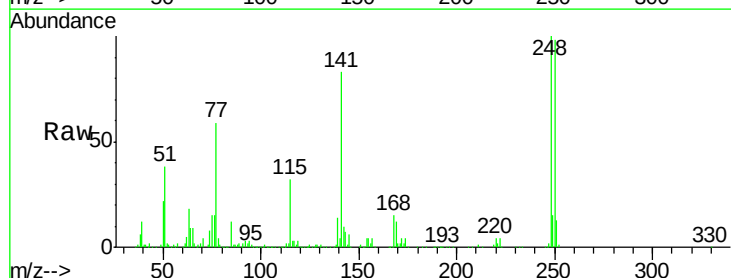
Tgt Ion:248 Resp: 441815

Ion Ratio Lower Upper

248 100

250 98.5 78.4 117.6

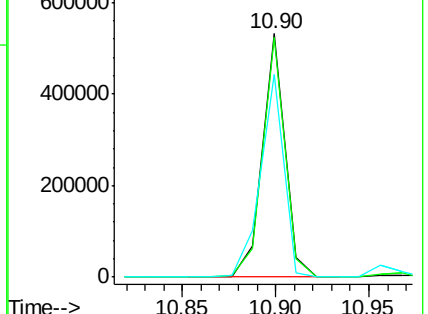
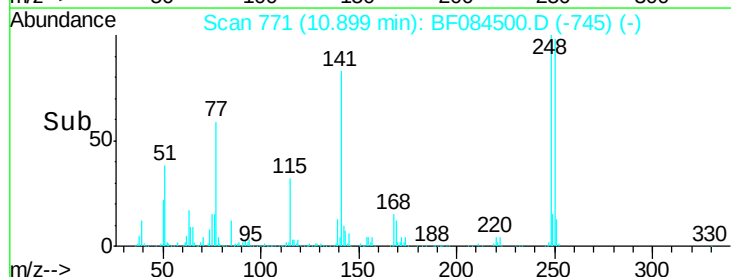
141 83.5 44.0 66.0#

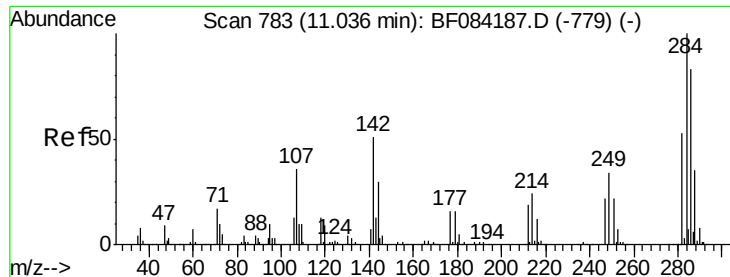


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 45.15 ng

RT: 10.97 min Scan# 777

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

CLAYMS

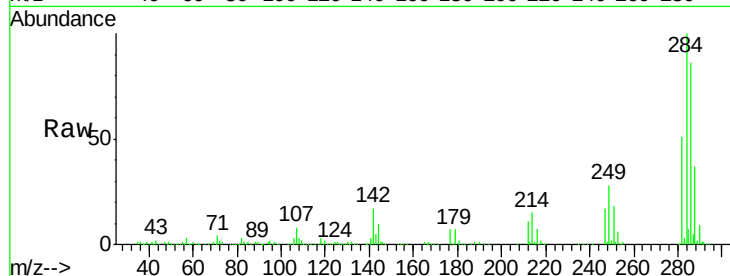
Tot Ion:284 Resp: 483786

Ion Ratio Lower Upper

284 100

142 16.8 22.2 33.4#

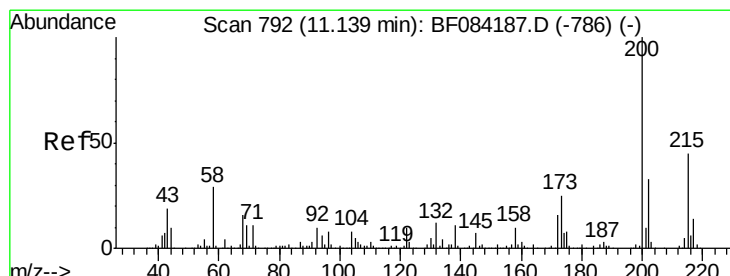
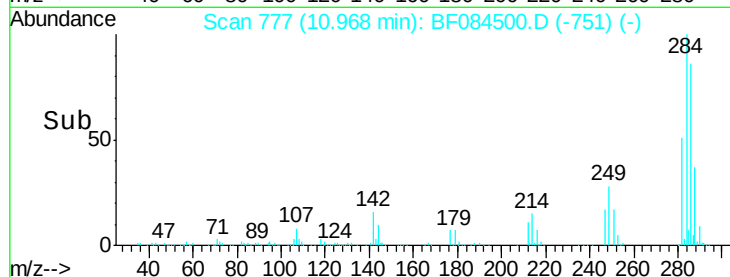
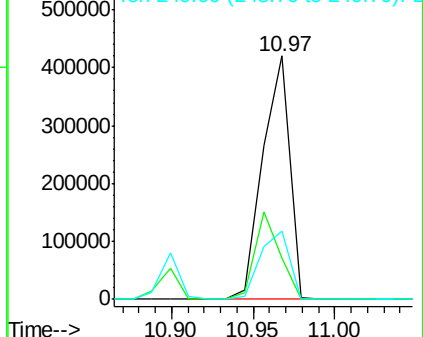
249 28.1 24.6 37.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 45.01 ng

RT: 11.06 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

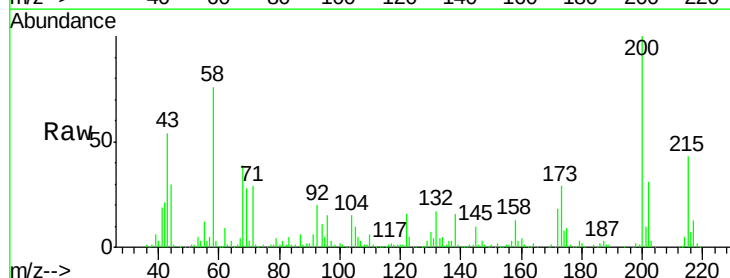
Tgt Ion:200 Resp: 416549

Ion Ratio Lower Upper

200 100

173 28.8 9.5 49.5

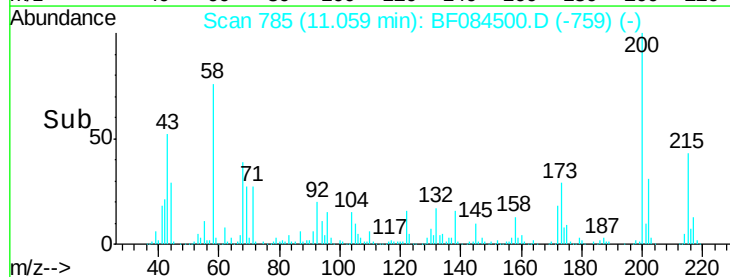
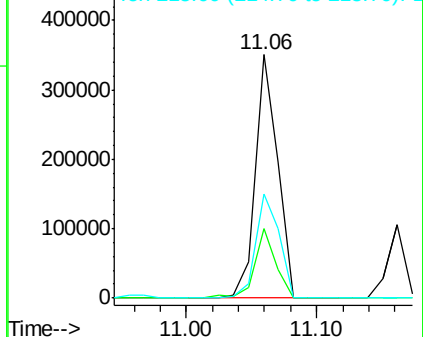
215 43.0 23.8 63.8

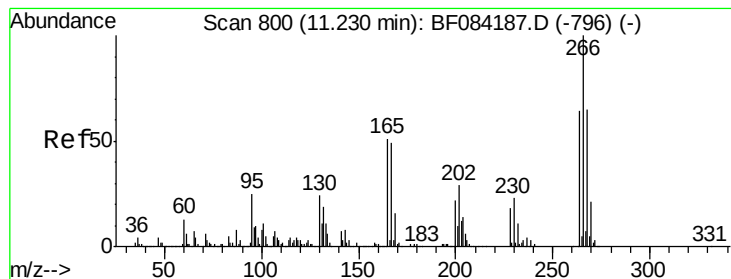


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 81.58 ng

RT: 11.16 min Scan# 794

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

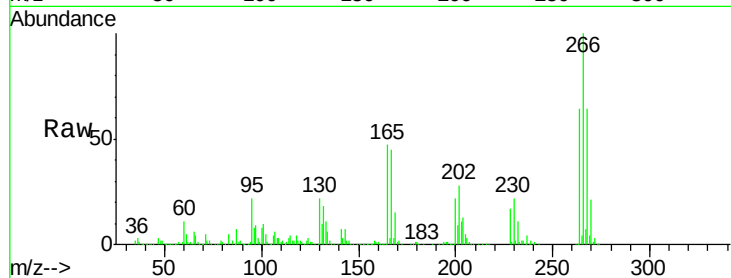
Tot Ion:266 Resp: 453267

Ion Ratio Lower Upper

266 100

268 64.5 52.4 78.6

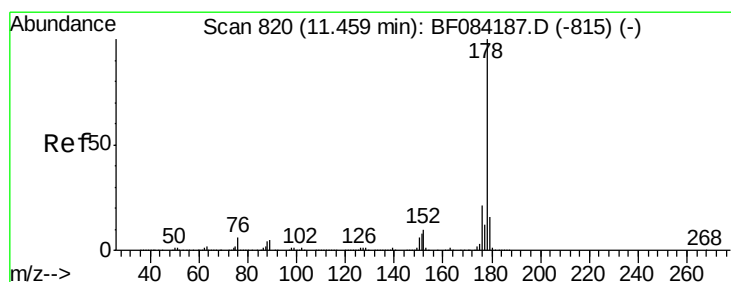
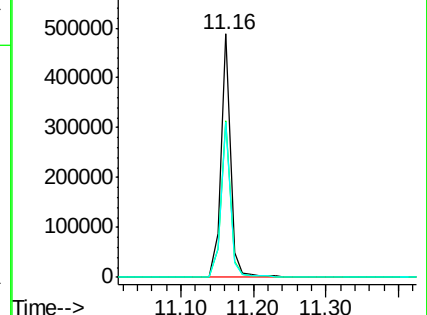
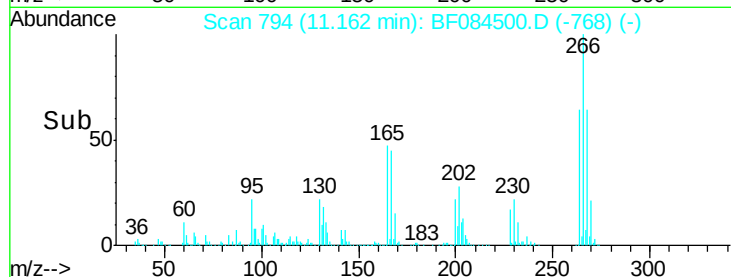
264 63.8 50.2 75.2



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 47.21 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

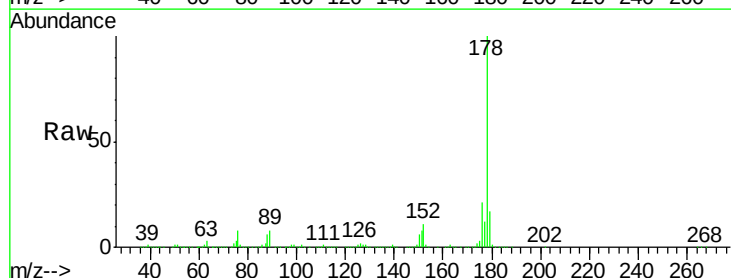
Tgt Ion:178 Resp: 2184270

Ion Ratio Lower Upper

178 100

176 21.1 15.3 22.9

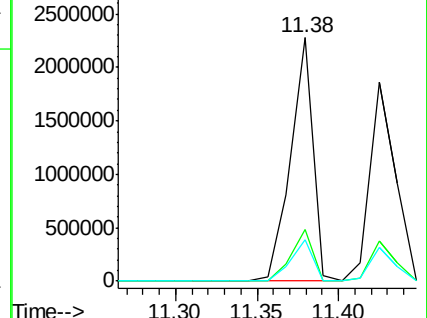
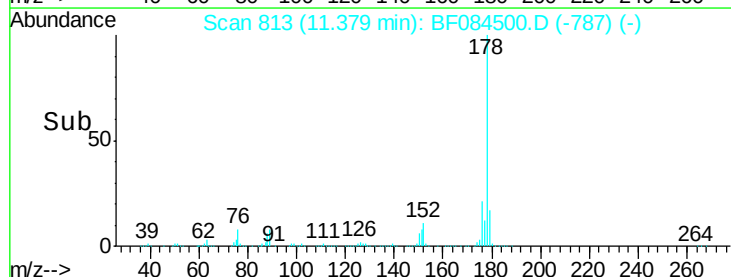
179 16.7 12.0 18.0

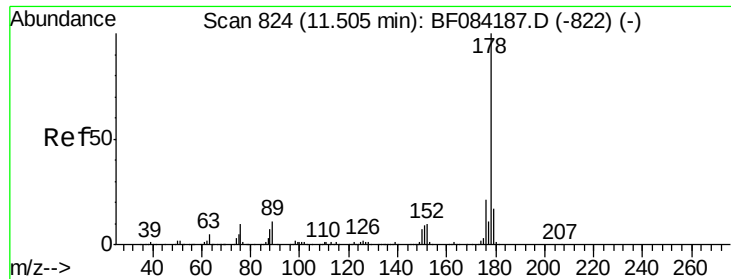


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

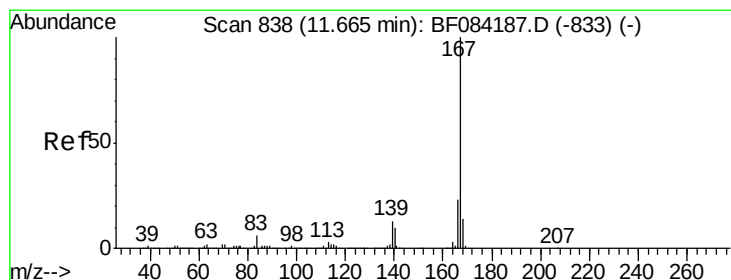
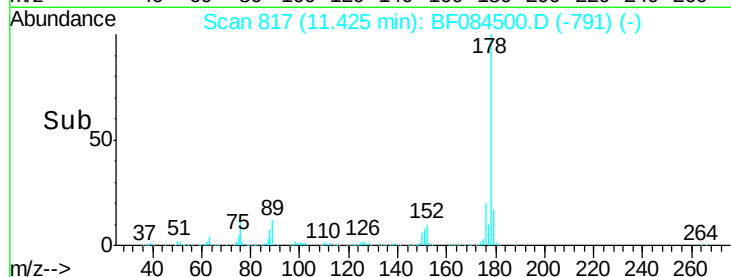
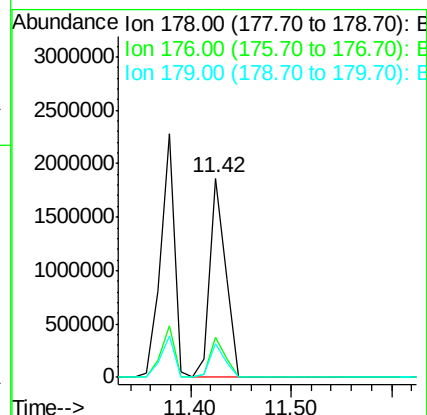
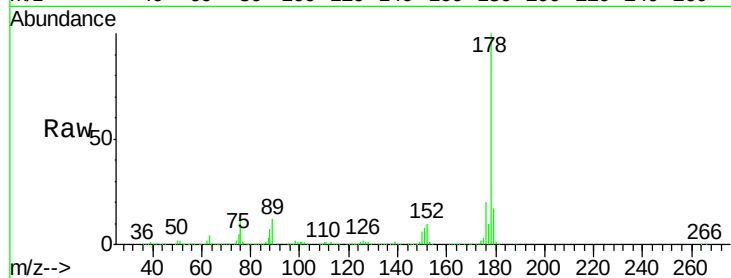




#71
 Anthracene
 Concen: 44.95 ng
 RT: 11.42 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

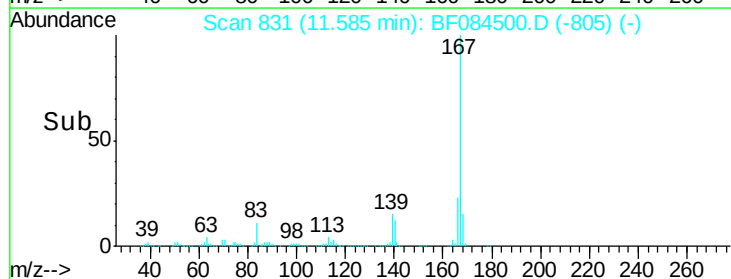
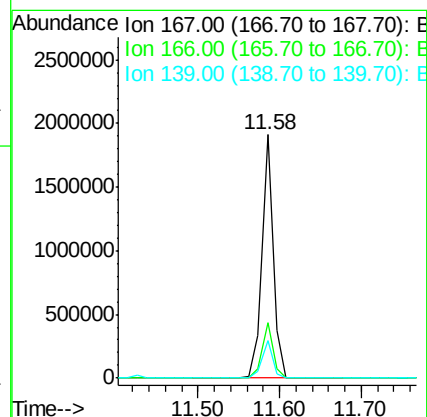
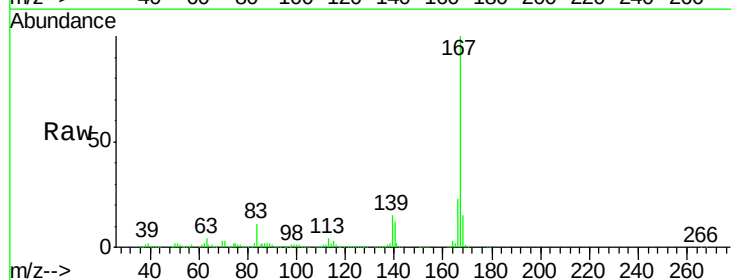
Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

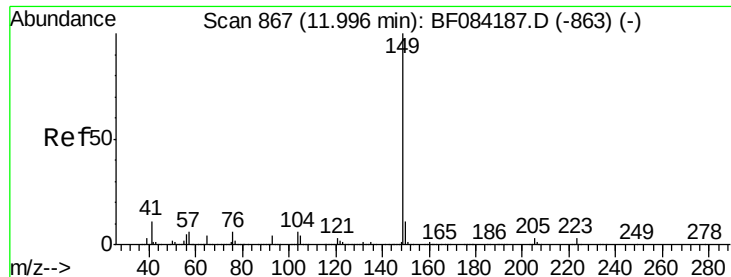
Tot Ion:178 Resp: 2038510
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.4 23.0
 179 16.7 12.5 18.7



#72
 Carbazole
 Concen: 41.00 ng
 RT: 11.58 min Scan# 831
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion:167 Resp: 1817705
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.6 26.4
 139 15.2 11.8 17.8





#73

Di-n-butylphthalate

Concen: 48.57 ng

RT: 11.92 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

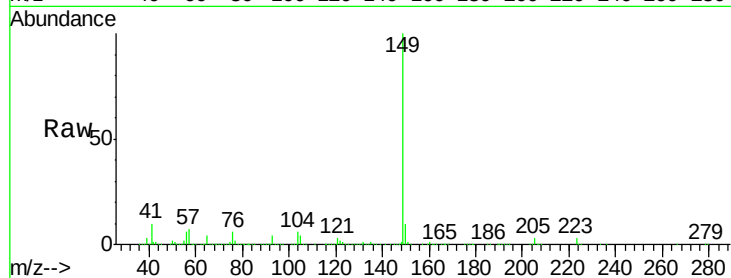
Tot Ion:149 Resp: 2243680

Ion Ratio Lower Upper

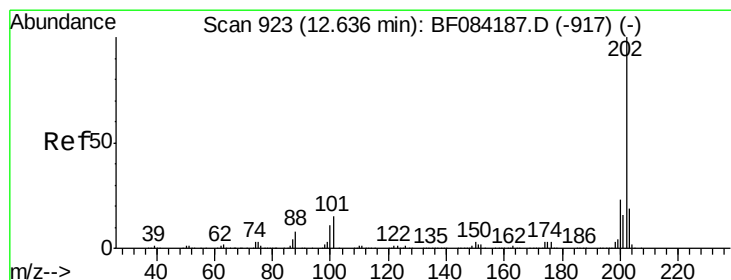
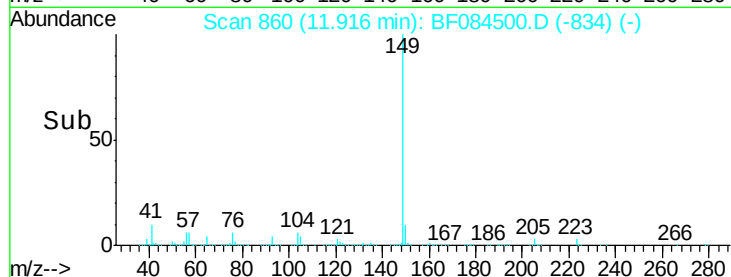
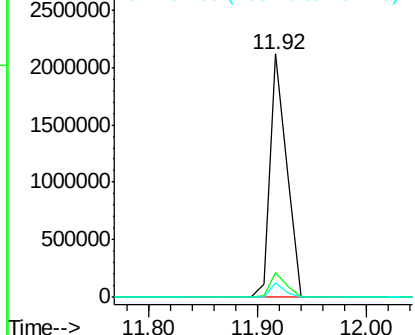
149 100

150 10.4 7.1 10.7

104 6.0 3.2 4.8#



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



#74

Fluoranthene

Concen: 43.60 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.01 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

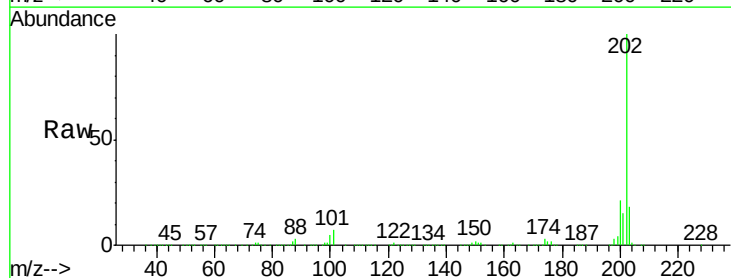
Tgt Ion:202 Resp: 2107171

Ion Ratio Lower Upper

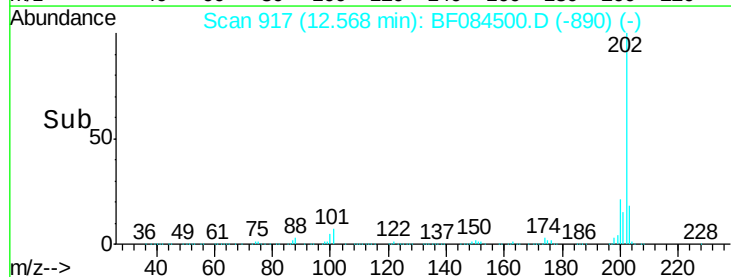
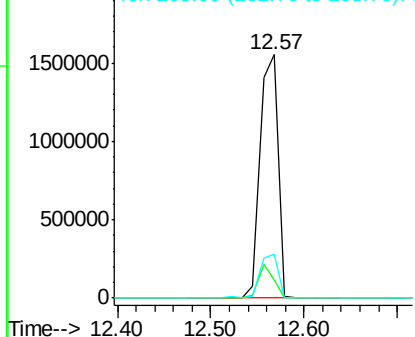
202 100

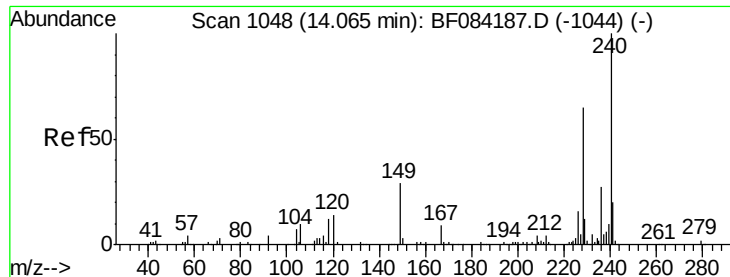
101 7.3 0.0 32.8

203 18.0 0.0 37.9



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

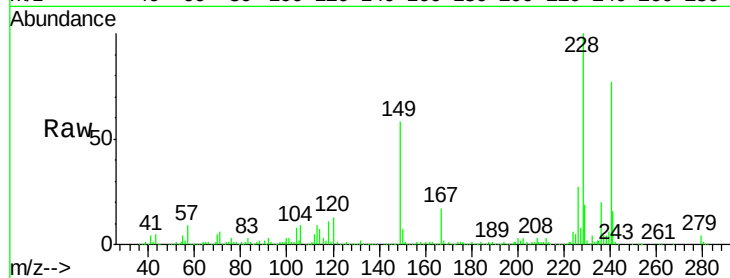
Tot Ion:240 Resp: 546464

Ion Ratio Lower Upper

240 100

120 16.6 9.5 14.3#

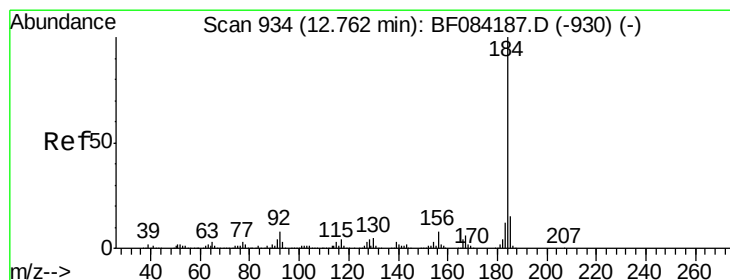
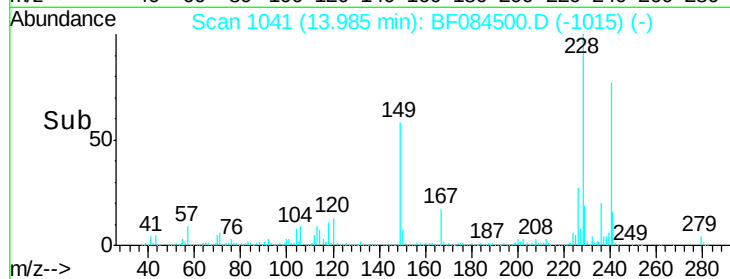
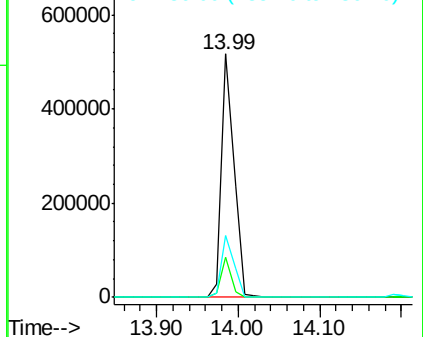
236 25.6 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 35.13 ng

RT: 12.68 min Scan# 927

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

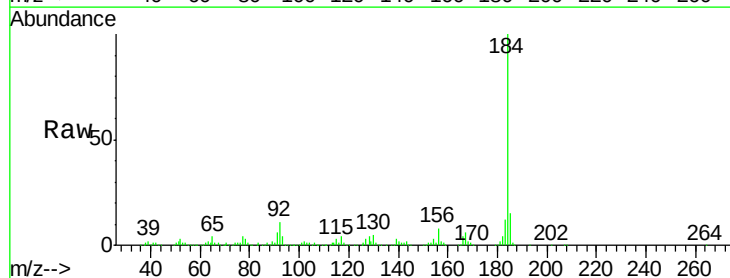
Tgt Ion:184 Resp: 688383

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

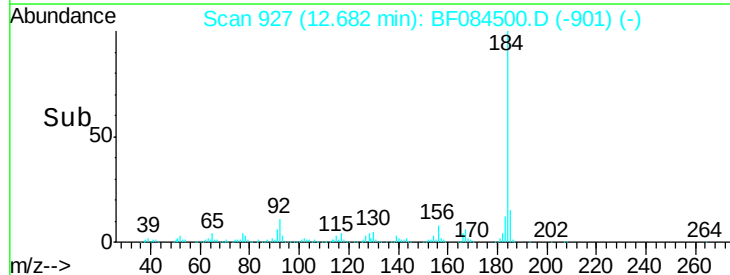
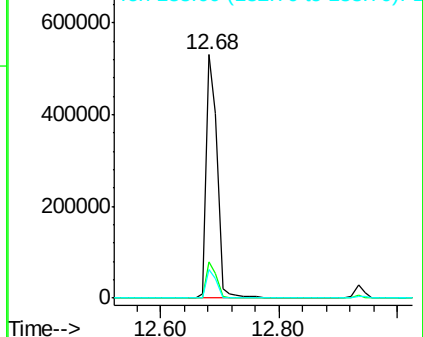
183 11.6 9.8 14.8

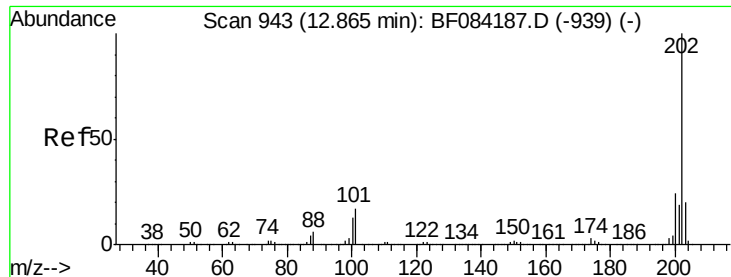


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

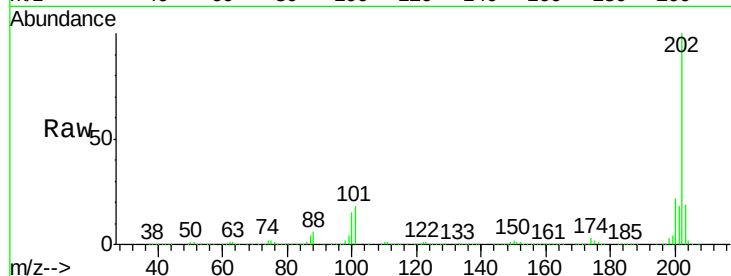




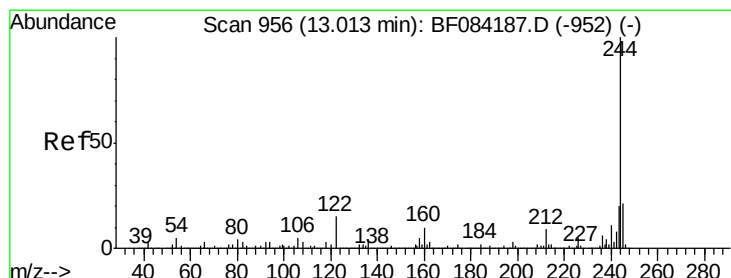
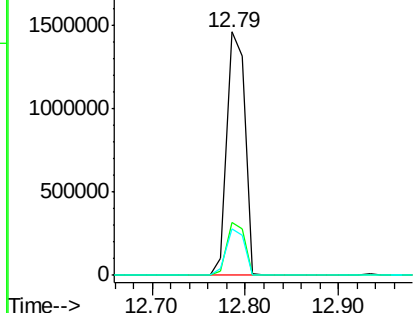
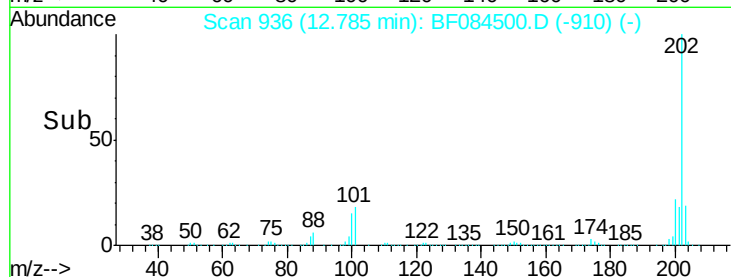
#77
Pvrene
Concen: 46.35 ng
RT: 12.79 min Scan# 936
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Instrument :
BNA_F
ClientSampleId :
CLAYMS

Tot Ion:202 Resp: 1987665
Ion Ratio Lower Upper
202 100
200 22.0 17.2 25.8
203 19.1 14.3 21.5

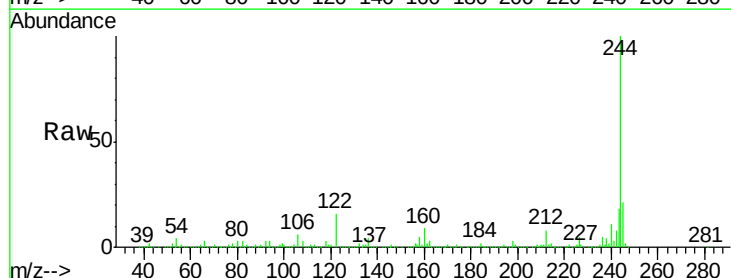


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

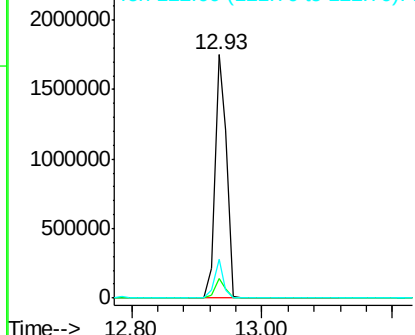
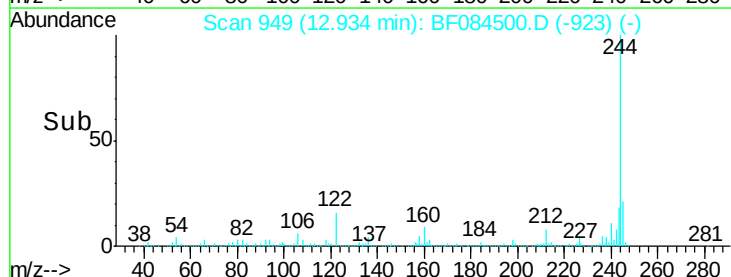


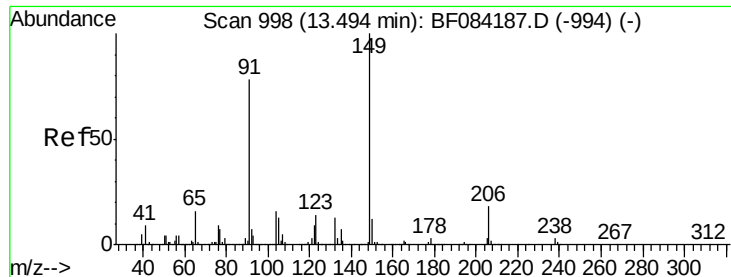
#78
Terphenyl-d14
Concen: 89.78 ng
RT: 12.93 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:244 Resp: 2197922
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 15.8 7.4 11.0#



Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 47.85 ng

RT: 13.41 min Scan# 991

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampled :

CLAYMS

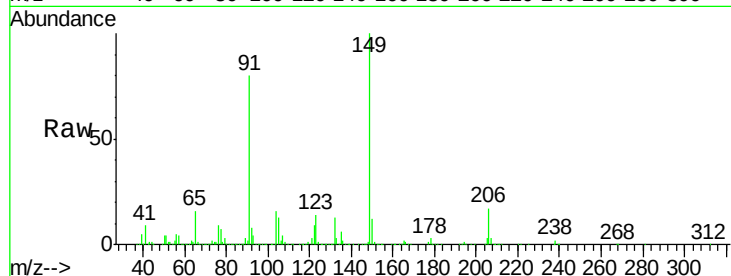
Tot Ion:149 Resp: 888023

Ion Ratio Lower Upper

149 100

91 80.1 57.6 86.4

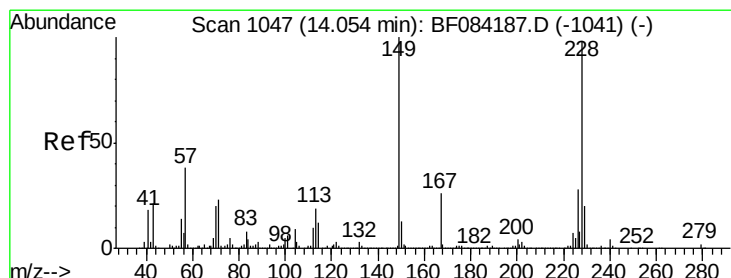
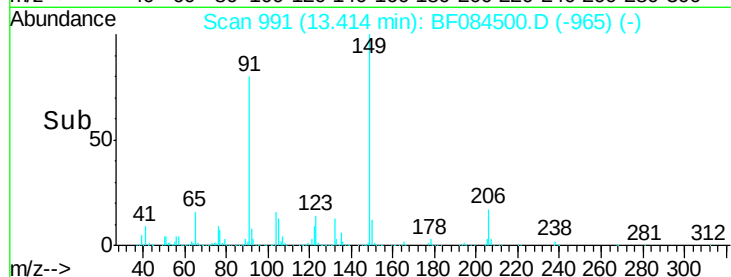
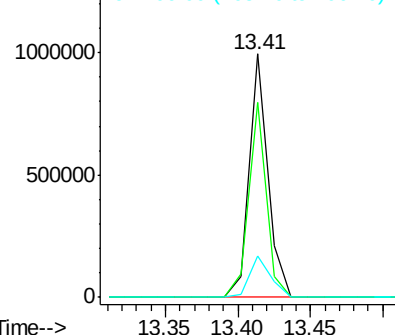
206 17.2 13.2 19.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 44.10 ng

RT: 13.97 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

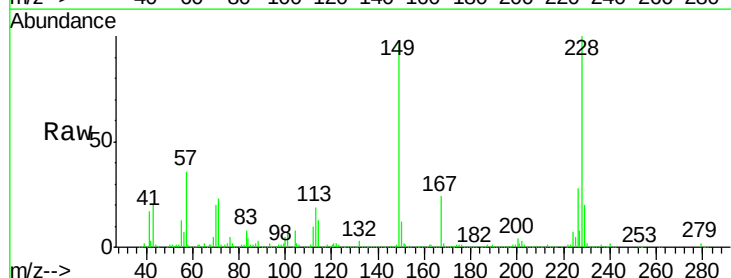
Tgt Ion:228 Resp: 1415045

Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.6

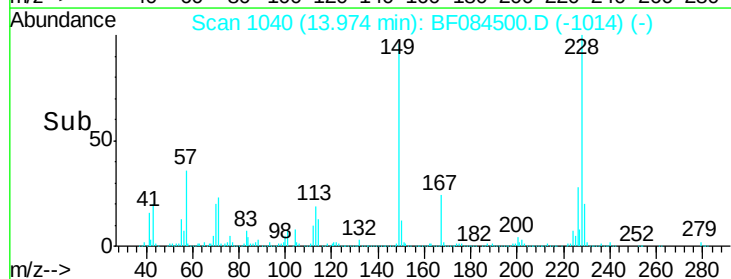
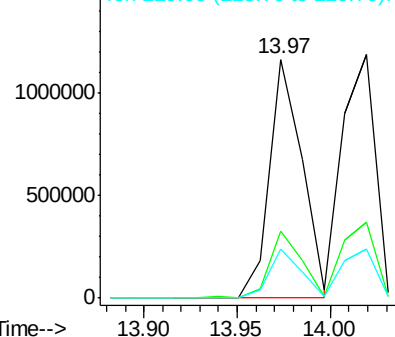
229 20.3 15.8 23.8

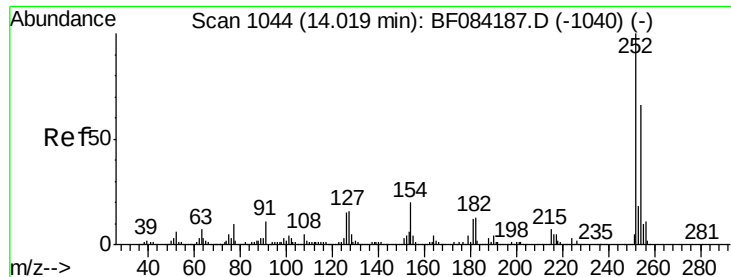


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

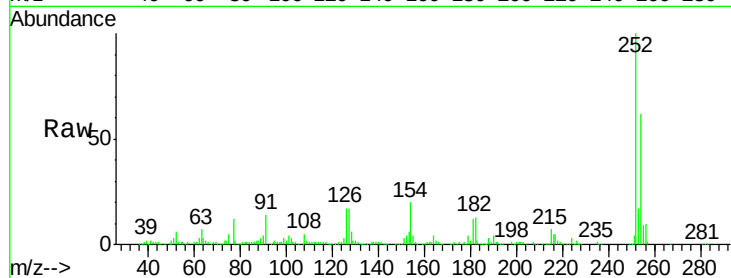




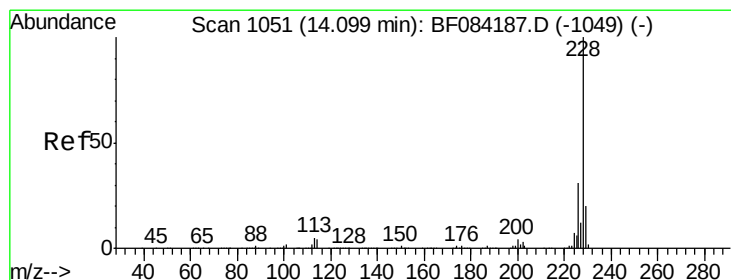
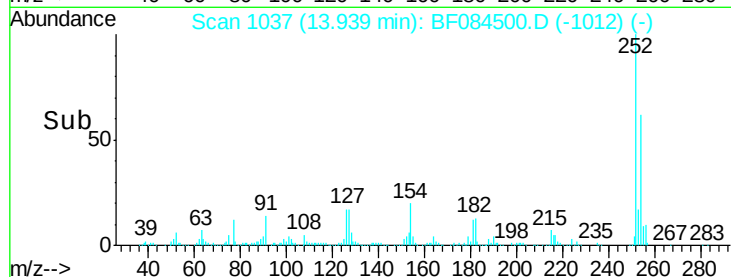
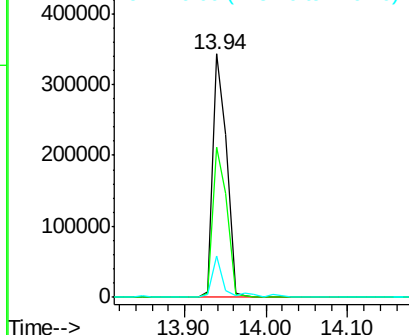
#81
 3,3'-Dichlorobenzidine
 Concen: 36.25 ng
 RT: 13.94 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

Tot Ion:252 Resp: 405938
 Ion Ratio Lower Upper
 252 100
 254 61.8 53.5 80.3
 126 16.7 4.9 7.3#

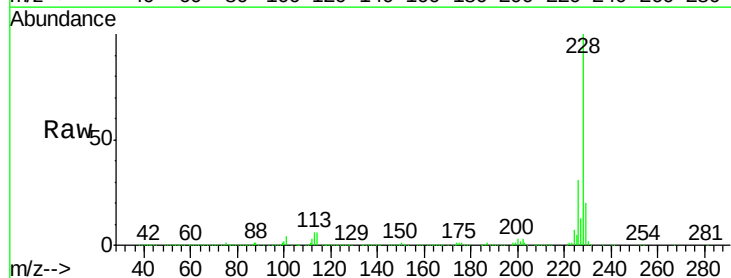


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

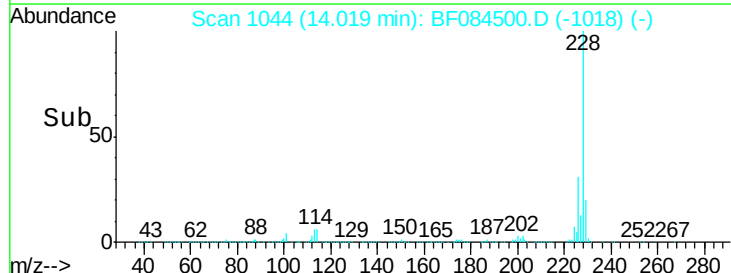
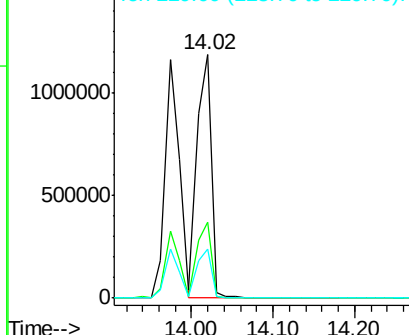


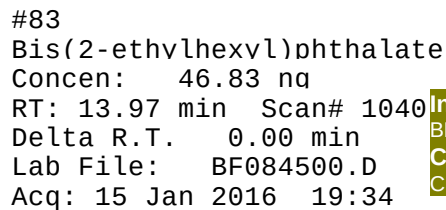
#82
 Chrysene
 Concen: 47.67 ng
 RT: 14.02 min Scan# 1044
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion:228 Resp: 1469728
 Ion Ratio Lower Upper
 228 100
 226 31.3 24.3 36.5
 229 20.2 16.1 24.1



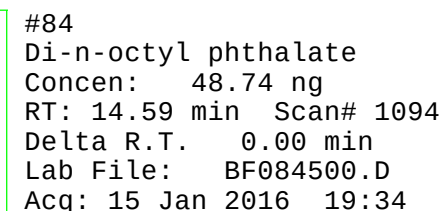
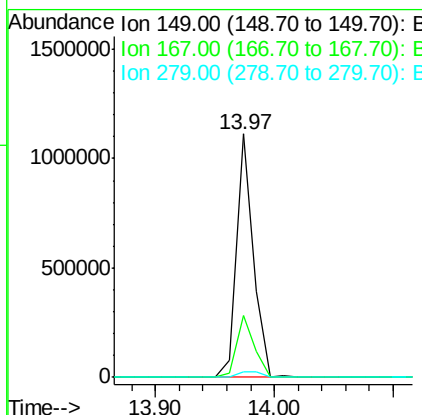
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



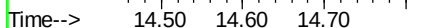
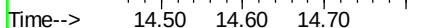
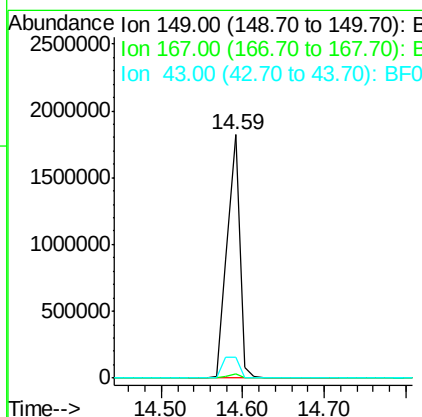


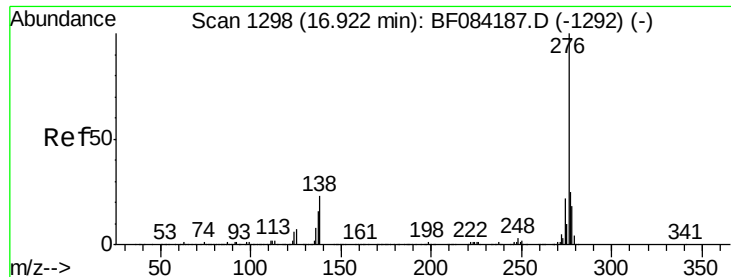
Instrument :
BNA_F
ClientSampleId :
CLAYMS

Tot	Ion:149	Resp:	1097863
Ion	Ratio	Lower	Upper
149	100		
167	25.3	19.7	29.5
279	2.4	1.8	2.6



Tgt	Ion:149	Resp:	1929066
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.5	5.6	8.4#

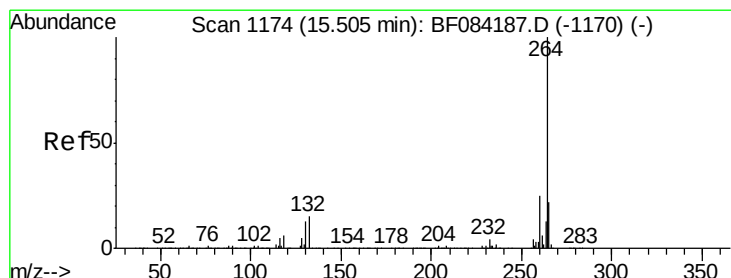
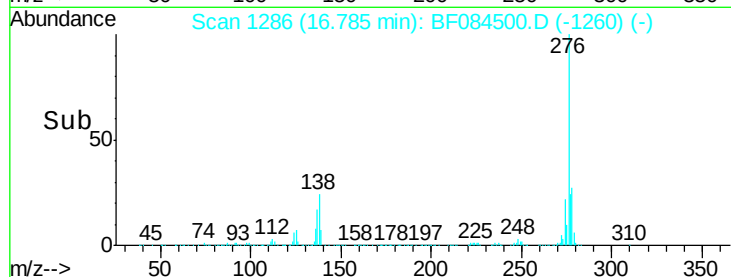
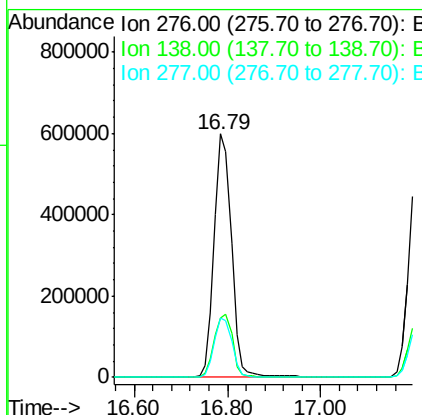
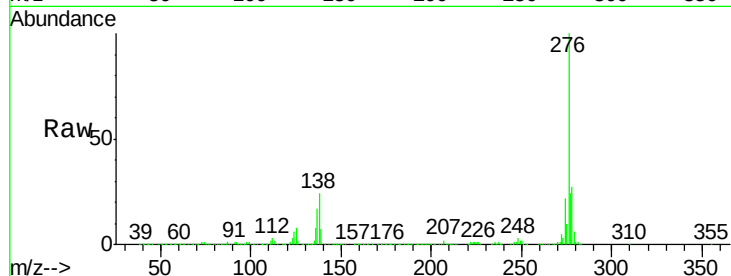




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 63.81 ng
 RT: 16.79 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

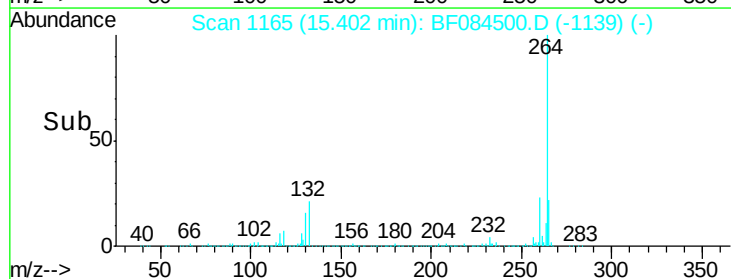
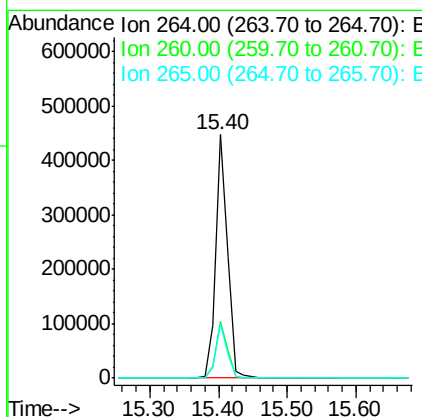
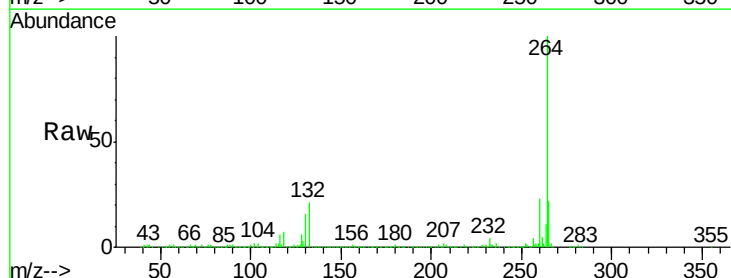
Instrument :
 BNA_F
 ClientSampleId :
 CLAYMS

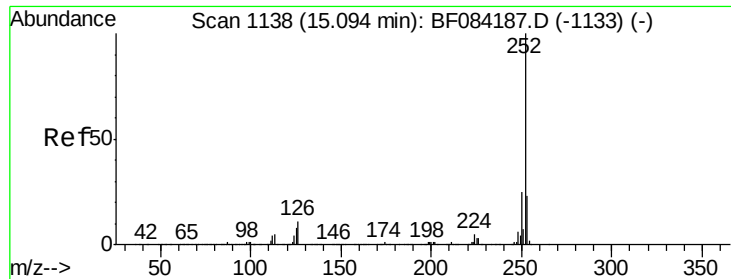
Tot Ion:276 Resp: 1559646
 Ion Ratio Lower Upper
 276 100
 138 27.2 20.6 30.8
 277 25.2 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF084500.D
 Acq: 15 Jan 2016 19:34

Tgt Ion:264 Resp: 549503
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.4 29.2
 265 22.3 17.8 26.6

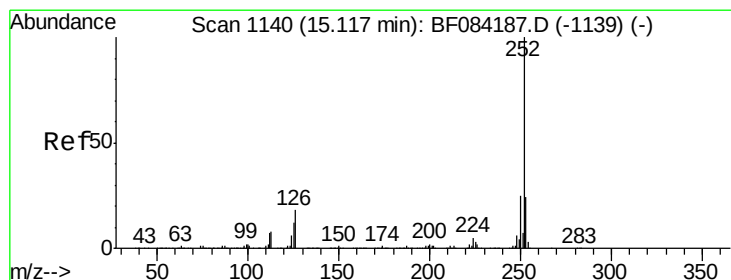
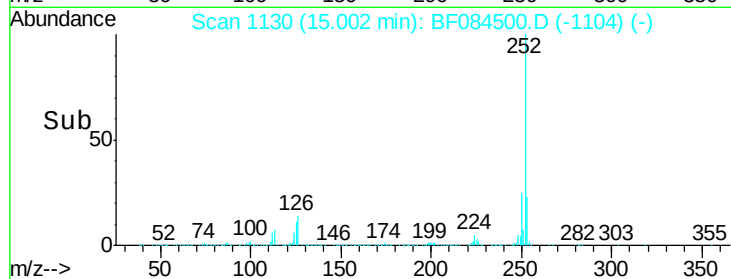
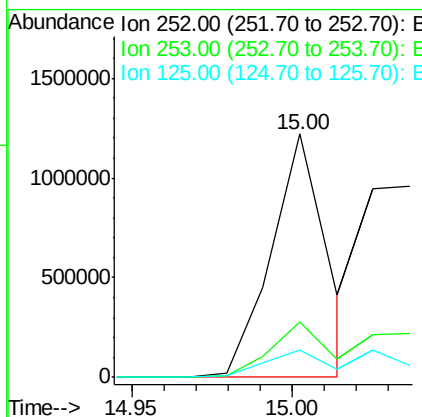
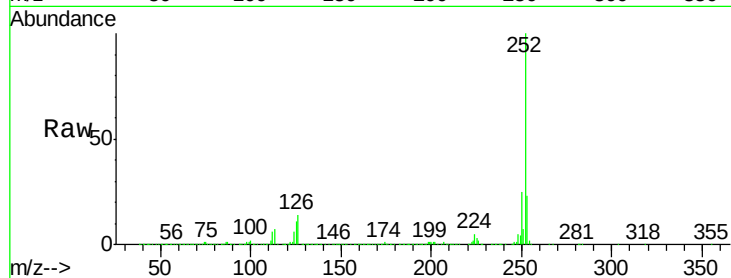




#87
Benzo(b)fluoranthene
Concen: 40.13 ng m
RT: 15.00 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

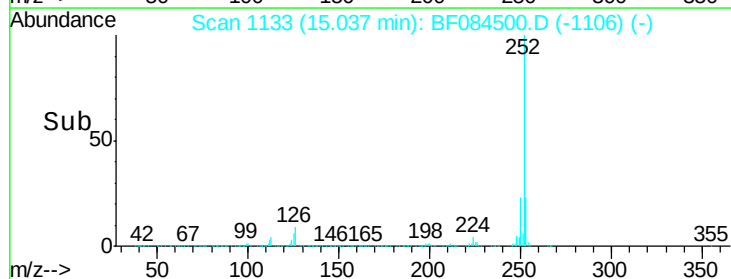
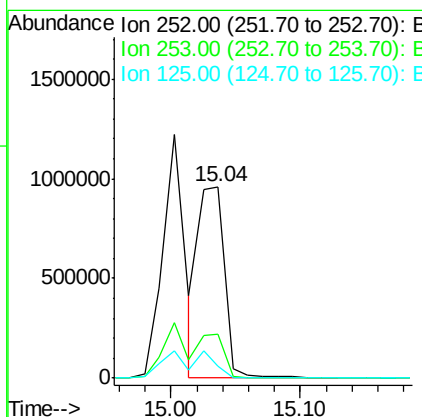
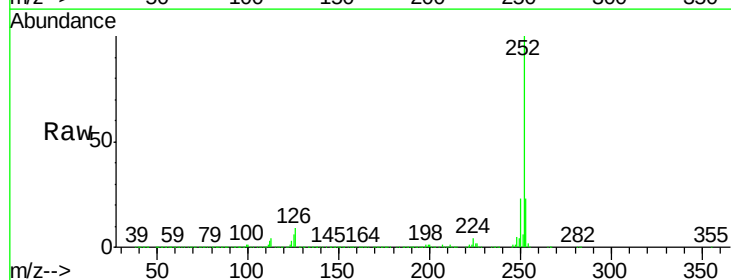
Instrument :
BNA_F
ClientSampleId :
CLAYMS

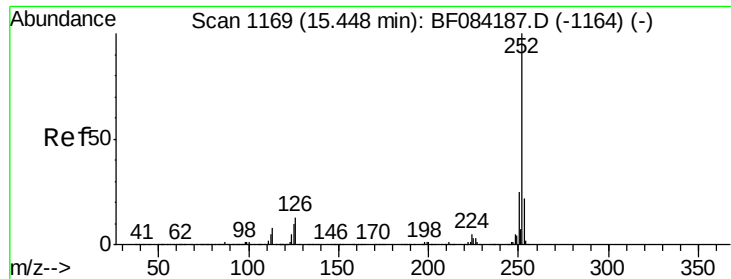
Tot Ion:252 Resp: 1442505
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.0 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 46.83 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.01 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:252 Resp: 1376801
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 6.3 9.0 13.6#

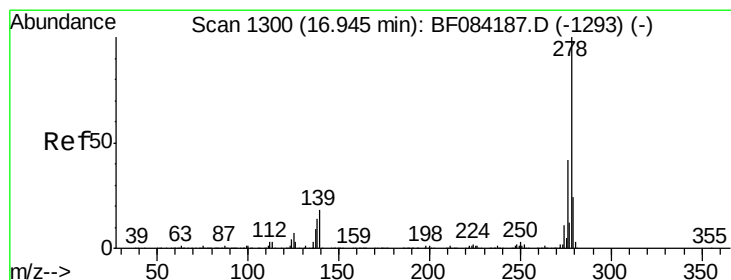
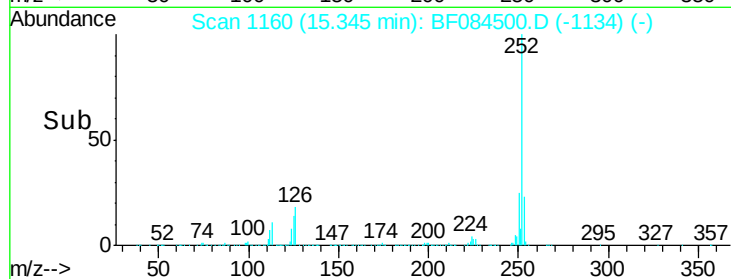
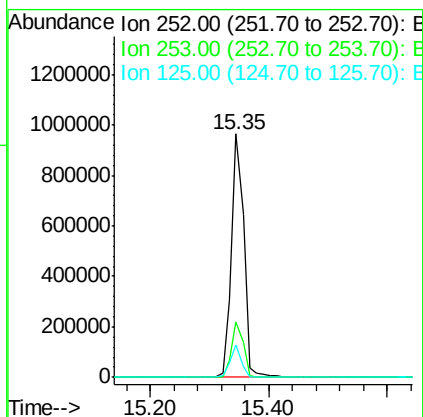
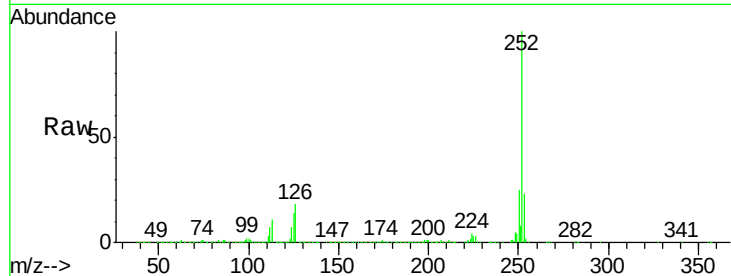




#89
Benzo(a)pyrene
Concen: 45.35 ng
RT: 15.35 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

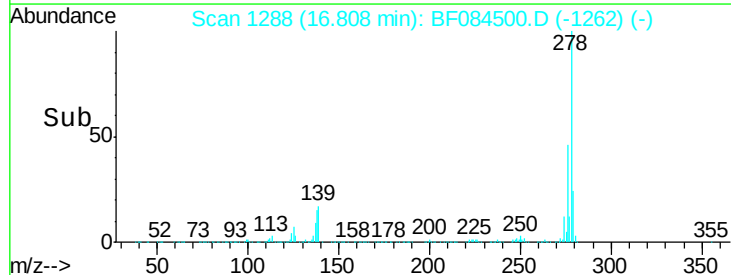
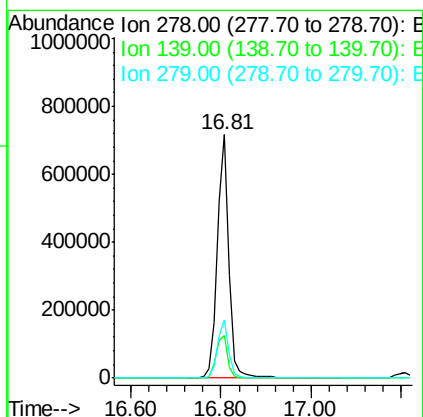
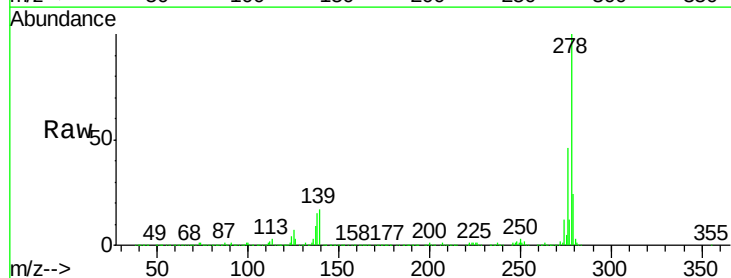
Instrument :
BNA_F
ClientSampleId :
CLAYMS

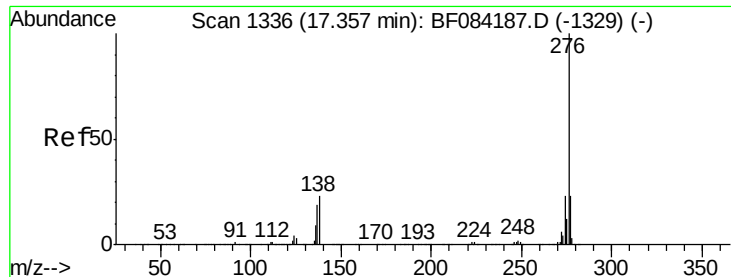
Tot Ion:252 Resp: 1382785
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 13.6 7.0 10.4#



#90
Dibenzo(a,h)anthracene
Concen: 48.82 ng
RT: 16.81 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF084500.D
Acq: 15 Jan 2016 19:34

Tgt Ion:278 Resp: 1280869
Ion Ratio Lower Upper
278 100
139 17.5 15.0 22.4
279 24.1 18.9 28.3





#91

Benzo(a,h,i)perylene

Concen: 47.52 ng

RT: 17.21 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF084500.D

Acq: 15 Jan 2016 19:34

Instrument :

BNA_F

ClientSampleId :

CLAYMS

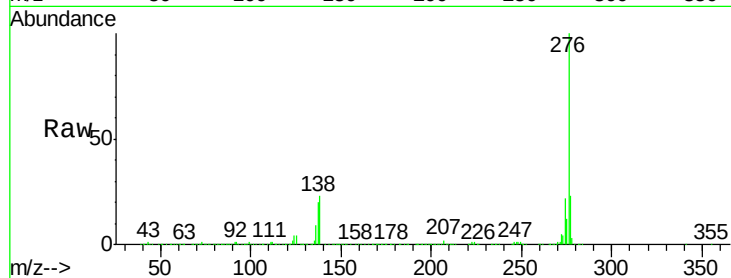
Tot Ion:276 Resp: 1291160

Ion Ratio Lower Upper

276 100

277 23.3 18.8 28.2

138 23.1 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

