

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089507.D
 Acq On : 1 Aug 2016 13:08
 Operator : UM/SJ
 Sample : PB92593BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92593BS

Quant Time: Aug 02 01:43:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	38100	20.00	ng	-0.07
21) Naphthalene-d8	7.77	136	161164	20.00	ng	-0.06
38) Acenaphthene-d10	9.51	164	75122	20.00	ng	-0.07
63) Phenanthrene-d10	10.98	188	158702	20.00	ng	-0.07
75) Chrysene-d12	13.61	240	123466	20.00	ng	-0.06
86) Perylene-d12	14.94	264	98838	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	354677	148.64	ng	-0.05
7) Phenol-d6	6.15	99	440517	139.70	ng	-0.06
23) Nitrobenzene-d5	7.06	82	287699	105.37	ng	-0.06
41) 2,4,6-Tribromophenol	10.31	330	100032	160.78	ng	-0.06
44) 2-Fluorobiphenyl	8.84	172	489146	95.56	ng	-0.07
78) Terphenyl-d14	12.57	244	535362	101.48	ng	-0.06

Target Compounds						Qvalue
2) 1,4-Dioxane	1.94	88	45329	42.11	ng	# 88
3) Pyridine	2.52	79	129887	55.64	ng	98
4) n-Nitrosodimethylamine	2.50	42	52362	53.43	ng	94
6) Aniline	6.15	93	57493	16.89	ng	# 51
8) 2-Chlorophenol	6.26	128	130461	48.34	ng	84
9) Benzaldehyde	6.02	77	58853	38.22	ng	98
10) Phenol	6.16	94	159139	45.73	ng	95
11) bis(2-Chloroethyl)ether	6.23	93	127971	43.28	ng	90
12) 1,3-Dichlorobenzene	6.41	146	127629	45.21	ng	96
13) 1,4-Dichlorobenzene	6.50	146	139220	44.68	ng	93
14) 1,2-Dichlorobenzene	6.65	146	136674	46.83	ng	95
15) Benzyl Alcohol	6.64	79	112922	57.70	ng	93
16) 2,2'-oxybis(1-Chloropropan	6.78	45	141050	43.74	ng	78
17) 2-Methylphenol	6.78	107	102063	48.92	ng	96
18) Hexachloroethane	6.98	117	51605	43.20	ng	95
19) n-Nitroso-di-n-propylamine	6.91	70	93170	49.00	ng	# 90
20) 3+4-Methylphenols	6.94	107	140777	52.55	ng	# 82
22) Acetophenone	6.90	105	173324	45.17	ng	# 95
24) Nitrobenzene	7.07	77	136744	44.00	ng	# 88
25) Isophorone	7.32	82	261218	47.49	ng	97
26) 2-Nitrophenol	7.39	139	69433	49.97	ng	# 87
27) 2,4-Dimethylphenol	7.45	122	111841	50.53	ng	98
28) bis(2-Chloroethoxy)methane	7.54	93	166425	54.66	ng	99
29) 2,4-Dichlorophenol	7.64	162	113422	56.24	ng	99
30) 1,2,4-Trichlorobenzene	7.71	180	110922	48.20	ng	96
31) Naphthalene	7.79	128	401970	50.37	ng	100
32) Benzoic acid	7.60	122	33658	21.82	ng	98
33) 4-Chloroaniline	7.86	127	23819	7.84	ng	97
34) Hexachlorobutadiene	7.91	225	56604	42.95	ng	99
35) Caprolactam	8.24	113	19313	31.73	ng	94
36) 4-Chloro-3-methylphenol	8.36	107	133116	55.53	ng	98
37) 2-Methylnaphthalene	8.48	142	240947	50.10	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.65	216	98307	37.40	ng	99
40) Hexachlorocyclopentadiene	8.64	237	61447	81.78	ng	99

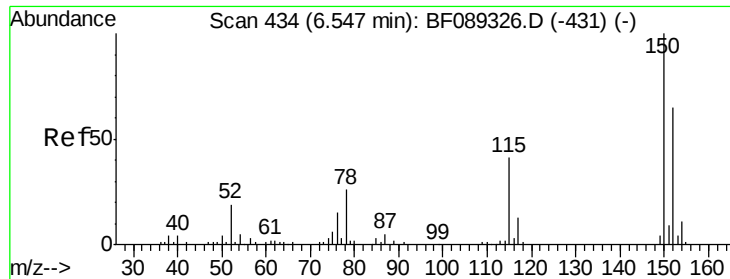
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080116\
 Data File : BF089507.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.78	196	70129	56.11	ng	99
43) 2,4,5-Trichlorophenol	8.82	196	78510	49.59	ng	97
45) 1,1'-Biphenyl	8.95	154	292905	45.79	ng	96
46) 2-Chloronaphthalene	8.97	162	240070	49.98	ng	93
47) 2-Nitroaniline	9.07	65	80618	56.67	ng	# 74
48) Acenaphthylene	9.37	152	364500	48.17	ng	98
49) Dimethylphthalate	9.27	163	291767	51.03	ng	100
50) 2,6-Dinitrotoluene	9.32	165	66859	56.91	ng	96
51) Acenaphthene	9.54	154	210933	47.74	ng	99
52) 3-Nitroaniline	9.50	138	21633	17.45	ng	97
53) 2,4-Dinitrophenol	9.61	184	42182	78.36	ng	83
54) Dibenzofuran	9.72	168	339347	56.36	ng	94
55) 4-Nitrophenol	9.71	139	231476	359.94	ng	# 13
56) 2,4-Dinitrotoluene	9.72	165	86001	55.61	ng	98
57) Fluorene	10.06	166	259480	49.37	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.85	232	66976	63.36	ng	98
59) Diethylphthalate	9.95	149	280621	48.42	ng	100
60) 4-Chlorophenyl-phenylether	10.06	204	120008	49.78	ng	# 85
61) 4-Nitroaniline	10.10	138	64940	50.82	ng	99
62) Azobenzene	10.22	77	343624	57.57	ng	94
64) 4,6-Dinitro-2-methylphenol	10.14	198	34699	37.29	ng	76
65) n-Nitrosodiphenylamine	10.18	169	241815	48.83	ng	98
66) 4-Bromophenyl-phenylether	10.54	248	68426	45.16	ng	# 69
67) Hexachlorobenzene	10.60	284	74043	47.68	ng	# 86
68) Atrazine	10.72	200	77187	50.74	ng	97
69) Pentachlorophenol	10.81	266	63627	84.23	ng	97
70) Phenanthrene	11.00	178	398512	48.69	ng	99
71) Anthracene	11.06	178	445421	48.95	ng	99
72) Carbazole	11.22	167	390983	51.04	ng	98
73) Di-n-butylphthalate	11.56	149	440973	42.91	ng	99
74) Fluoranthene	12.18	202	436382	50.68	ng	95
76) Benzidine	12.32	184	126297	27.68	ng	97
77) Pyrene	12.41	202	431886	46.16	ng	99
79) Butylbenzylphthalate	13.05	149	220358	51.80	ng	92
80) Benzo(a)anthracene	13.60	228	366609	52.62	ng	100
81) 3,3'-Dichlorobenzidine	13.57	252	50934	20.31	ng	# 96
82) Chrysene	13.63	228	365793	49.32	ng	99
83) Bis(2-ethylhexyl)phthalate	13.61	149	273585	44.49	ng	99
84) Di-n-octyl phthalate	14.22	149	459956	47.93	ng	99
85) Indeno(1,2,3-cd)pyrene	16.10	276	252810	47.94	ng	99
87) Benzo(b)fluoranthene	14.62	252	587740	95.75	ng	# 97
88) Benzo(k)fluoranthene	14.62	252	587740	104.15	ng	99
89) Benzo(a)pyrene	14.89	252	275035	49.95	ng	# 93
90) Dibenzo(a,h)anthracene	16.11	278	209365	48.27	ng	# 94
91) Benzo(g,h,i)perylene	16.45	276	212645	49.87	ng	99

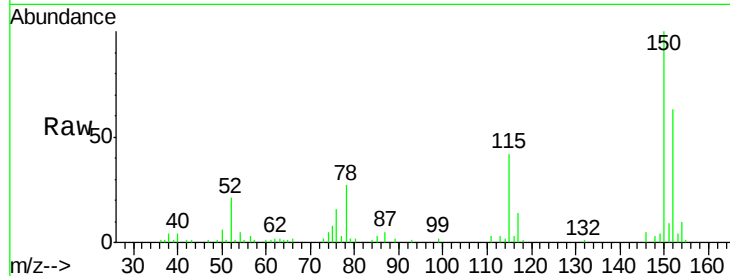
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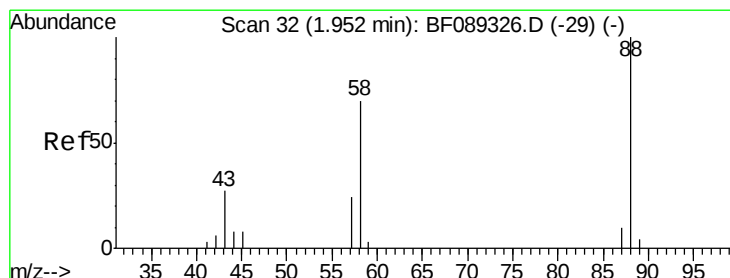
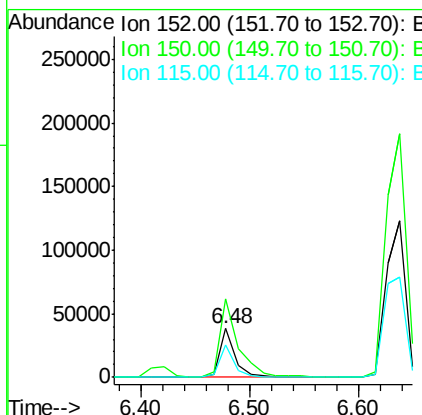
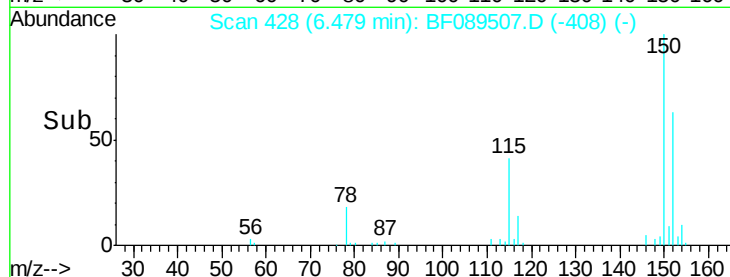
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.48 min Scan# 428
 Delta R.T. -0.07 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

Instrument :
 BNA_F
 ClientSampleId :
 PB92593BS

Tgt Ion:152 Resp: 38100
 Ion Ratio Lower Upper
 152 100
 150 159.6 129.5 194.3
 115 66.8 51.4 77.2

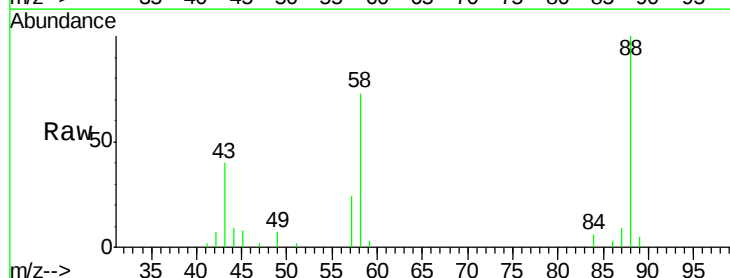


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

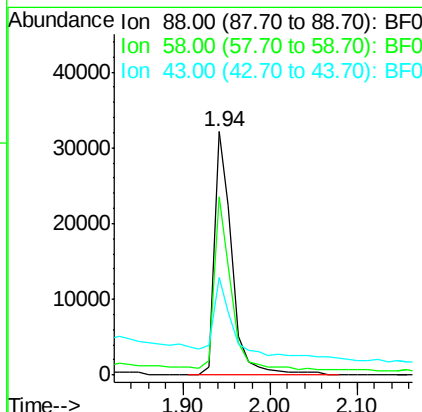
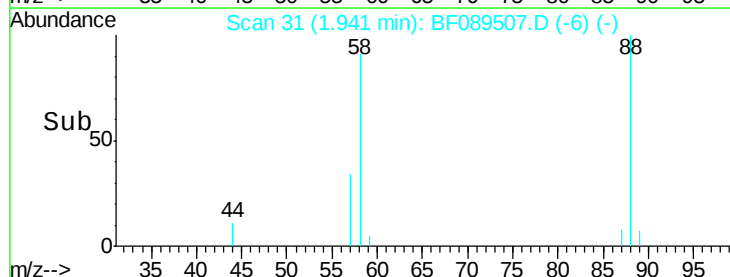


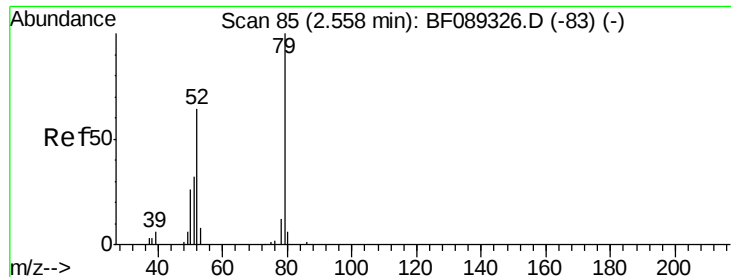
#2
 1,4-Dioxane
 Concen: 42.11 ng
 RT: 1.94 min Scan# 31
 Delta R.T. -0.01 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

Tgt Ion: 88 Resp: 45329
 Ion Ratio Lower Upper
 88 100
 58 68.5 53.2 79.8
 43 43.9 20.6 31.0#



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





#3

Pyridine

Concen: 55.64 ng

RT: 2.52 min Scan# 82

Delta R.T. -0.05 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

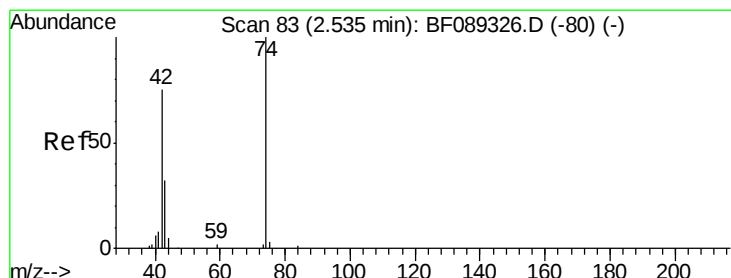
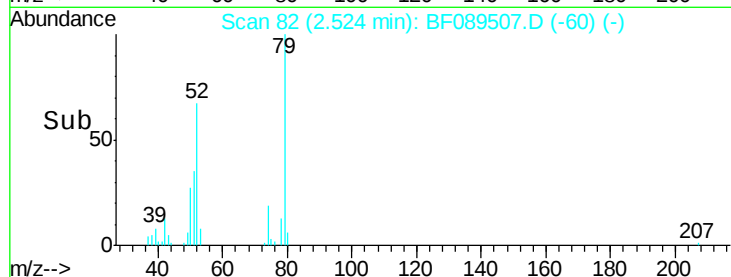
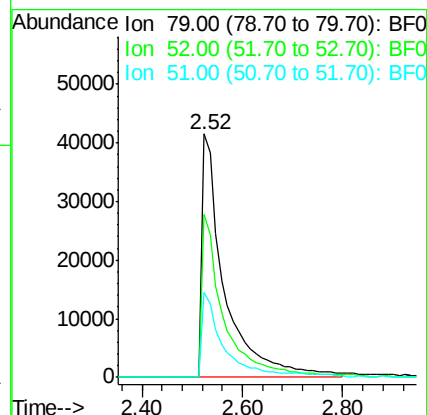
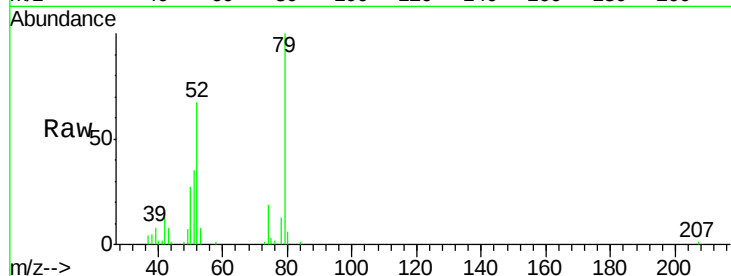
Tgt Ion: 79 Resp: 129887

Ion Ratio Lower Upper

79 100

52 67.0 51.9 77.9

51 34.9 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 53.43 ng

RT: 2.50 min Scan# 80

Delta R.T. -0.03 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

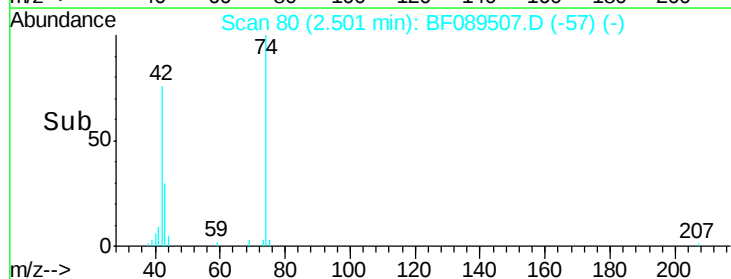
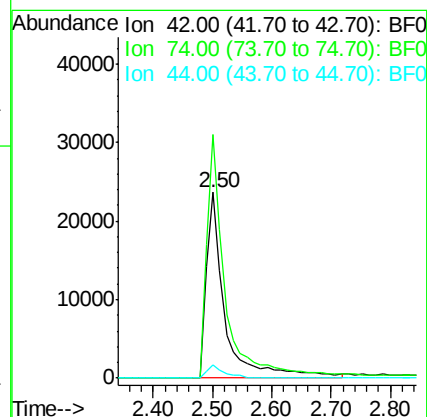
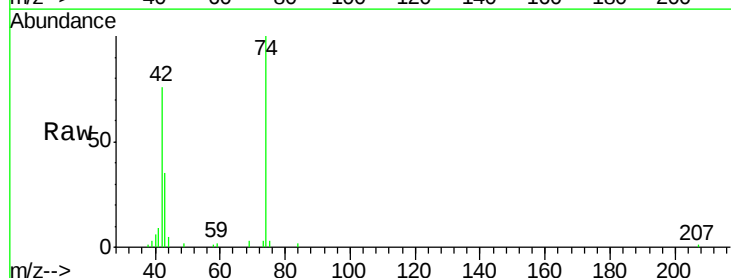
Tgt Ion: 42 Resp: 52362

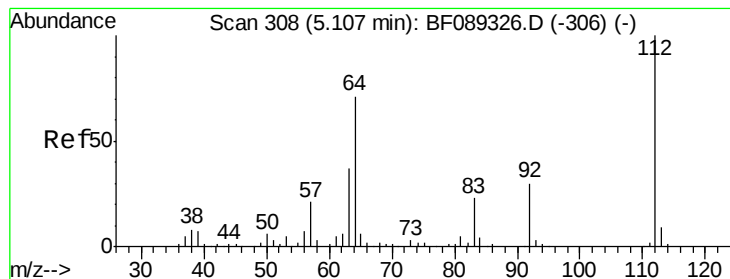
Ion Ratio Lower Upper

42 100

74 131.3 110.8 166.2

44 7.1 5.2 7.8





#5

2-Fluorophenol

Concen: 148.64 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

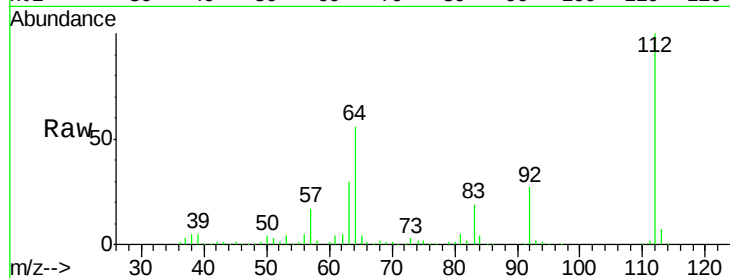
Tgt Ion: 112 Resp: 354677

Ion Ratio Lower Upper

112 100

64 55.9 55.0 82.6

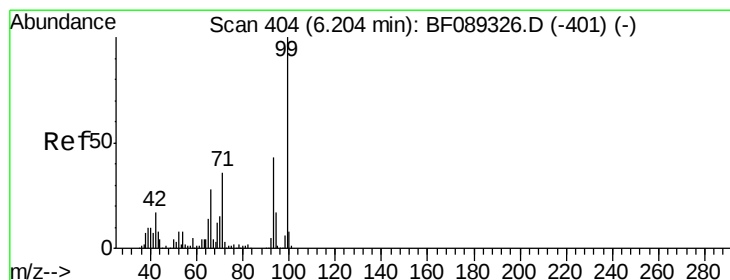
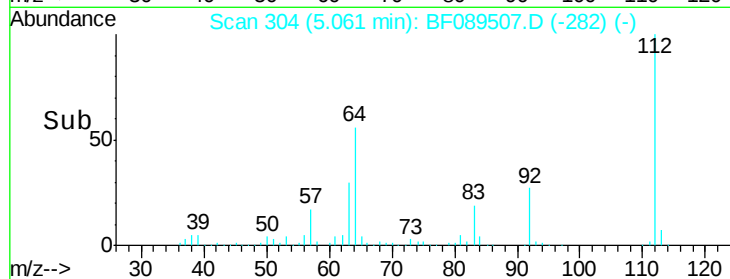
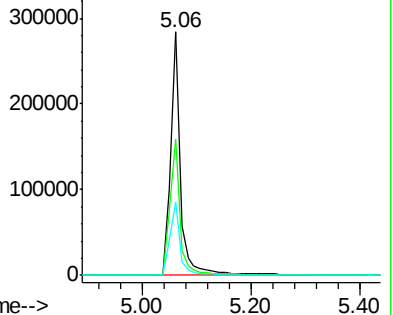
63 30.2 29.4 44.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 16.89 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

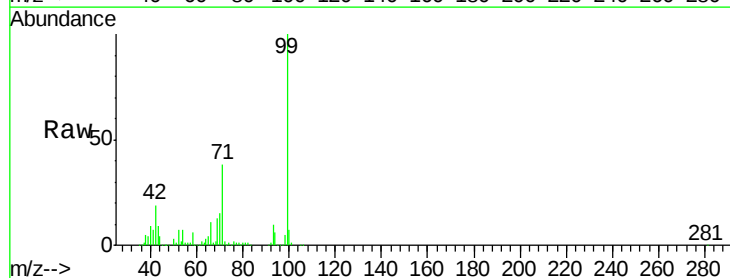
Tgt Ion: 93 Resp: 57493

Ion Ratio Lower Upper

93 100

66 112.3 51.6 77.4#

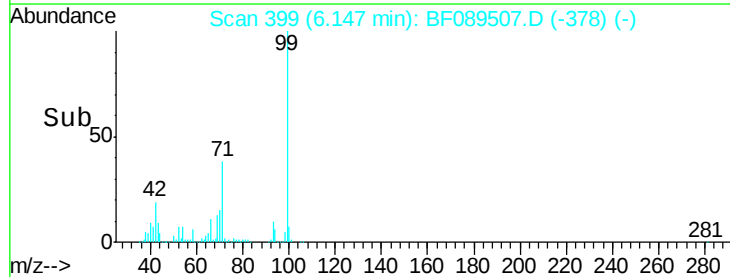
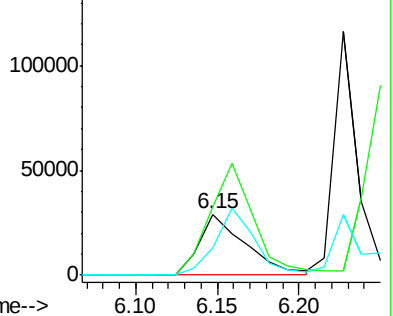
65 44.3 24.7 37.1#

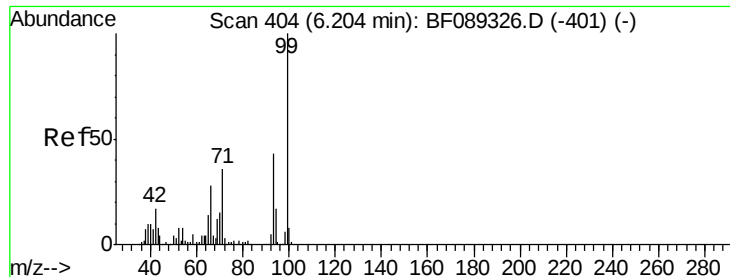


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 139.70 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.06 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

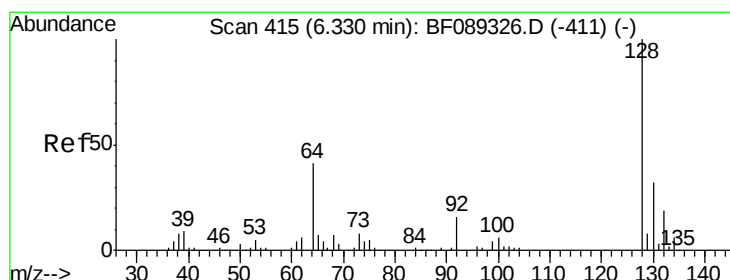
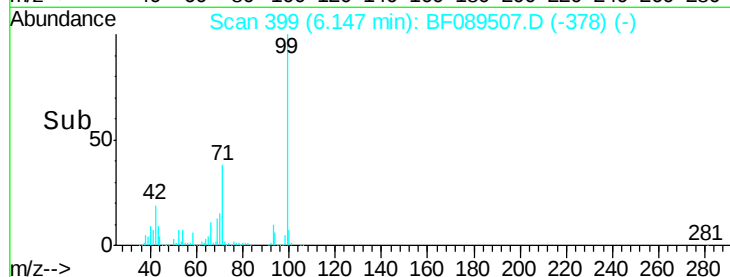
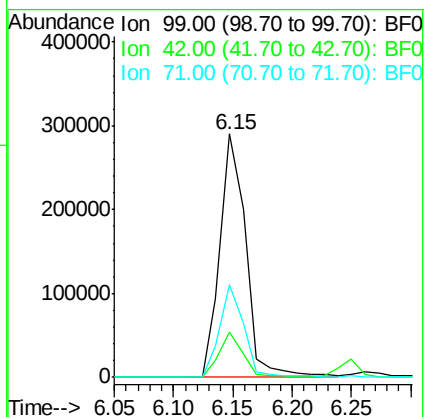
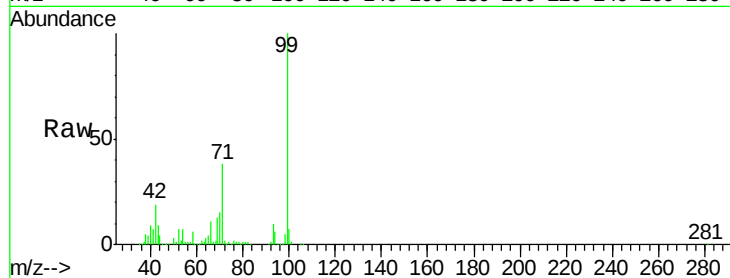
Tgt Ion: 99 Resp: 440517

Ion Ratio Lower Upper

99 100

42 18.7 13.6 20.4

71 37.9 29.4 44.2



#8

2-Chlorophenol

Concen: 48.34 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.07 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

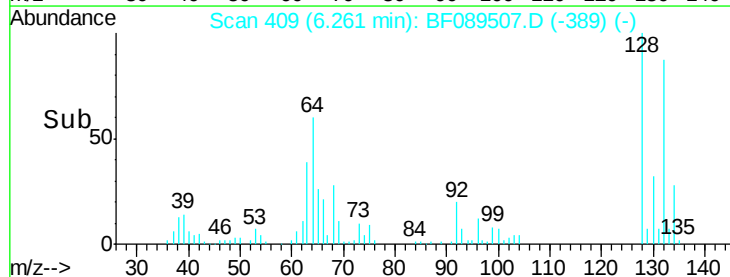
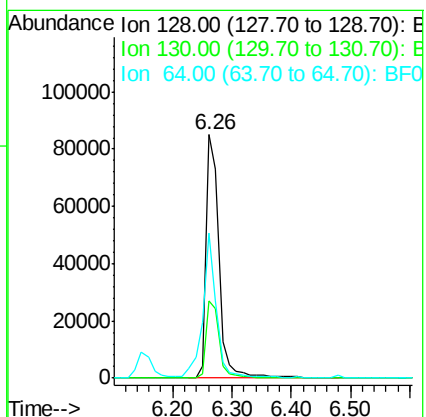
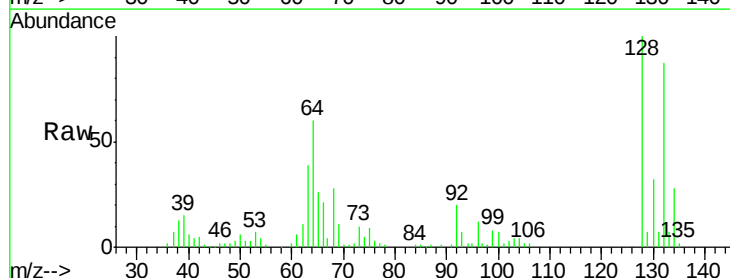
Tgt Ion: 128 Resp: 130461

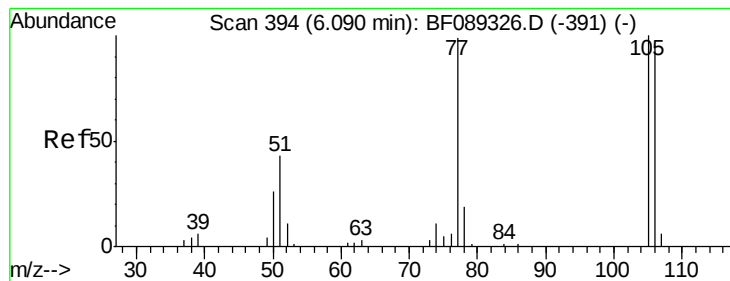
Ion Ratio Lower Upper

128 100

130 31.5 12.6 52.6

64 59.7 22.1 62.1





#9

Benzaldehyde

Concen: 38.22 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.07 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

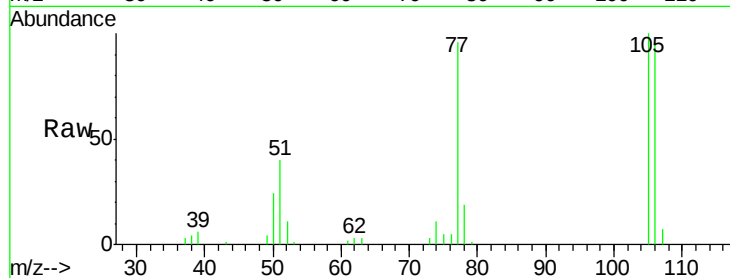
Tgt Ion: 77 Resp: 58853

Ion Ratio Lower Upper

77 100

105 104.2 82.9 122.9

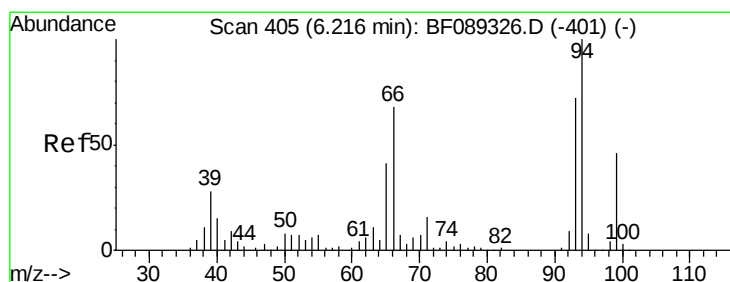
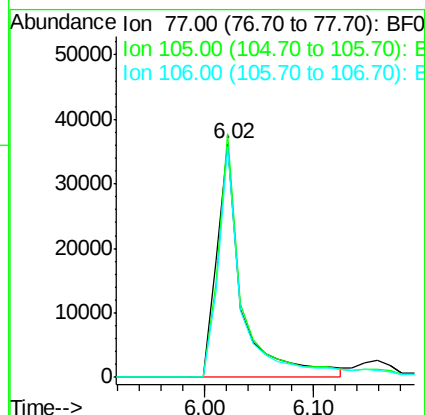
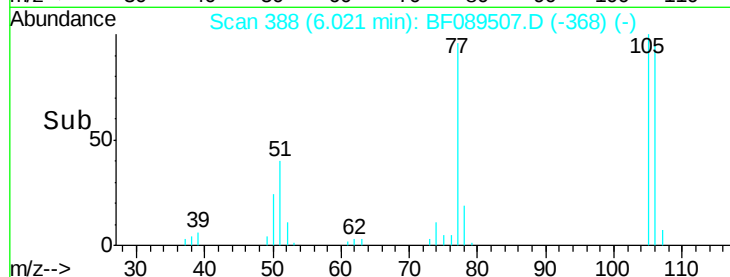
106 99.0 75.9 115.9



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: 45.73 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.06 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

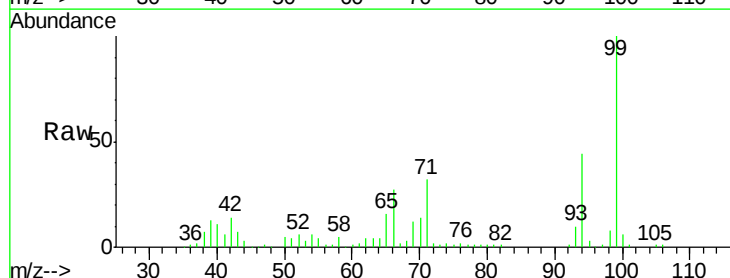
Tgt Ion: 94 Resp: 159139

Ion Ratio Lower Upper

94 100

65 36.6 19.1 59.1

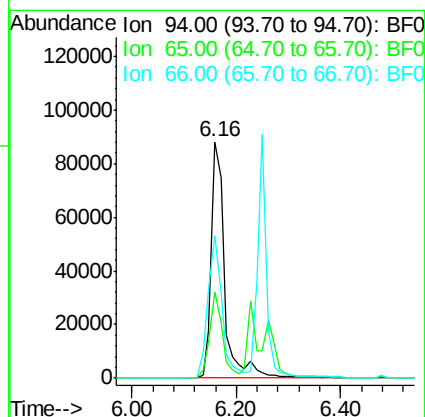
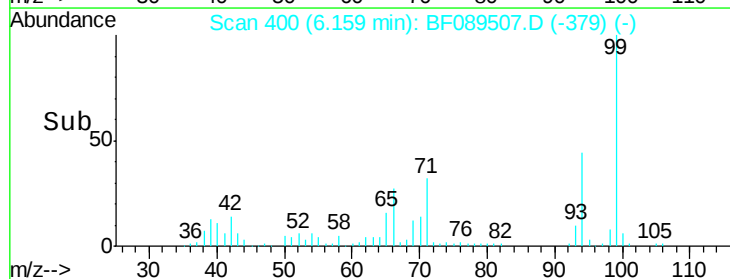
66 60.4 44.4 84.4

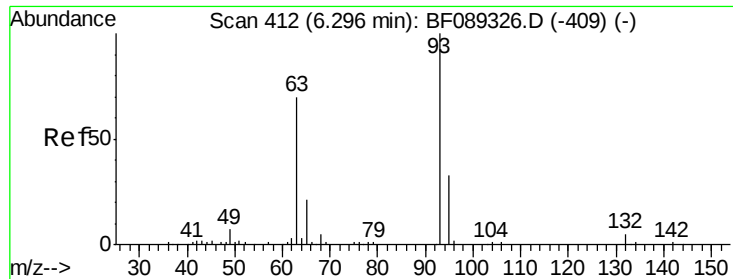


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 43.28 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.07 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

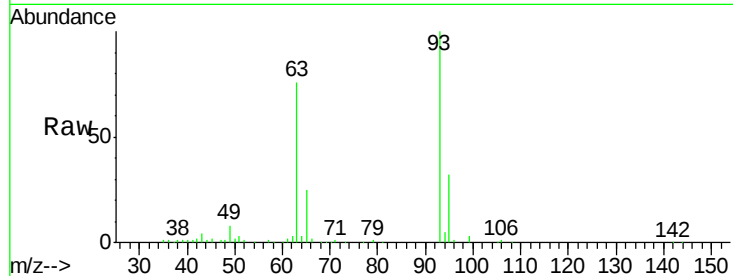
Tgt Ion: 93 Resp: 127971

Ion Ratio Lower Upper

93 100

63 76.5 45.6 85.6

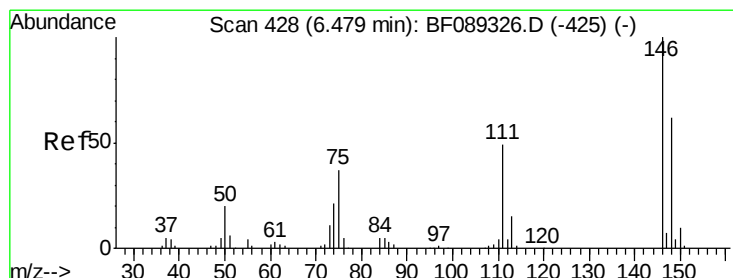
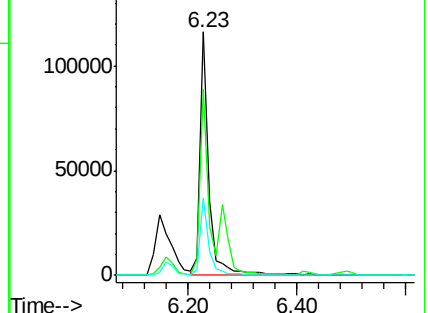
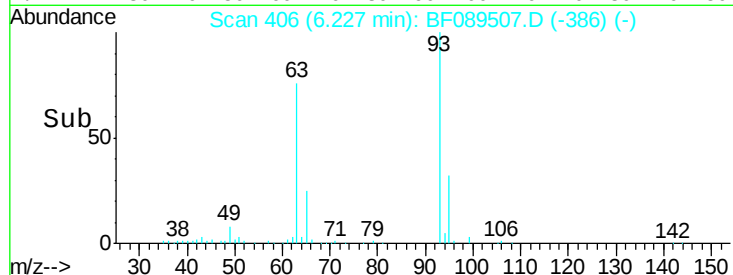
95 31.5 11.1 51.1



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 45.21 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.07 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

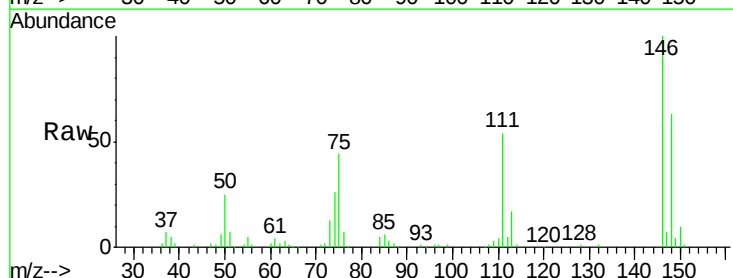
Tgt Ion: 146 Resp: 127629

Ion Ratio Lower Upper

146 100

148 63.3 50.5 75.7

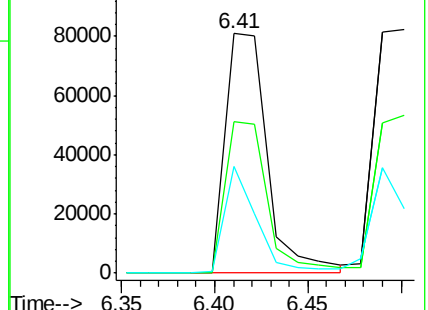
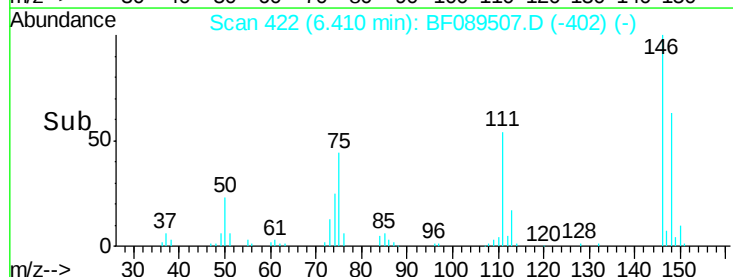
75 44.4 30.0 45.0



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

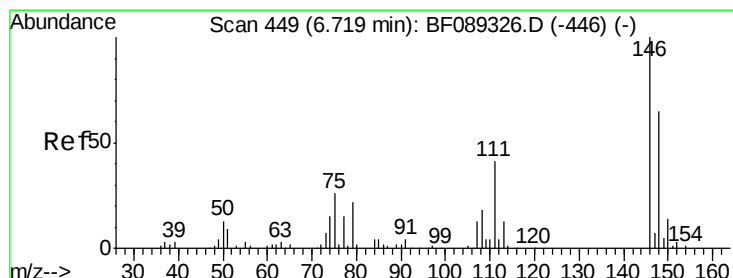
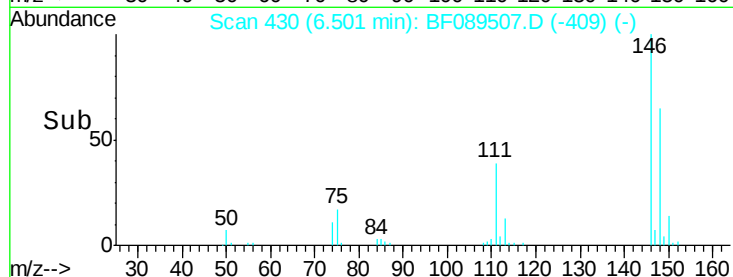
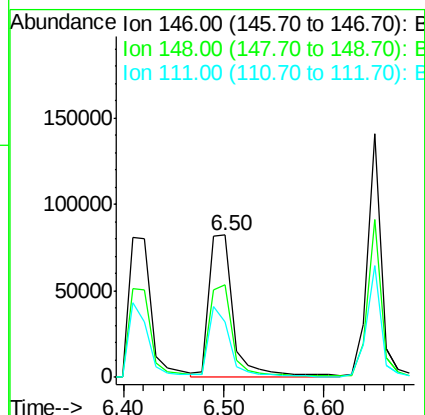
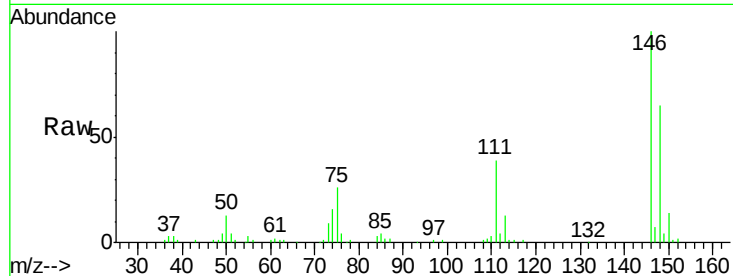




#13
 1,4-Dichlorobenzene
 Concen: 44.68 ng
 RT: 6.50 min Scan# 430
 Delta R.T. -0.06 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

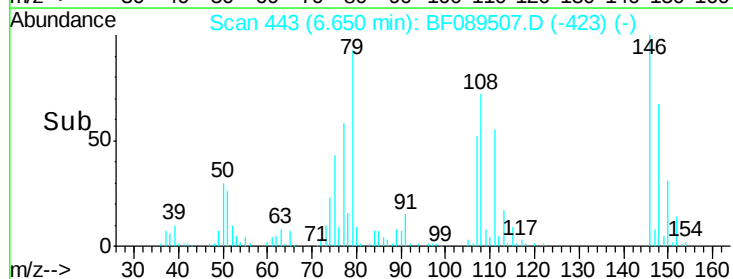
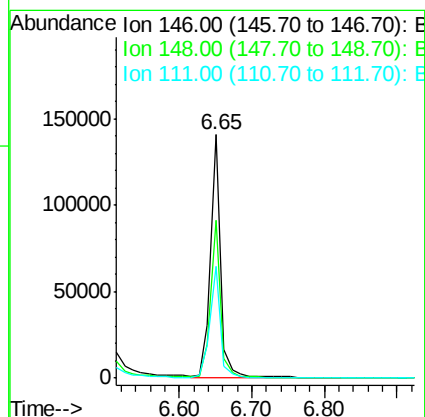
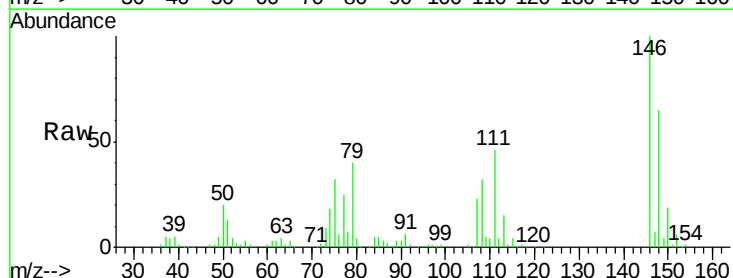
Instrument :
 BNA_F
 ClientSampleId :
 PB92593BS

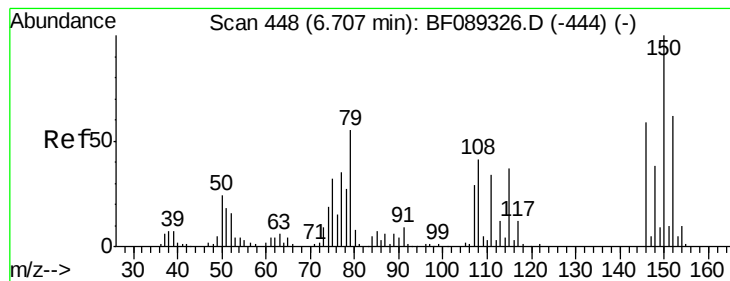
Tgt Ion:146 Resp: 139220
 Ion Ratio Lower Upper
 146 100
 148 65.0 50.8 76.2
 111 38.8 38.6 57.8



#14
 1,2-Dichlorobenzene
 Concen: 46.83 ng
 RT: 6.65 min Scan# 443
 Delta R.T. -0.07 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

Tgt Ion:146 Resp: 136674
 Ion Ratio Lower Upper
 146 100
 148 64.8 50.4 75.6
 111 46.1 33.0 49.4





#15

Benzyl Alcohol

Concen: 57.70 ng

RT: 6.64 min Scan# 442

Delta R.T. -0.07 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

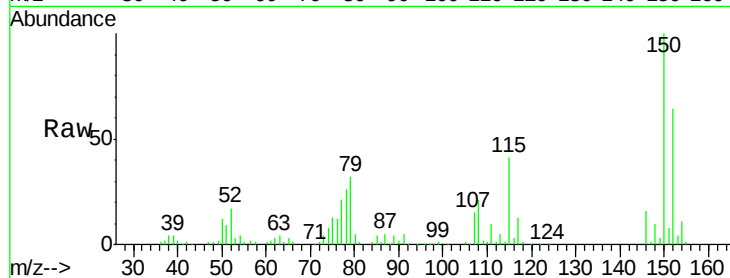
Tgt Ion: 79 Resp: 112922

Ion Ratio Lower Upper

79 100

108 65.5 59.8 89.6

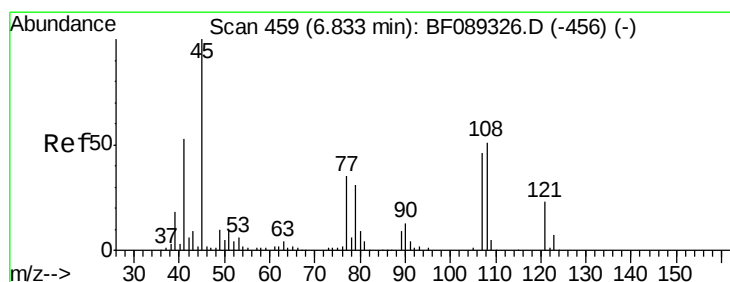
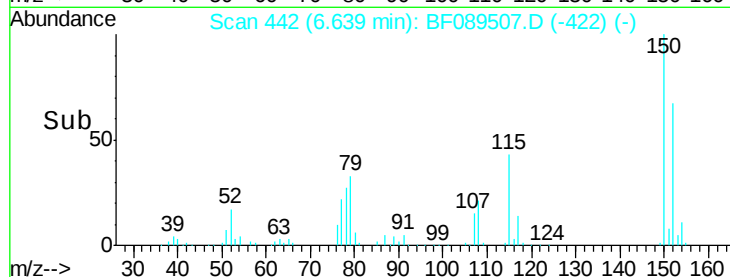
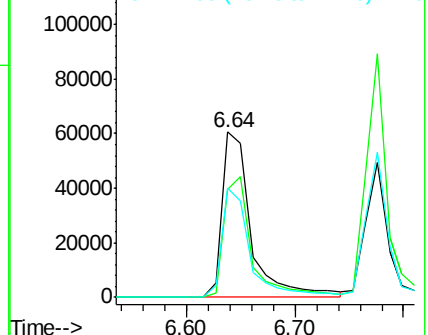
77 66.1 51.7 77.5



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.74 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.06 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

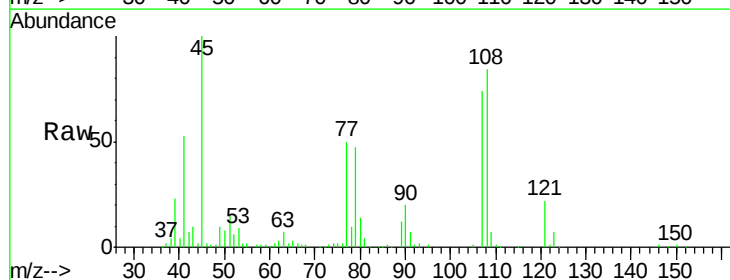
Tgt Ion: 45 Resp: 141050

Ion Ratio Lower Upper

45 100

77 49.9 17.3 57.3

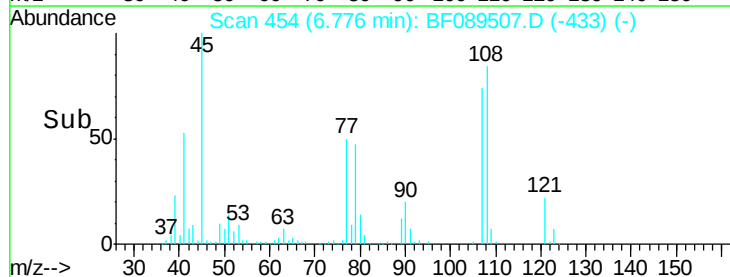
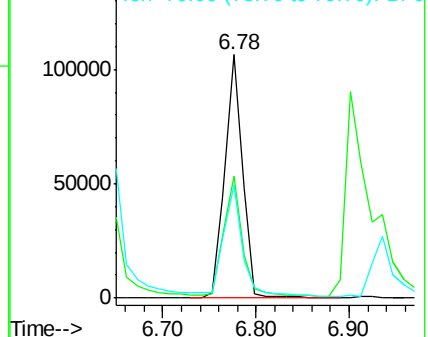
79 46.6 13.9 53.9

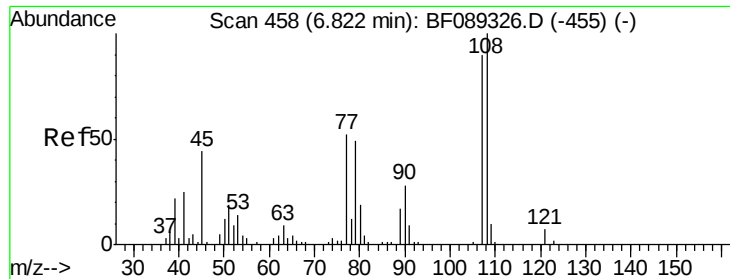


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

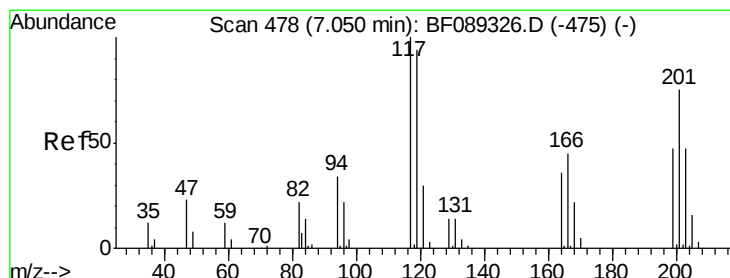
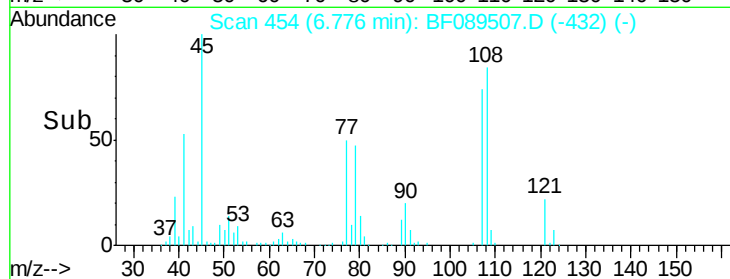
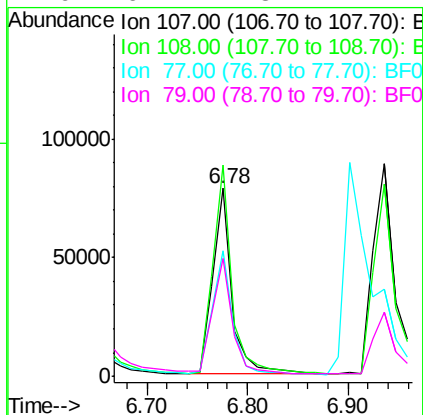
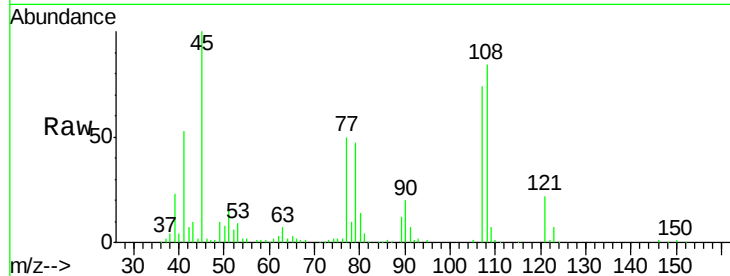




#17
 2-Methylphenol
 Concen: 48.92 ng
 RT: 6.78 min Scan# 454
 Delta R.T. -0.05 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

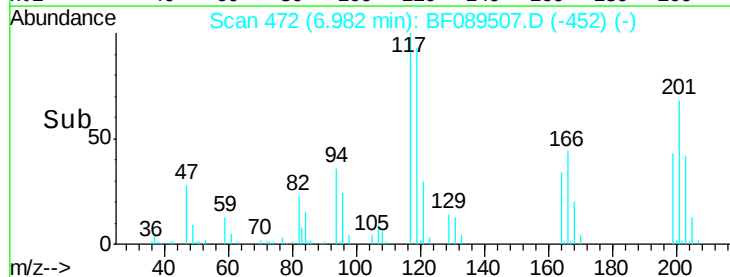
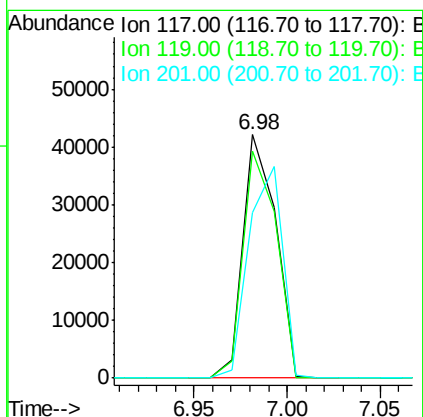
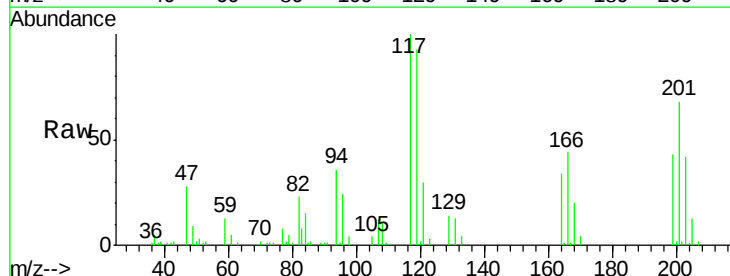
Instrument :
 BNA_F
 ClientSampleId :
 PB92593BS

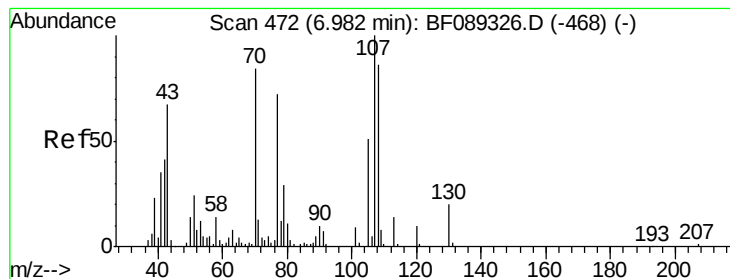
Tgt Ion:	107	Resp:	102063
Ion	Ratio	Lower	Upper
107	100		
108	112.8	91.4	137.0
77	67.1	48.6	73.0
79	62.7	48.2	72.4



#18
 Hexachloroethane
 Concen: 43.20 ng
 RT: 6.98 min Scan# 472
 Delta R.T. -0.07 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

Tgt Ion:	117	Resp:	51605
Ion	Ratio	Lower	Upper
117	100		
119	93.2	76.0	114.0
201	68.2	60.0	90.0





#19

n-Nitroso-di-n-propylamine

Concen: 49.00 ng

RT: 6.91 min Scan# 466

Delta R.T. -0.07 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Instrument :

BNA_F

ClientSampleId :

PB92593BS

Tgt Ion: 70 Resp: 93170

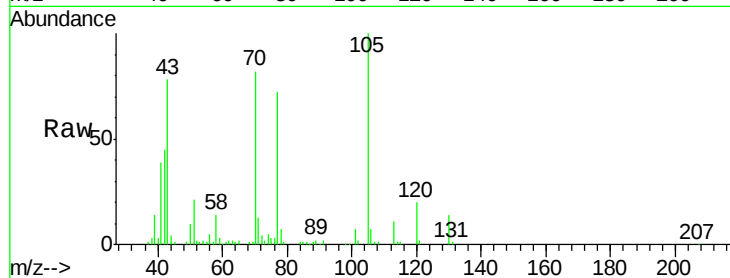
Ion Ratio Lower Upper

70 100

42 55.3 38.6 57.8

101 8.6 8.3 12.5

130 17.4 19.0 28.4#



Abundance

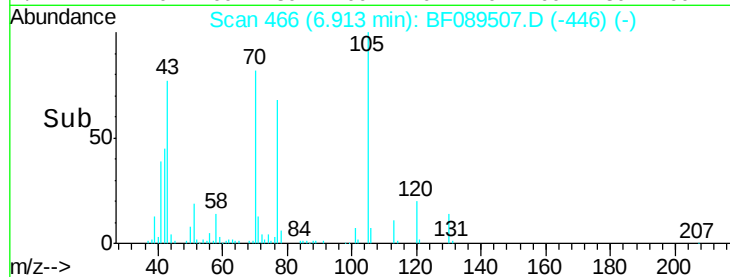
Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

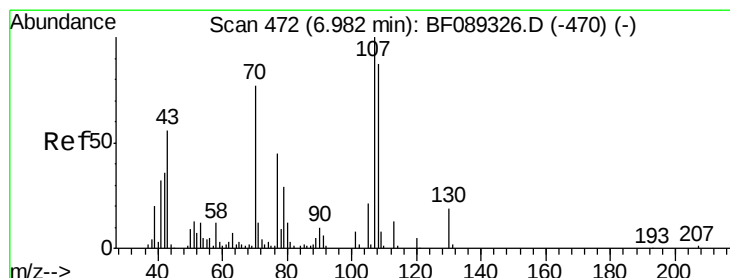
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



Time-->



#20

3+4-Methylphenols

Concen: 52.55 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.05 min

Lab File: BF089507.D

Acq: 1 Aug 2016 13:08

Tgt Ion: 107 Resp: 140777

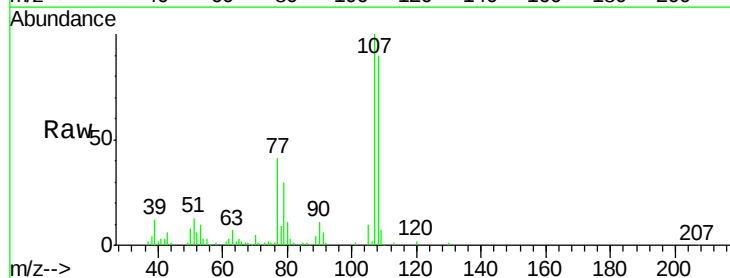
Ion Ratio Lower Upper

107 100

108 90.2 63.3 103.3

77 40.9 51.1 91.1#

79 30.2 9.3 49.3



Abundance

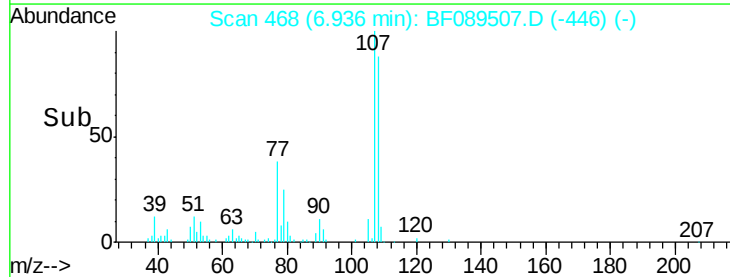
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

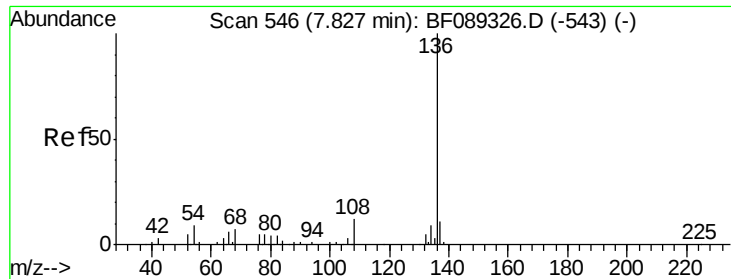
Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

Time-->



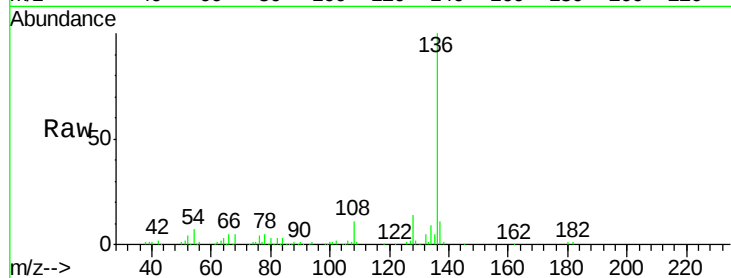
Time-->



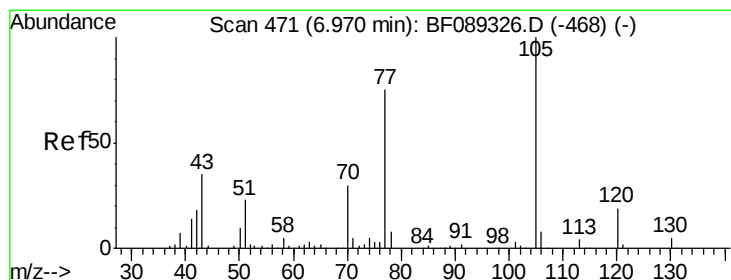
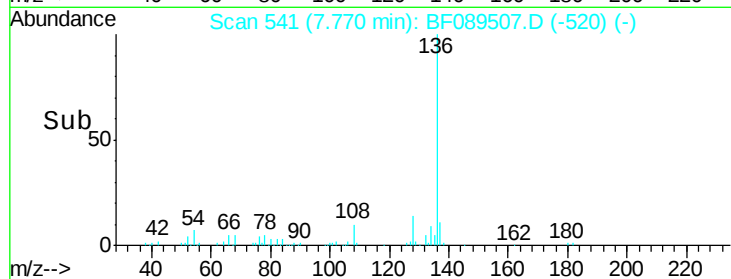
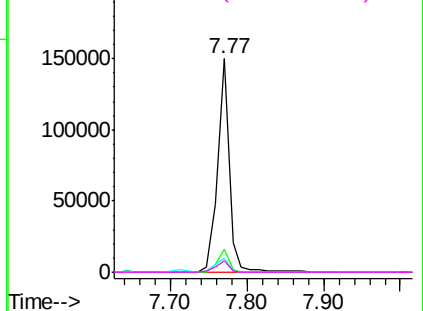
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.06 min
Lab File: BF089507.D
Acq: 1 Aug 2016 13:08

Instrument :
BNA_F
ClientSampleId :
PB92593BS

Tgt Ion:	136	Resp:	161164
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.7	7.0	10.4#
68	5.1	4.9	7.3

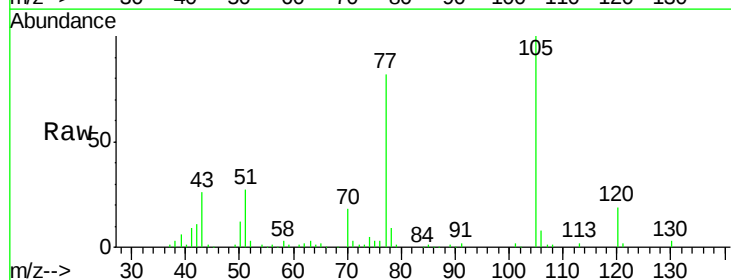


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

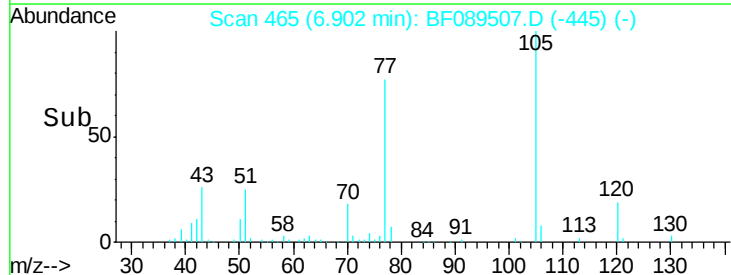
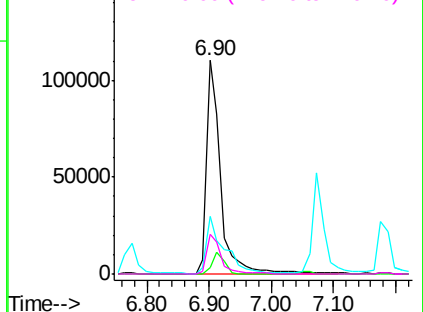


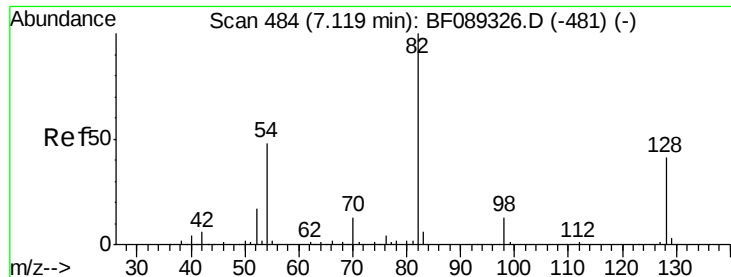
#22
Acetophenone
Concen: 45.17 ng
RT: 6.90 min Scan# 465
Delta R.T. -0.07 min
Lab File: BF089507.D
Acq: 1 Aug 2016 13:08

Tgt Ion:	105	Resp:	173324
Ion	Ratio	Lower	Upper
105	100		
71	3.2	4.2	6.2#
51	26.9	18.7	28.1
120	18.8	15.8	23.6



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

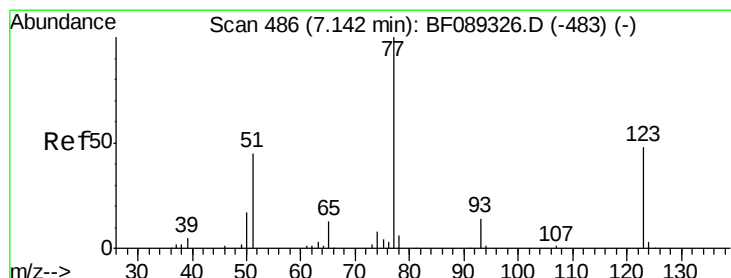
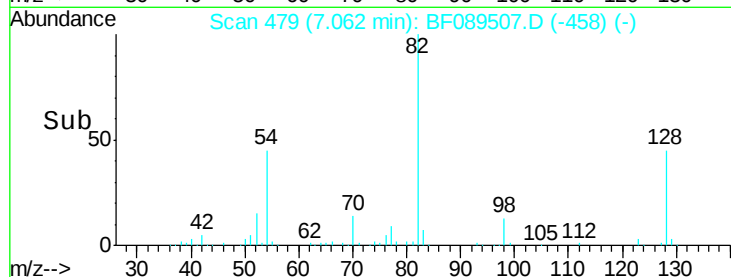
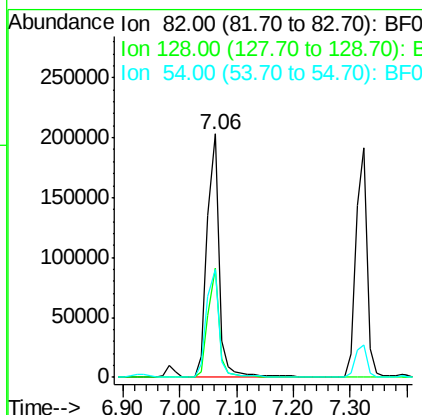
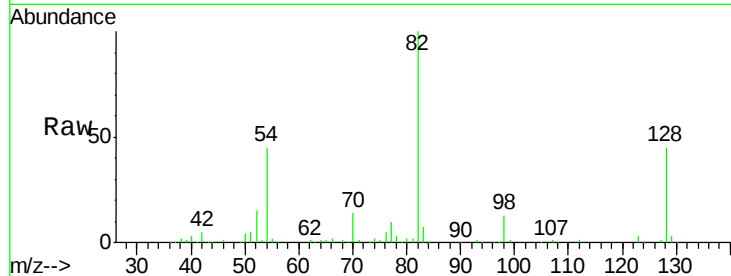




#23
 Nitrobenzene-d5
 Concen: 105.37 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.06 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

Instrument :
 BNA_F
 ClientSampleId :
 PB92593BS

Tgt Ion: 82 Resp: 287699
 Ion Ratio Lower Upper
 82 100
 128 45.0 32.5 48.7
 54 44.5 38.8 58.2



#24
 Nitrobenzene
 Concen: 44.00 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.07 min
 Lab File: BF089507.D
 Acq: 1 Aug 2016 13:08

Tgt Ion: 77 Resp: 136744
 Ion Ratio Lower Upper
 77 100
 123 37.2 37.2 55.8#
 65 13.9 10.2 15.4

