

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089735.D
 Acq On : 17 Aug 2016 1:23
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 17 04:24:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	668371	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2673416	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1312640	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	2434142	20.00	ng	0.01
75) Chrysene-d12	13.87	240	1983422	20.00	ng	-0.02
86) Perylene-d12	15.34	264	1713950	20.00	ng	-0.07

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	3284949	82.00	ng	0.00
7) Phenol-d6	6.34	99	4043013	79.35	ng	0.01
23) Nitrobenzene-d5	7.27	82	3524422	80.50	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	916027	72.13	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	5204952	63.63	ng	0.00
78) Terphenyl-d14	12.81	244	5098599	76.80	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.20	88	754535	36.49	ng	98
3) Pyridine	2.84	79	1970605	36.98	ng	99
4) n-Nitrosodimethylamine	2.81	42	810628	37.90	ng	# 89
6) Aniline	6.36	93	2669060	38.97	ng	99
8) 2-Chlorophenol	6.48	128	1748587	36.70	ng	97
9) Benzaldehyde	6.24	77	1243587	36.82	ng	93
10) Phenol	6.35	94	2540621	40.06	ng	99
11) bis(2-Chloroethyl)ether	6.44	93	1923414	40.93	ng	98
12) 1,3-Dichlorobenzene	6.64	146	1871236	36.74	ng	98
13) 1,4-Dichlorobenzene	6.72	146	1998134	38.73	ng	99
14) 1,2-Dichlorobenzene	6.88	146	1837164	37.34	ng	99
15) Benzyl Alcohol	6.84	79	1257725	36.94	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2290594	37.15	ng	94
17) 2-Methylphenol	6.96	107	1527253	40.34	ng	99
18) Hexachloroethane	7.22	117	754345	39.89	ng	97
19) n-Nitroso-di-n-propylamine	7.13	70	1204512	36.10	ng	96
20) 3+4-Methylphenols	7.12	107	1648912	34.01	ng	96
22) Acetophenone	7.12	105	2344108	37.72	ng	92
24) Nitrobenzene	7.29	77	2039787	41.42	ng	95
25) Isophorone	7.53	82	3431029	39.17	ng	100
26) 2-Nitrophenol	7.61	139	999199	43.12	ng	98
27) 2,4-Dimethylphenol	7.66	122	1908166	43.44	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	1949807	36.63	ng	99
29) 2,4-Dichlorophenol	7.85	162	1563161	42.74	ng	99
30) 1,2,4-Trichlorobenzene	7.93	180	1501978	38.26	ng	99
31) Naphthalene	8.01	128	4490964	37.43	ng	95
32) Benzoic acid	7.78	122	1378746	40.37	ng	98
33) 4-Chloroaniline	8.07	127	2193868	39.51	ng	98
34) Hexachlorobutadiene	8.14	225	794931	38.54	ng	98
35) Caprolactam	8.44	113	438903	38.94	ng	85
36) 4-Chloro-3-methylphenol	8.55	107	1636801	41.11	ng	95
37) 2-Methylnaphthalene	8.71	142	3363298	41.18	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1440663	34.14	ng	98
40) Hexachlorocyclopentadiene	8.87	237	743517	39.54	ng	97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089735.D
 Acq On : 17 Aug 2016 1:23
 Operator : UM/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Quant Time: Aug 17 04:24:25 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 16 19:45:04 2016
 Response via : Initial Calibration

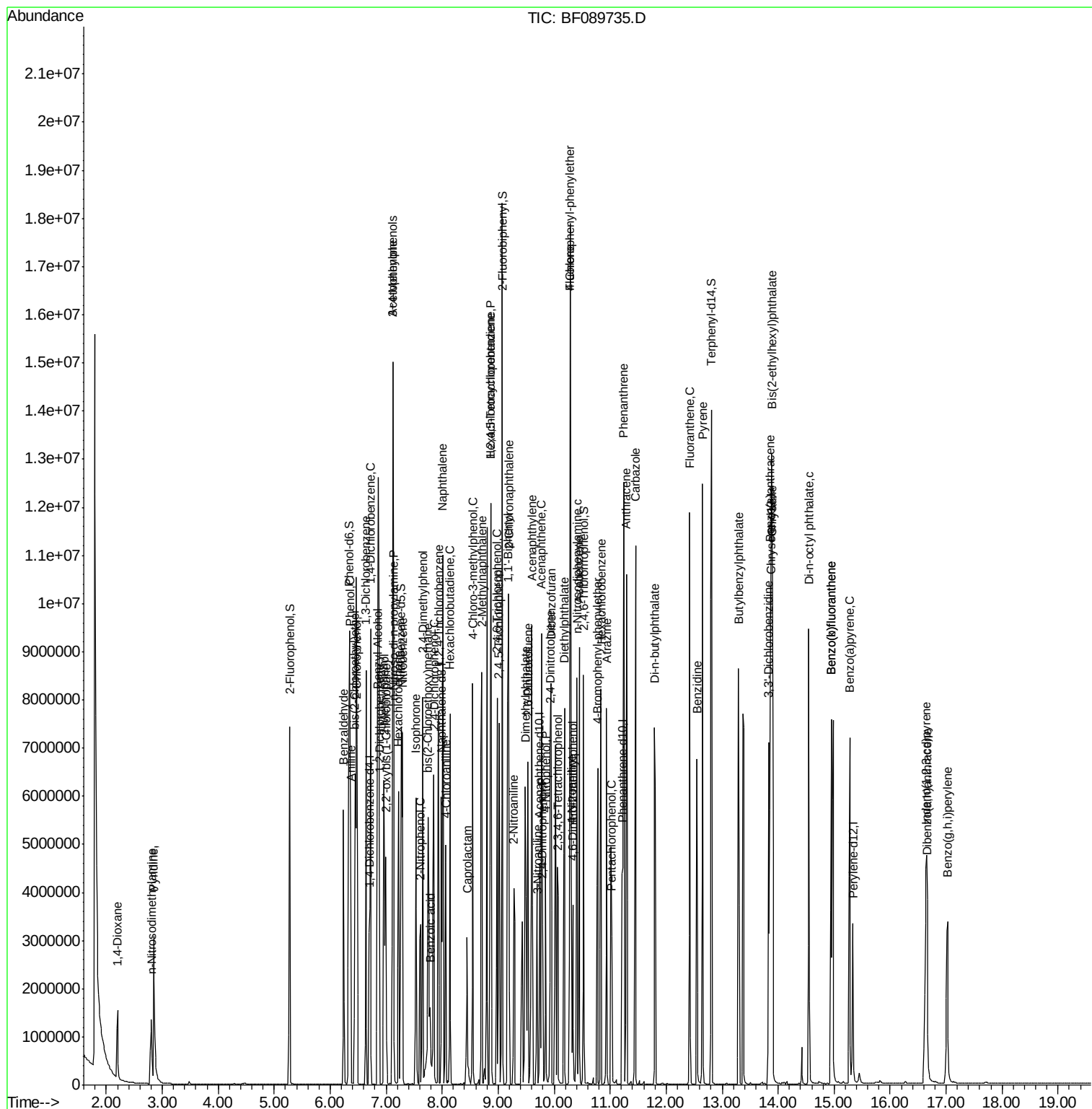
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1243005	45.60	ng	99
43) 2,4,5-Trichlorophenol	9.02	196	931074	35.82	ng	96
45) 1,1'-Biphenyl	9.18	154	4016968	36.95	ng	94
46) 2-Chloronaphthalene	9.19	162	2911920	35.75	ng	98
47) 2-Nitroaniline	9.28	65	936427	37.72	ng	96
48) Acenaphthylene	9.60	152	4587406	36.58	ng	97
49) Dimethylphthalate	9.48	163	3778631	39.78	ng	# 99
50) 2,6-Dinitrotoluene	9.53	165	762924	35.49	ng	86
51) Acenaphthene	9.77	154	3244480	38.34	ng	99
52) 3-Nitroaniline	9.70	138	1060334	42.42	ng	# 68
53) 2,4-Dinitrophenol	9.79	184	325764	34.96	ng	# 80
54) Dibenzofuran	9.94	168	3778238	36.28	ng	99
55) 4-Nitrophenol	9.85	139	737469	38.35	ng	# 82
56) 2,4-Dinitrotoluene	9.93	165	1112692	40.27	ng	# 70
57) Fluorene	10.28	166	2916948	34.67	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.07	232	782635	38.55	ng	97
59) Diethylphthalate	10.18	149	3815718	39.62	ng	96
60) 4-Chlorophenyl-phenylether	10.28	204	1344259	32.54	ng	95
61) 4-Nitroaniline	10.31	138	918686	37.86	ng	94
62) Azobenzene	10.44	77	3592473	39.48	ng	97
64) 4,6-Dinitro-2-methylphenol	10.33	198	511591	36.20	ng	75
65) n-Nitrosodiphenylamine	10.41	169	3125793	40.92	ng	99
66) 4-Bromophenyl-phenylether	10.78	248	1034118	41.02	ng	# 88
67) Hexachlorobenzene	10.83	284	1092991	39.00	ng	# 86
68) Atrazine	10.94	200	850710	36.76	ng	96
69) Pentachlorophenol	11.03	266	698776	40.03	ng	99
70) Phenanthrene	11.24	178	4841881	40.47	ng	93
71) Anthracene	11.29	178	4440161	35.52	ng	97
72) Carbazole	11.45	167	4691988	39.61	ng	96
73) Di-n-butylphthalate	11.79	149	5559118	38.59	ng	98
74) Fluoranthene	12.42	202	4330179	36.02	ng	91
76) Benzidine	12.55	184	2500454	35.12	ng	98
77) Pyrene	12.65	202	4767042	36.73	ng	92
79) Butylbenzylphthalate	13.29	149	2315761	35.56	ng	# 79
80) Benzo(a)anthracene	13.86	228	4394611	38.14	ng	97
81) 3,3'-Dichlorobenzidine	13.83	252	1595805	38.01	ng	97
82) Chrysene	13.90	228	3659757	35.29	ng	98
83) Bis(2-ethylhexyl)phthalate	13.89	149	3317779	38.50	ng	# 97
84) Di-n-octyl phthalate	14.55	149	4987740	37.24	ng	99
85) Indeno(1,2,3-cd)pyrene	16.64	276	3438018	38.91	ng	99
87) Benzo(b)fluoranthene	14.95	252	3667836	33.77	ng	97
88) Benzo(k)fluoranthene	14.95	252	3667836	41.03	ng	98
89) Benzo(a)pyrene	15.28	252	3528206	39.35	ng	96
90) Dibenzo(a,h)anthracene	16.66	278	2827153	40.04	ng	97
91) Benzo(g,h,i)perylene	17.03	276	2825671	39.33	ng	95

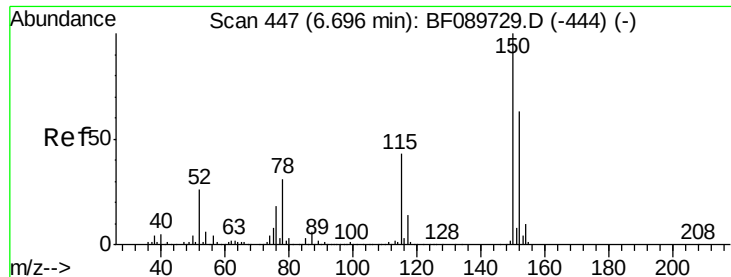
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\  
Data File : BF089735.D  
Acq On    : 17 Aug 2016    1:23  
Operator  : UM/SJ  
Sample    : SSTCCCC040  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 17 04:24:25 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 16 19:45:04 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

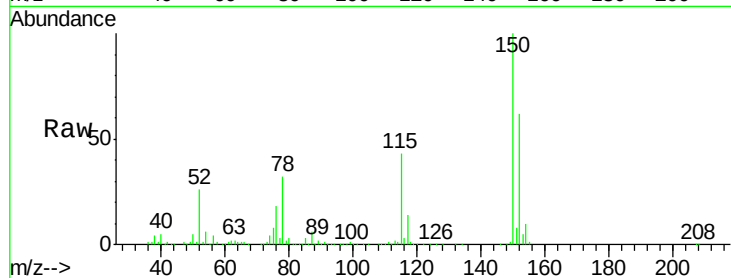
Tgt Ion:152 Resp: 668371

Ion Ratio Lower Upper

152 100

150 160.2 125.3 187.9

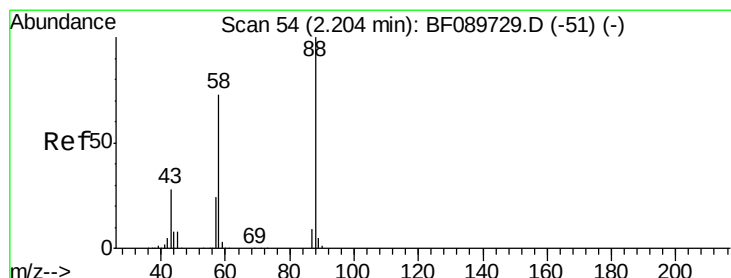
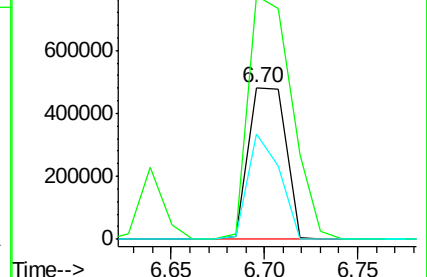
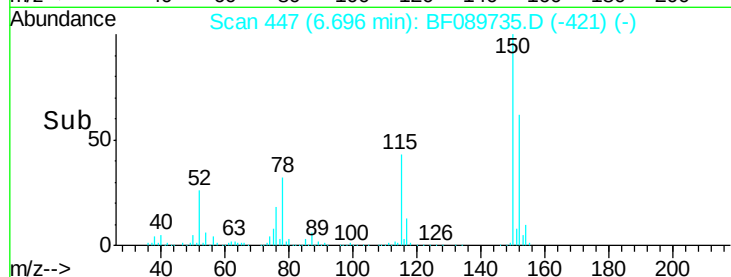
115 69.0 40.9 61.3#



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: 36.49 ng

RT: 2.20 min Scan# 54

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

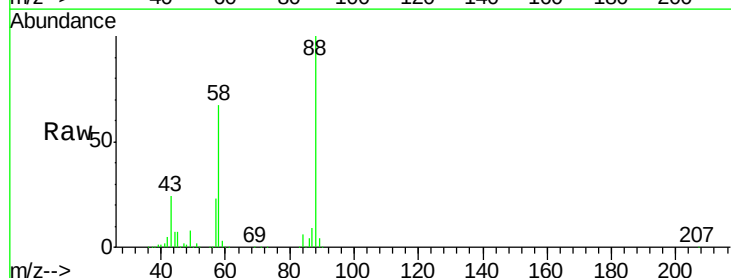
Tgt Ion: 88 Resp: 754535

Ion Ratio Lower Upper

88 100

58 69.4 57.0 85.4

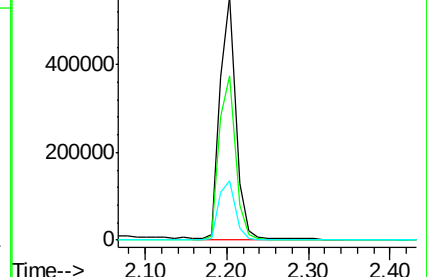
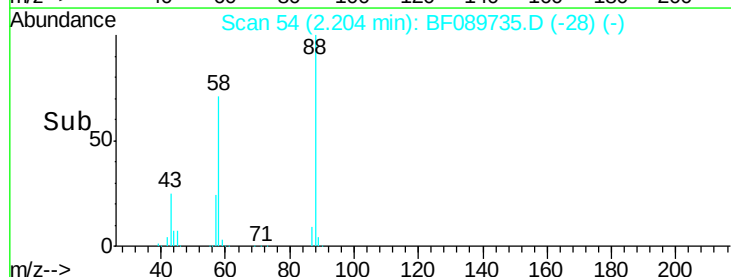
43 25.9 21.8 32.8

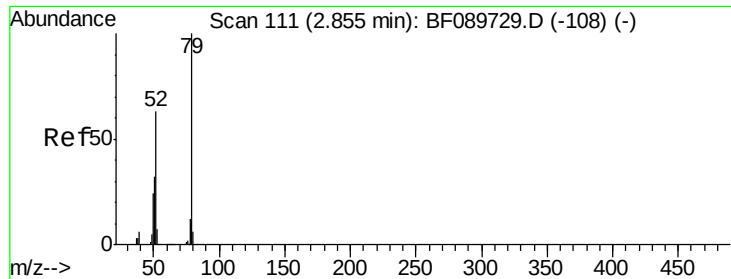


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 36.98 ng

RT: 2.84 min Scan# 110

Delta R.T. -0.01 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

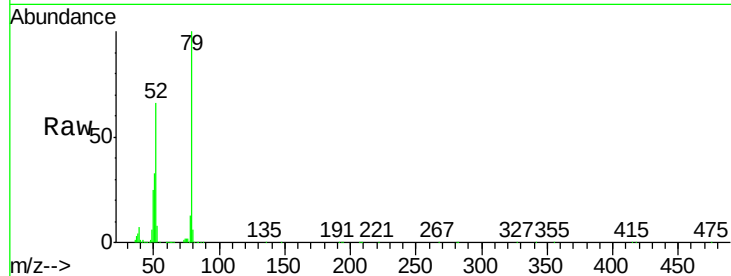
Tgt Ion: 79 Resp: 1970605

Ion Ratio Lower Upper

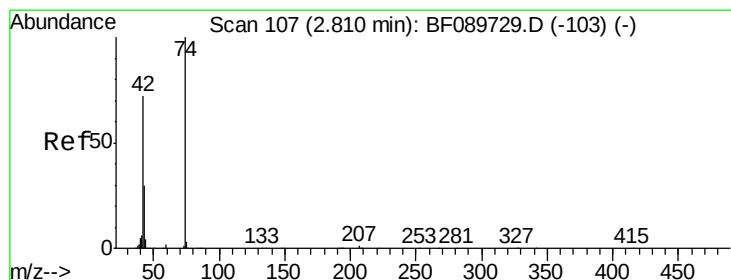
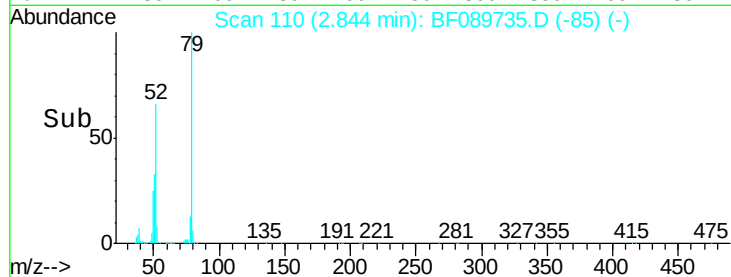
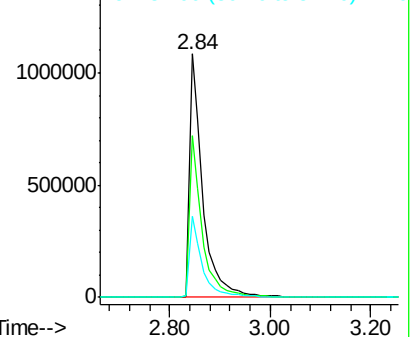
79 100

52 66.2 53.6 80.4

51 33.0 26.6 39.8



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: 37.90 ng

RT: 2.81 min Scan# 107

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

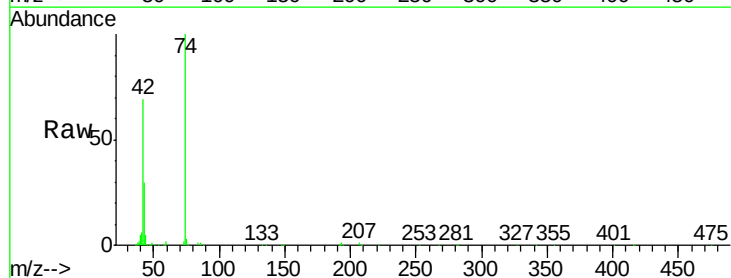
Tgt Ion: 42 Resp: 810628

Ion Ratio Lower Upper

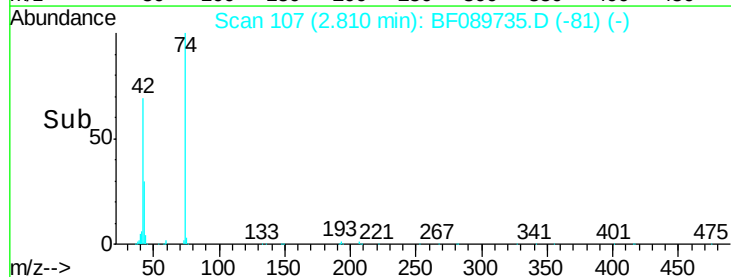
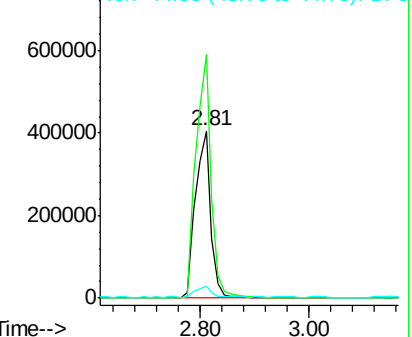
42 100

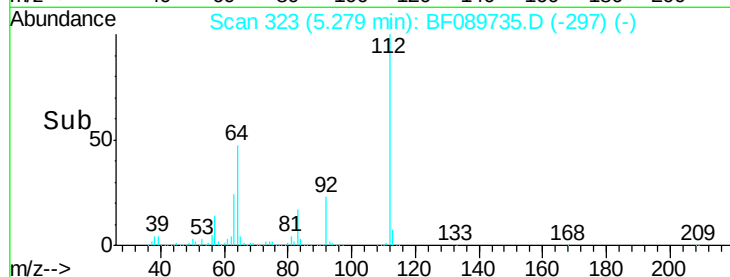
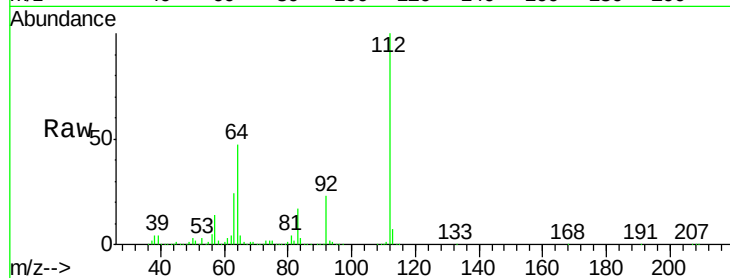
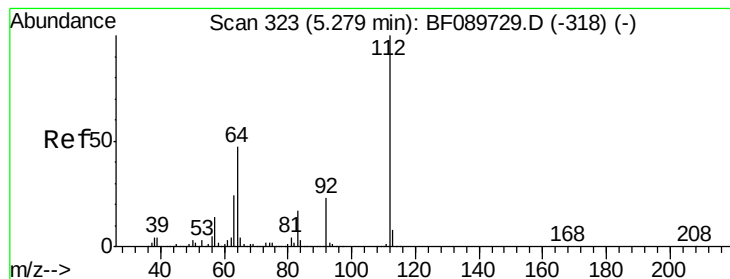
74 145.8 106.2 159.2

44 6.9 6.9 10.3#



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: 82.00 ng

RT: 5.28 min Scan# 323

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

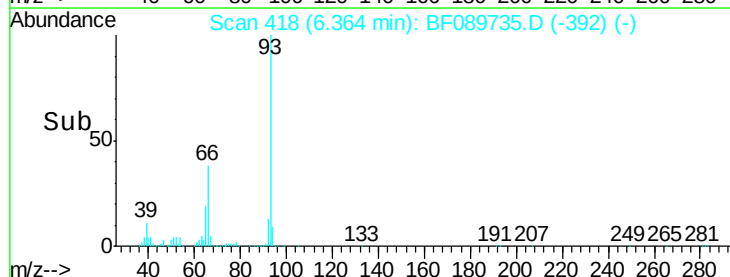
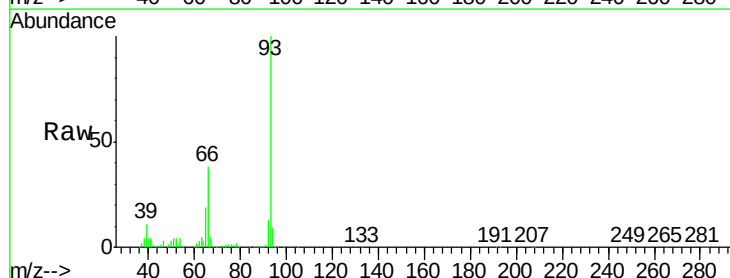
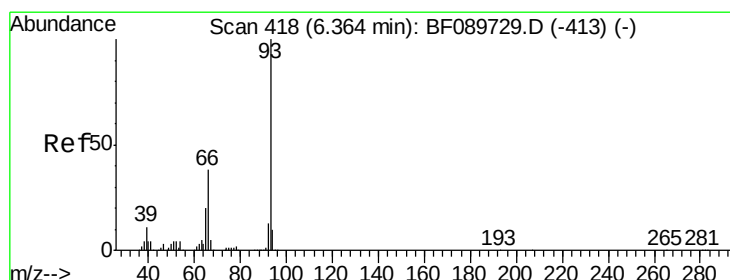
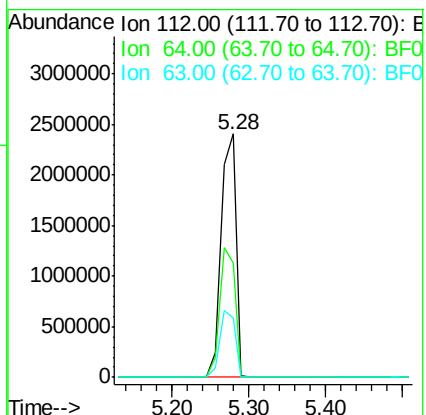
Tgt Ion:112 Resp: 3284949

Ion Ratio Lower Upper

112 100

64 47.1 45.0 67.4

63 24.4 23.1 34.7



#6

Aniline

Concen: 38.97 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

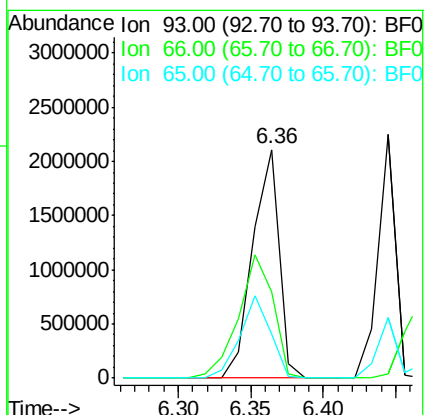
Tgt Ion: 93 Resp: 2669060

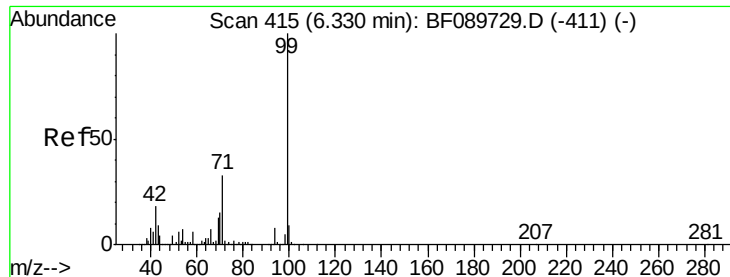
Ion Ratio Lower Upper

93 100

66 37.9 30.6 46.0

65 19.5 15.4 23.2





#7

Phenol-d6

Concen: 79.35 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

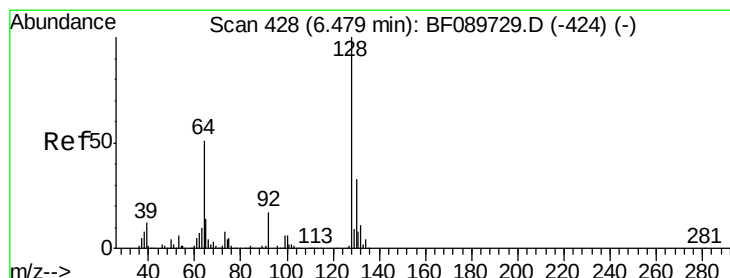
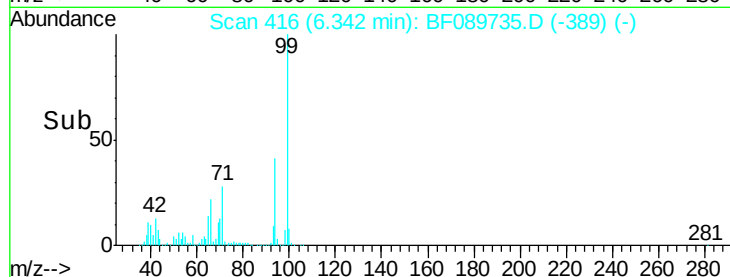
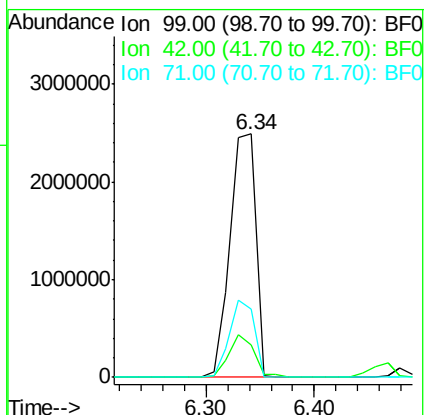
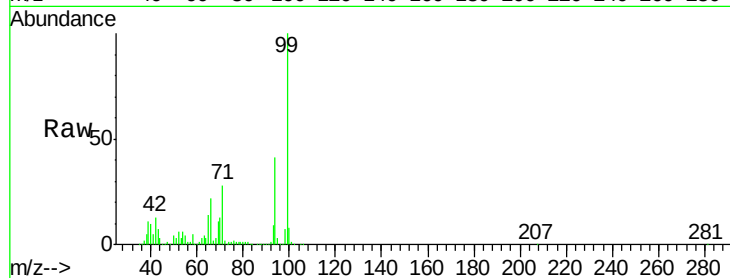
Tgt Ion: 99 Resp: 4043013

Ion Ratio Lower Upper

99 100

42 13.2 12.2 18.4

71 28.0 23.8 35.8



#8

2-Chlorophenol

Concen: 36.70 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

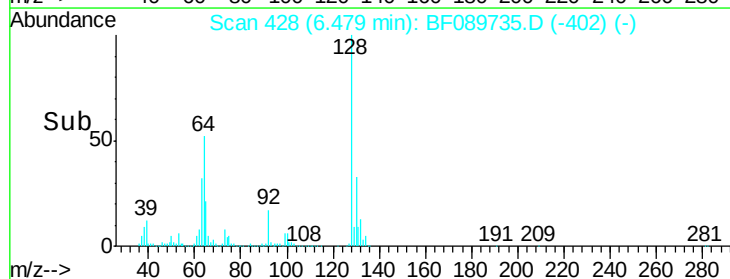
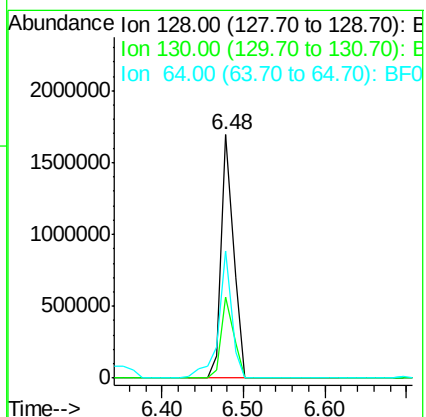
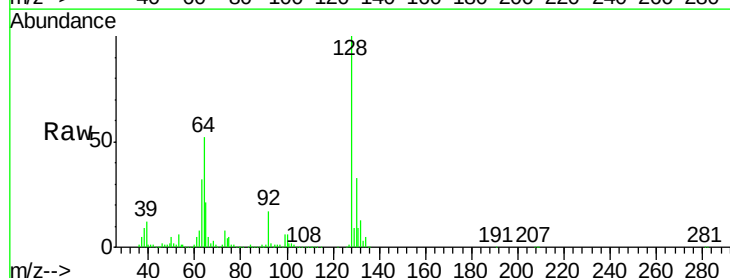
Tgt Ion: 128 Resp: 1748587

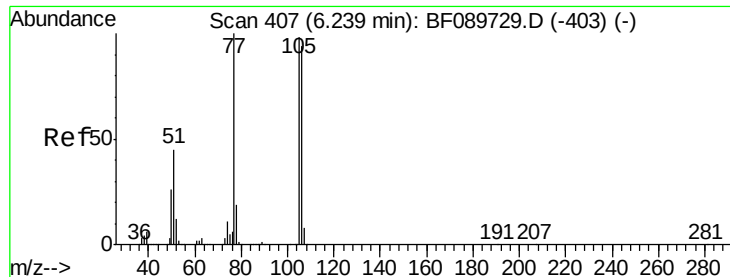
Ion Ratio Lower Upper

128 100

130 33.2 12.0 52.0

64 52.1 35.1 75.1





#9

Benzaldehyde

Concen: 36.82 ng

RT: 6.24 min Scan# 407

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

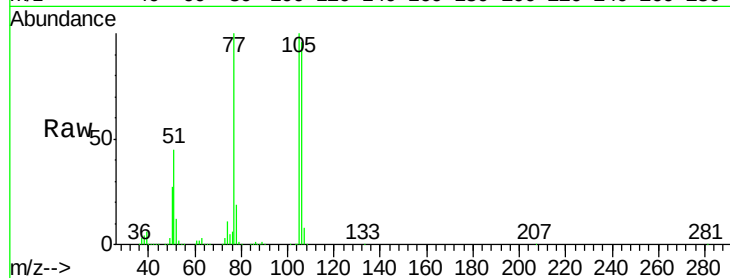
Tgt Ion: 77 Resp: 1243587

Ion Ratio Lower Upper

77 100

105 99.9 73.3 113.3

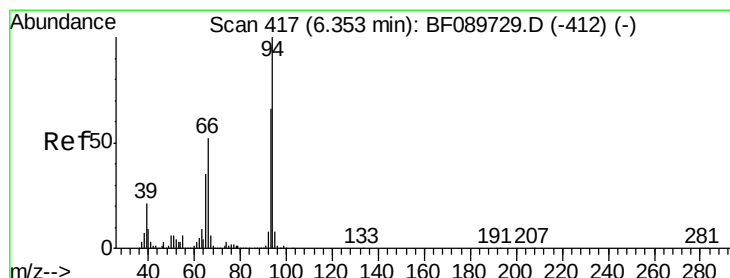
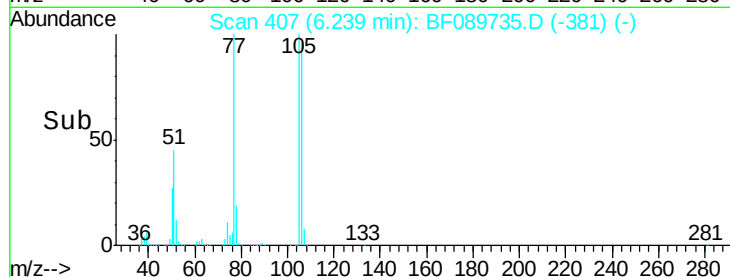
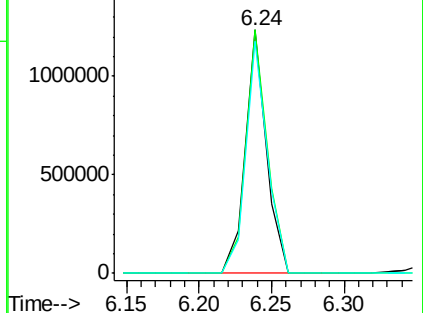
106 95.5 68.6 108.6



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: 40.06 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

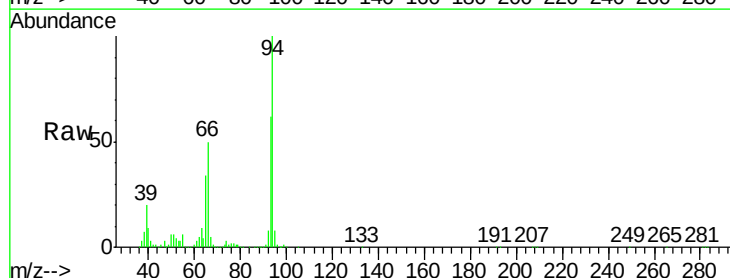
Tgt Ion: 94 Resp: 2540621

Ion Ratio Lower Upper

94 100

65 33.6 14.0 54.0

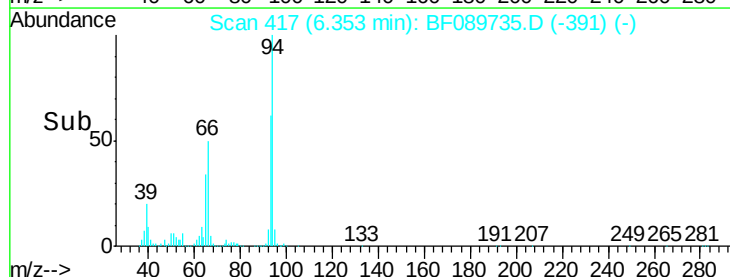
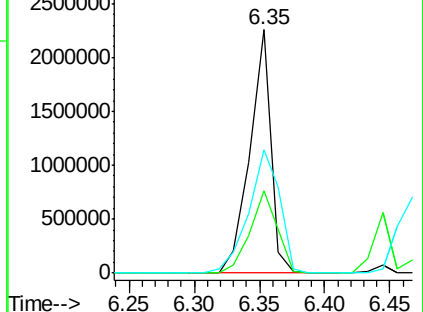
66 50.4 31.2 71.2

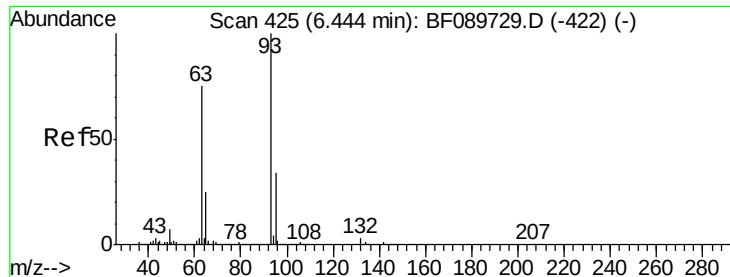


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



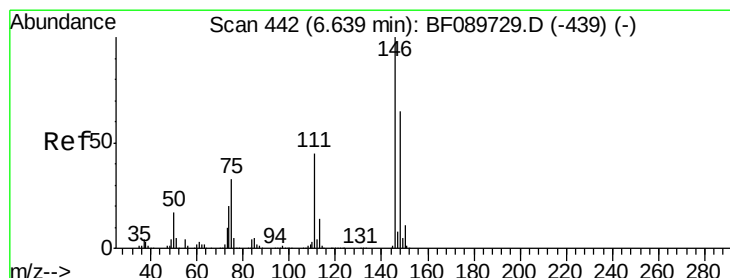
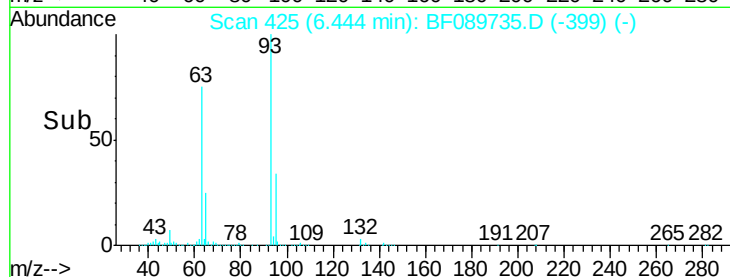
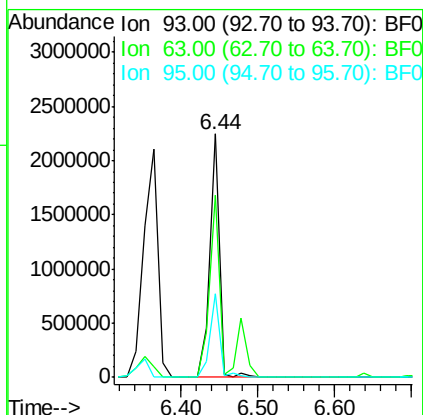
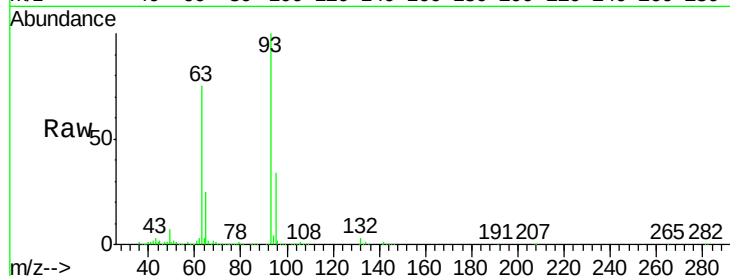


#11
 bis(2-Chloroethyl)ether
 Concen: 40.93 ng
 RT: 6.44 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

Tgt Ion: 93 Resp: 1923414

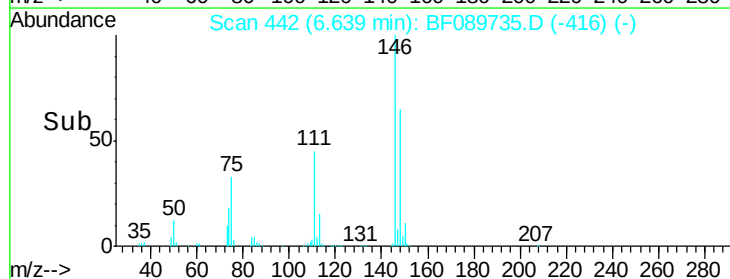
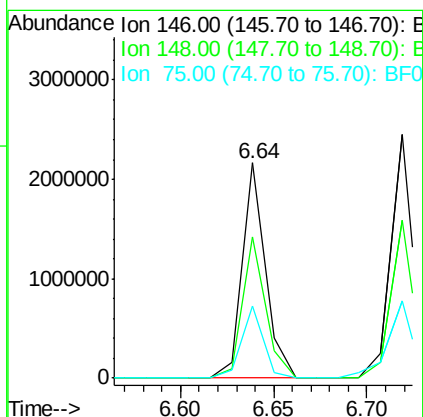
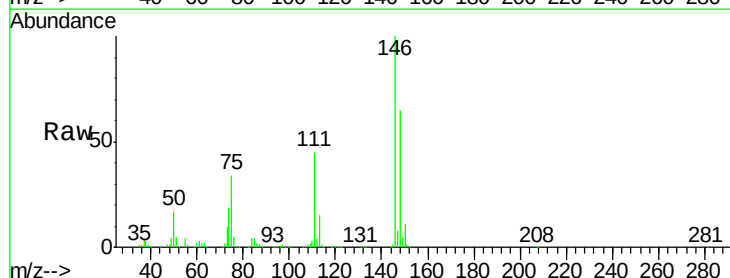
Ion	Ratio	Lower	Upper
93	100		
63	74.8	55.8	95.8
95	34.3	13.0	53.0

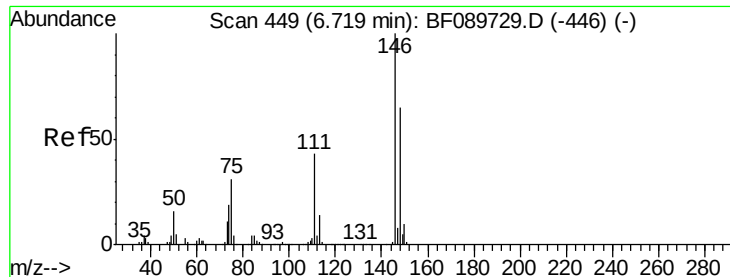


#12
 1,3-Dichlorobenzene
 Concen: 36.74 ng
 RT: 6.64 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion: 146 Resp: 1871236

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.0	76.4
75	33.6	27.0	40.6

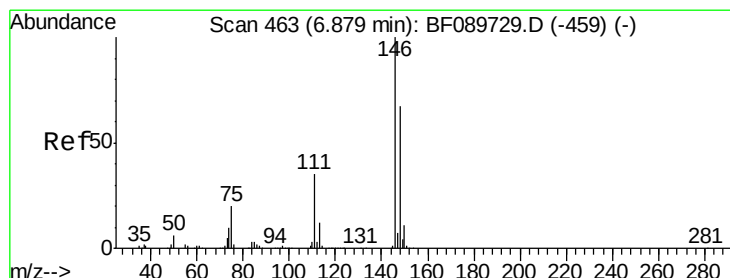
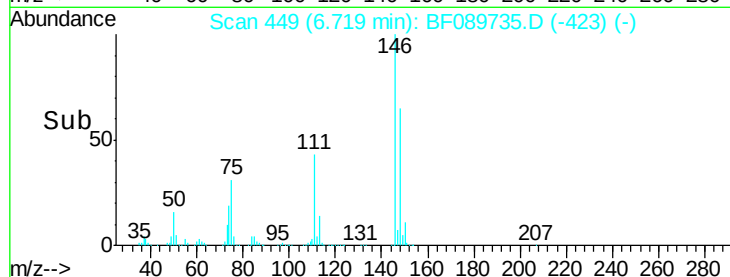
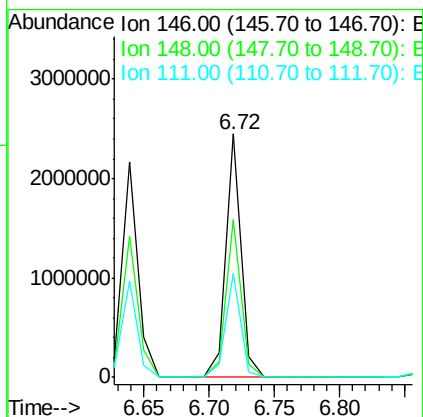
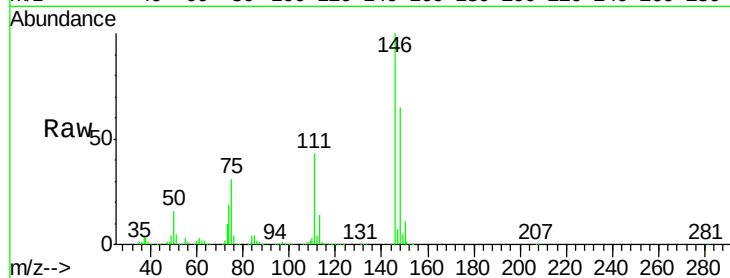




#13
 1,4-Dichlorobenzene
 Concen: 38.73 ng
 RT: 6.72 min Scan# 449
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

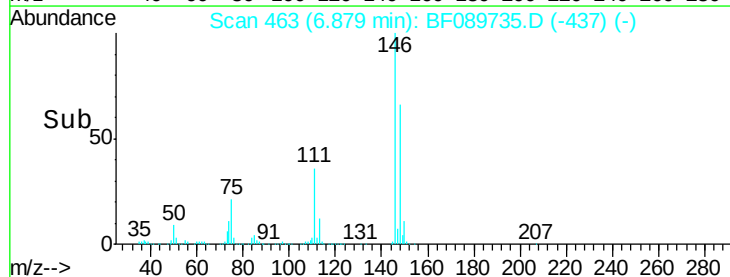
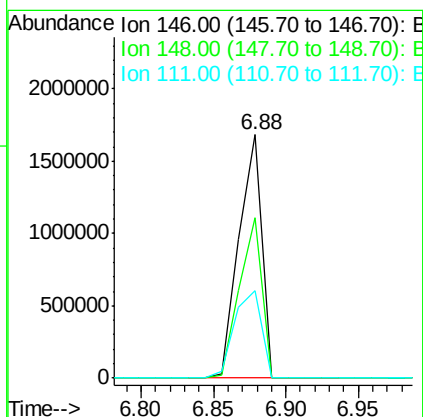
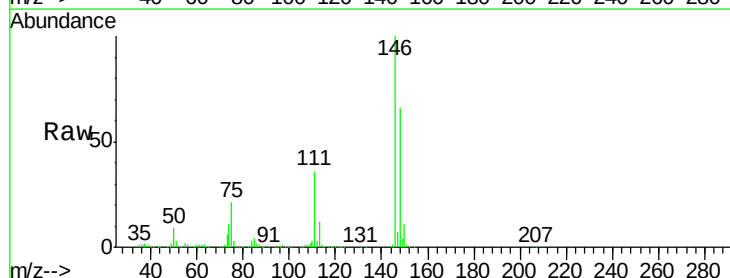
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

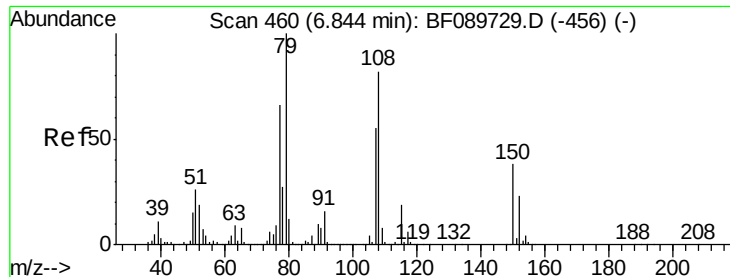
Tgt Ion:146 Resp: 1998134
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.0 76.6
 111 42.7 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 37.34 ng
 RT: 6.88 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: BF089735.D
 Acq: 17 Aug 2016 1:23

Tgt Ion:146 Resp: 1837164
 Ion Ratio Lower Upper
 146 100
 148 65.7 52.2 78.2
 111 36.0 29.8 44.6





#15

Benzyl Alcohol

Concen: 36.94 ng

RT: 6.84 min Scan# 460

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

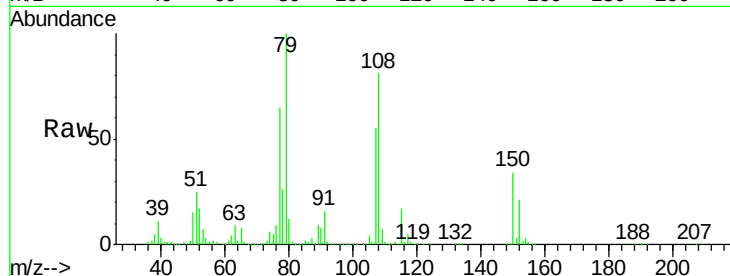
Tgt Ion: 79 Resp: 1257725

Ion Ratio Lower Upper

79 100

108 81.3 62.5 93.7

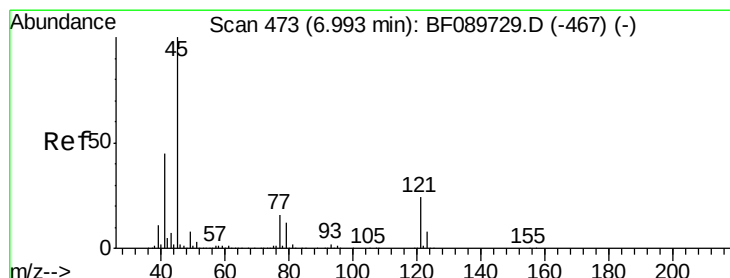
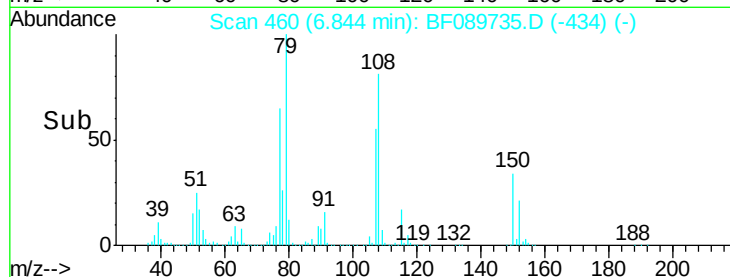
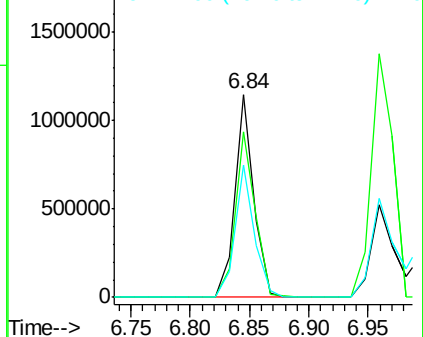
77 64.9 51.5 77.3



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: 37.15 ng

RT: 6.99 min Scan# 473

Delta R.T. 0.00 min

Lab File: BF089735.D

Acq: 17 Aug 2016 1:23

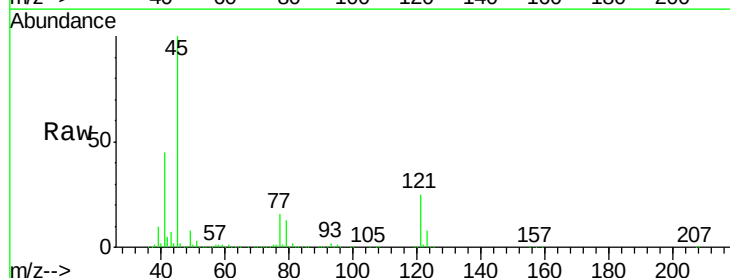
Tgt Ion: 45 Resp: 2290594

Ion Ratio Lower Upper

45 100

77 16.1 0.0 33.5

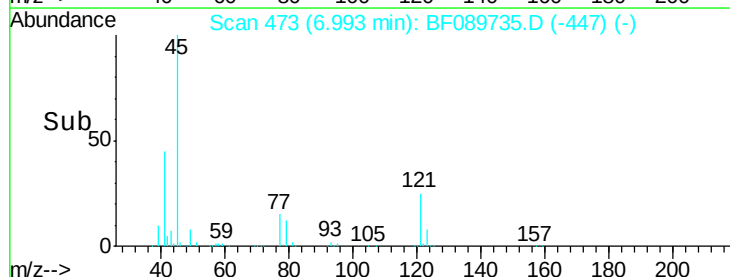
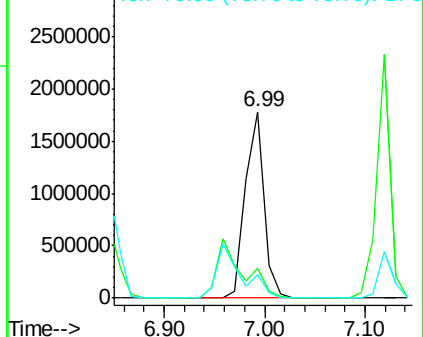
79 12.5 0.0 30.7

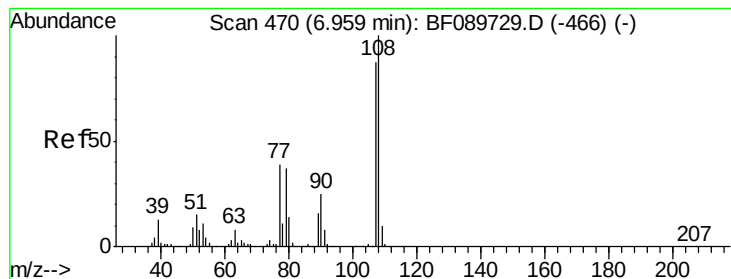


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

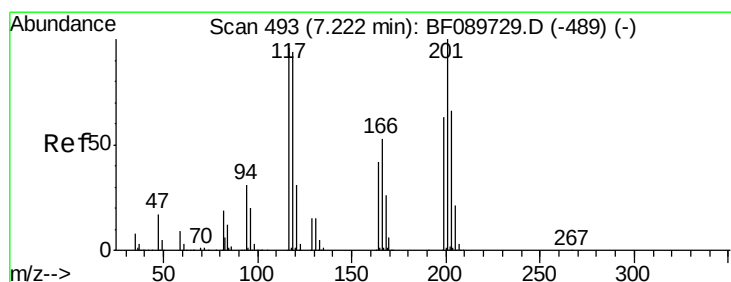
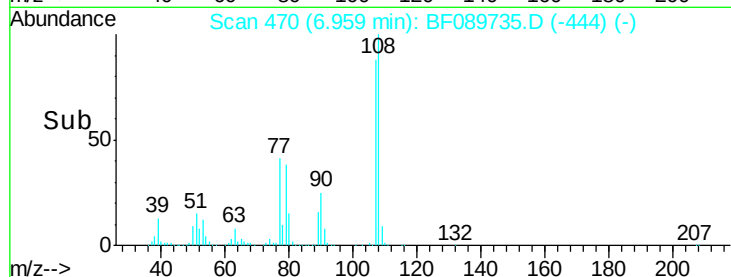
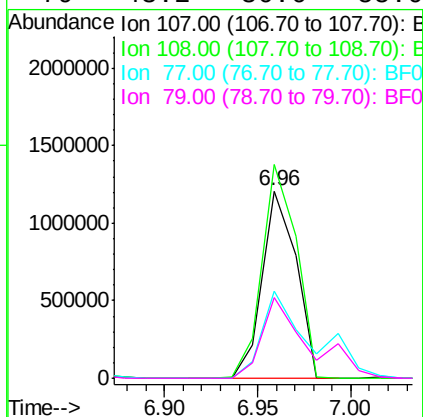
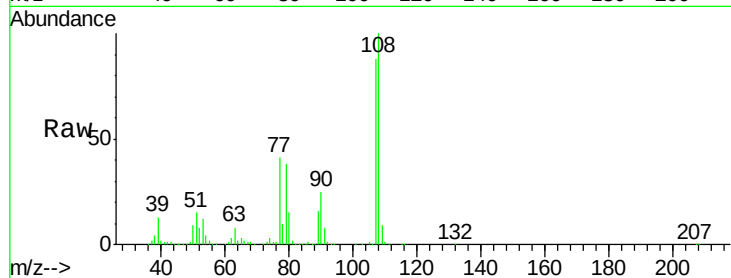




#17
2-Methylphenol
Concen: 40.34 ng
RT: 6.96 min Scan# 470
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

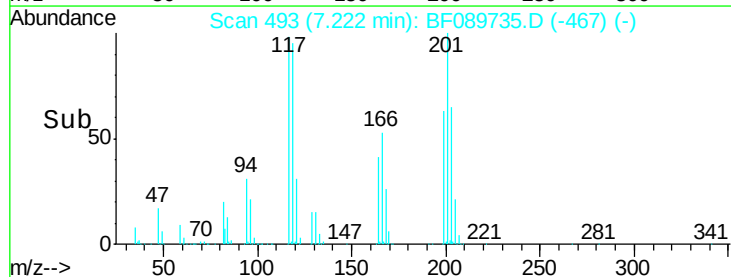
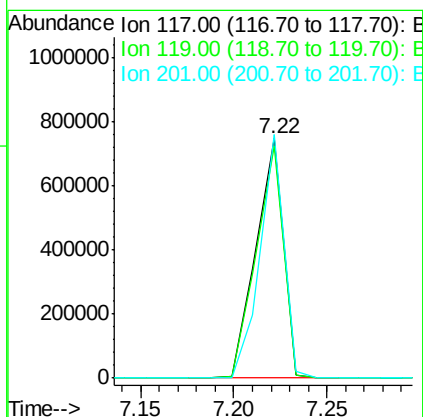
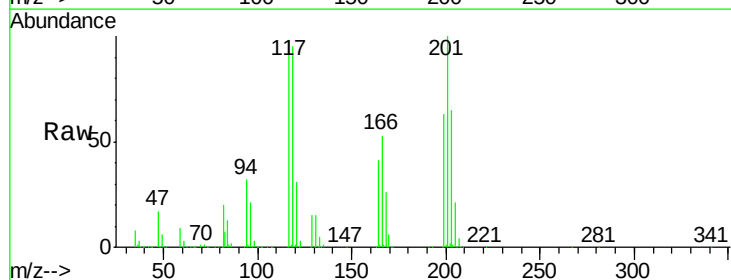
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

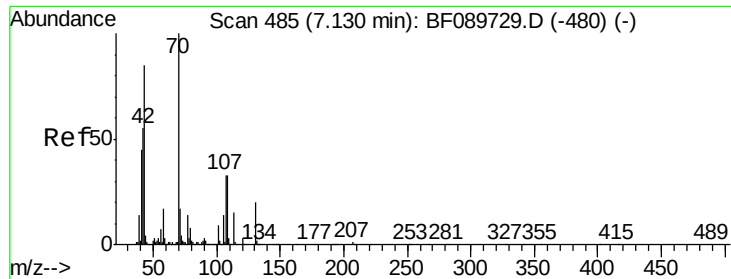
Tgt Ion:107 Resp: 1527253
Ion Ratio Lower Upper
107 100
108 114.2 91.0 136.4
77 46.5 37.4 56.0
79 43.2 36.6 55.0



#18
Hexachloroethane
Concen: 39.89 ng
RT: 7.22 min Scan# 493
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion:117 Resp: 754345
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7
201 101.6 76.9 115.3

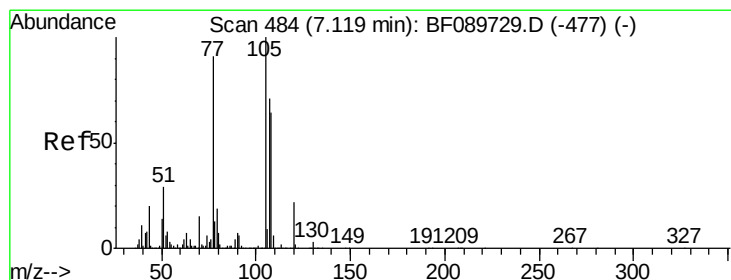
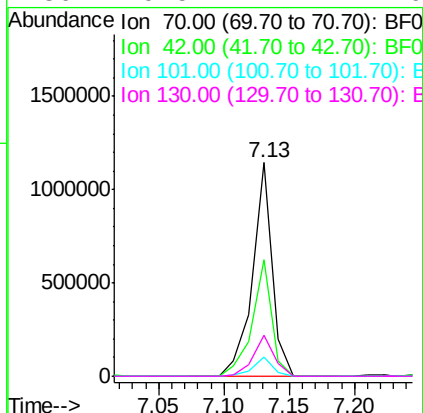
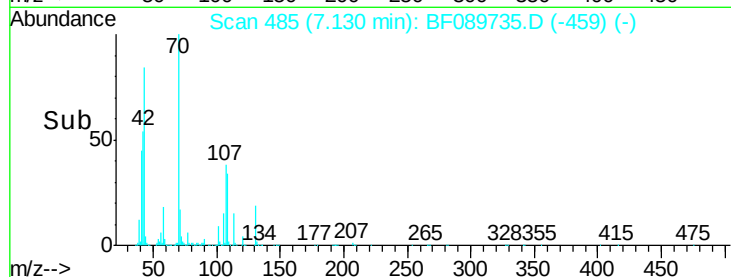
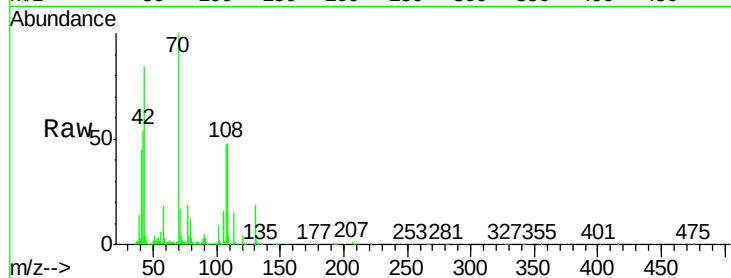




#19
n-Nitroso-di-n-propylamine
Concen: 36.10 ng
RT: 7.13 min Scan# 485
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 1204512
Ion Ratio Lower Upper
70 100
42 54.3 46.3 69.5
101 9.2 7.0 10.6
130 19.5 14.4 21.6



#20
3+4-Methylphenols
Concen: 34.01 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.00 min
Lab File: BF089735.D
Acq: 17 Aug 2016 1:23

Tgt Ion: 107 Resp: 1648912
Ion Ratio Lower Upper
107 100
108 90.2 68.2 108.2
77 136.7 122.3 162.3
79 26.1 8.2 48.2

