

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081616\
 Data File : BF089745.D
 Acq On : 17 Aug 2016 5:49
 Operator : UM/SJ
 Sample : PB92884BSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92884BSD

Quant Time: Aug 17 06:56:12 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	683934	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	2779891	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	1332375	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	2492029	20.00	ng	0.01
75) Chrysene-d12	13.90	240	1925221	20.00	ng	0.00
86) Perylene-d12	15.38	264	1829804	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	5128711	125.12	ng	0.01
7) Phenol-d6	6.34	99	6281462	120.48	ng	0.01
23) Nitrobenzene-d5	7.27	82	3883778	85.31	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	1751569	135.89	ng	0.01
44) 2-Fluorobiphenyl	9.07	172	6068987	73.09	ng	0.00
78) Terphenyl-d14	12.81	244	5242198	81.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.30	88	685017	32.37	ng	97
3) Pyridine	2.94	79	2070775	37.97	ng	92
4) n-Nitrosodimethylamine	2.90	42	909761	41.57	ng	# 80
6) Aniline	6.36	93	2432662	34.71	ng	# 91
8) 2-Chlorophenol	6.49	128	2199269	45.11	ng	81
9) Benzaldehyde	6.24	77	577160	16.70	ng	90
10) Phenol	6.35	94	2119779	32.66	ng	92
11) bis(2-Chloroethyl)ether	6.44	93	1909587	39.71	ng	97
12) 1,3-Dichlorobenzene	6.64	146	1989920	38.18	ng	98
13) 1,4-Dichlorobenzene	6.72	146	2145085	40.63	ng	97
14) 1,2-Dichlorobenzene	6.88	146	1936486	38.47	ng	97
15) Benzyl Alcohol	6.86	79	1555707	44.65	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.99	45	2363678	37.47	ng	94
17) 2-Methylphenol	6.97	107	1857435	47.95	ng	96
18) Hexachloroethane	7.22	117	805890	41.65	ng	91
19) n-Nitroso-di-n-propylamine	7.13	70	1370659	40.14	ng	95
20) 3+4-Methylphenols	7.12	107	2128915	42.91	ng	# 83
22) Acetophenone	7.12	105	2407281	37.25	ng	# 95
24) Nitrobenzene	7.29	77	2289916	44.71	ng	93
25) Isophorone	7.53	82	3951216	43.38	ng	99
26) 2-Nitrophenol	7.61	139	1135037	47.10	ng	98
27) 2,4-Dimethylphenol	7.66	122	2151293	47.10	ng	99
28) bis(2-Chloroethoxy)methane	7.75	93	2407716	43.50	ng	97
29) 2,4-Dichlorophenol	7.85	162	1839739	48.38	ng	98
30) 1,2,4-Trichlorobenzene	7.93	180	1689788	41.39	ng	98
31) Naphthalene	8.01	128	5179096	41.51	ng	95
32) Benzoic acid	7.79	122	1338374	37.69	ng	99
33) 4-Chloroaniline	8.06	127	1355795	23.48	ng	# 86
34) Hexachlorobutadiene	8.14	225	905580	42.23	ng	98
35) Caprolactam	8.44	113	363471	31.01	ng	90
36) 4-Chloro-3-methylphenol	8.55	107	1788015	43.19	ng	92
37) 2-Methylnaphthalene	8.71	142	4031615	47.47	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.87	216	1159492	27.07	ng	98
40) Hexachlorocyclopentadiene	8.87	237	1848724	96.85	ng	99

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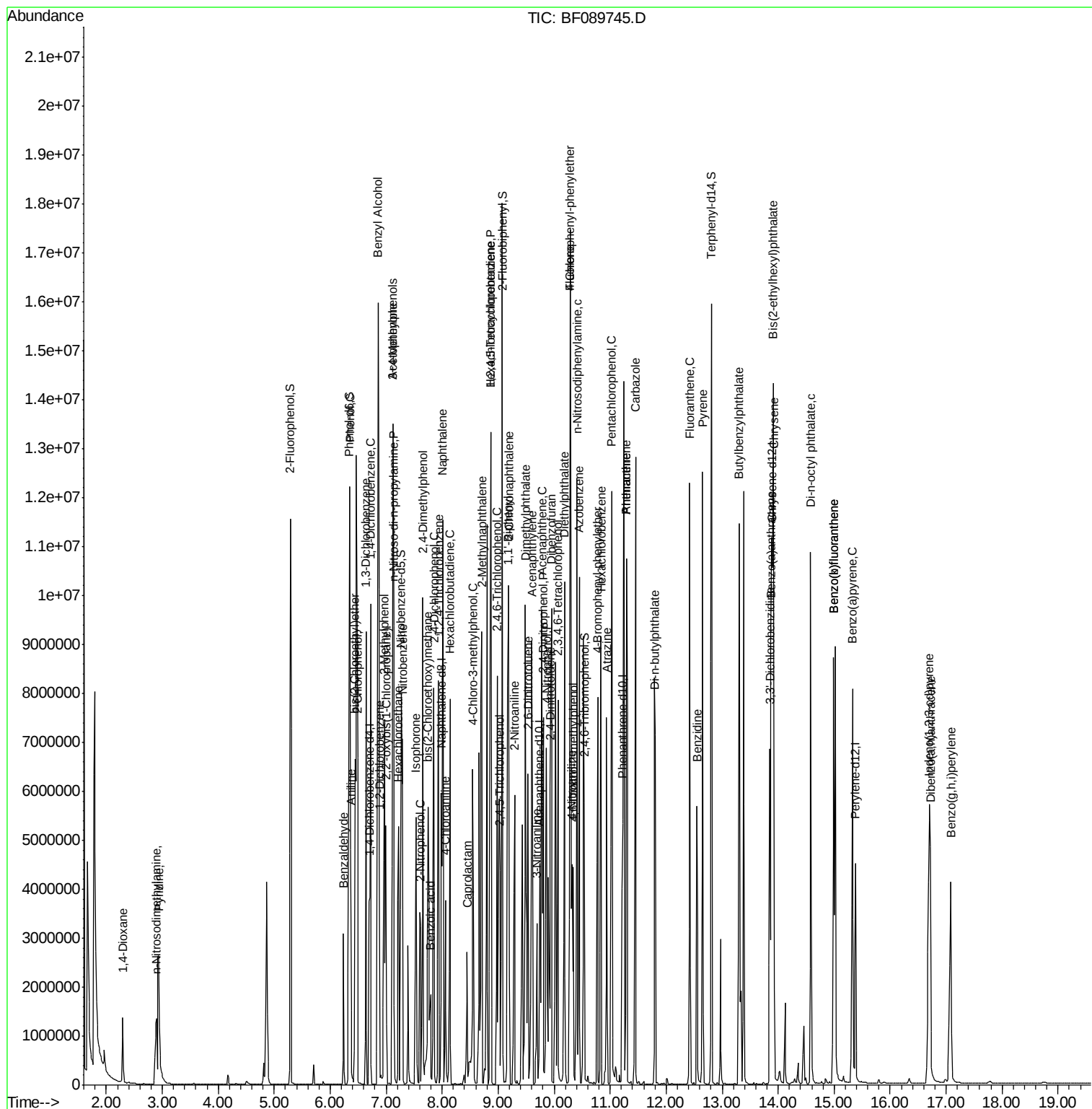
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	1224447	44.25	ng	99
43) 2,4,5-Trichlorophenol	9.03	196	1207699	45.78	ng	93
45) 1,1'-Biphenyl	9.18	154	4083266	37.00	ng	94
46) 2-Chloronaphthalene	9.19	162	3287295	39.76	ng	98
47) 2-Nitroaniline	9.29	65	1307355	51.89	ng	# 73
48) Acenaphthylene	9.60	152	5386213	42.31	ng	97
49) Dimethylphthalate	9.48	163	4450597	46.16	ng	# 98
50) 2,6-Dinitrotoluene	9.53	165	954808	43.76	ng	# 81
51) Acenaphthene	9.78	154	4162233	48.46	ng	98
52) 3-Nitroaniline	9.69	138	762154	30.04	ng	95
53) 2,4-Dinitrophenol	9.80	184	1056633	107.79	ng	97
54) Dibenzofuran	9.95	168	5166919	48.88	ng	95
55) 4-Nitrophenol	9.86	139	1754603	89.90	ng	87
56) 2,4-Dinitrotoluene	9.93	165	1319552	47.05	ng	# 56
57) Fluorene	10.28	166	3559253	41.68	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.07	232	1093517	53.07	ng	98
59) Diethylphthalate	10.18	149	4144171	42.40	ng	96
60) 4-Chlorophenyl-phenylether	10.28	204	1481825	35.34	ng	93
61) 4-Nitroaniline	10.32	138	1245242	50.55	ng	96
62) Azobenzene	10.44	77	4399966	47.64	ng	96
64) 4,6-Dinitro-2-methylphenol	10.34	198	733206	50.67	ng	80
65) n-Nitrosodiphenylamine	10.41	169	3718700	47.55	ng	97
66) 4-Bromophenyl-phenylether	10.78	248	1155450	44.77	ng	# 86
67) Hexachlorobenzene	10.83	284	1181670	41.19	ng	# 81
68) Atrazine	10.94	200	972148	41.04	ng	96
69) Pentachlorophenol	11.03	266	1448214	81.03	ng	97
70) Phenanthrene	11.29	178	5677974	46.35	ng	96
71) Anthracene	11.29	178	5677974	44.37	ng	97
72) Carbazole	11.45	167	5241026	43.22	ng	94
73) Di-n-butylphthalate	11.80	149	6424949	43.56	ng	# 98
74) Fluoranthene	12.42	202	4959005	40.29	ng	90
76) Benzidine	12.55	184	2666512	38.59	ng	99
77) Pyrene	12.65	202	5065168	40.20	ng	92
79) Butylbenzylphthalate	13.30	149	2761887	43.70	ng	88
80) Benzo(a)anthracene	13.87	228	5004145	44.74	ng	97
81) 3,3'-Dichlorobenzidine	13.85	252	1493422	36.64	ng	# 96
82) Chrysene	13.92	228	4012974	39.86	ng	95
83) Bis(2-ethylhexyl)phthalate	13.91	149	3899731	46.62	ng	96
84) Di-n-octyl phthalate	14.58	149	5907936	45.44	ng	98
85) Indeno(1,2,3-cd)pyrene	16.70	276	4270397	49.79	ng	100
87) Benzo(b)fluoranthene	14.99	252	4544397	39.20	ng	98
88) Benzo(k)fluoranthene	14.99	252	4544397	47.62	ng	97
89) Benzo(a)pyrene	15.33	252	4192257	43.80	ng	97
90) Dibenzo(a,h)anthracene	16.72	278	3527888	46.81	ng	96
91) Benzo(g,h,i)perylene	17.09	276	3484625	45.43	ng	95

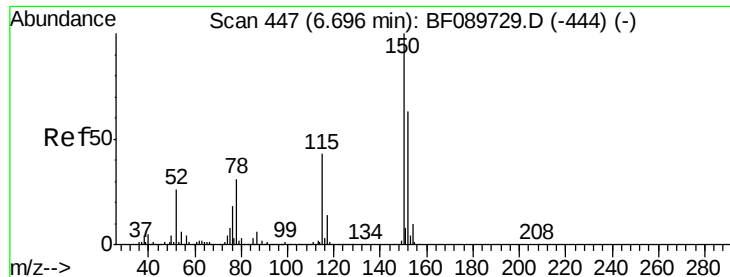
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

Instrument :

BNA_F

ClientSampleId :

PB92884BSD

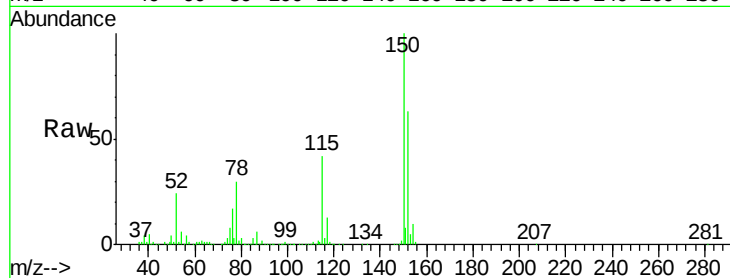
Tgt Ion:152 Resp: 683934

Ion Ratio Lower Upper

152 100

150 158.0 125.3 187.9

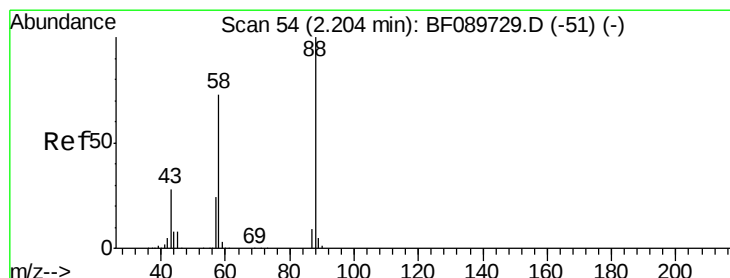
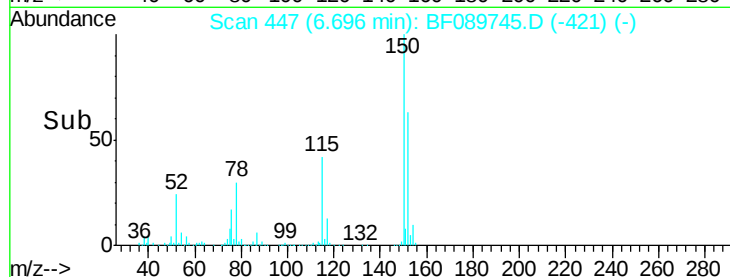
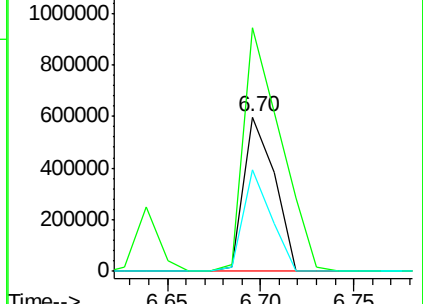
115 66.0 40.9 61.3#



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: 32.37 ng

RT: 2.30 min Scan# 62

Delta R.T. 0.09 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

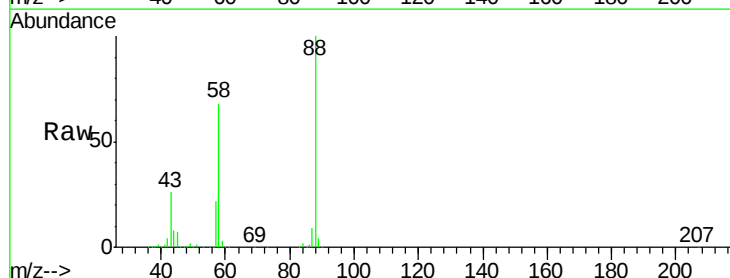
Tgt Ion: 88 Resp: 685017

Ion Ratio Lower Upper

88 100

58 70.1 57.0 85.4

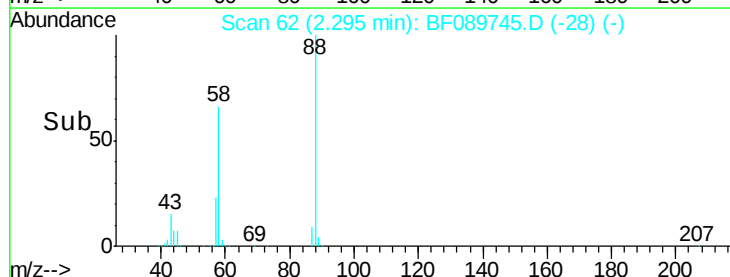
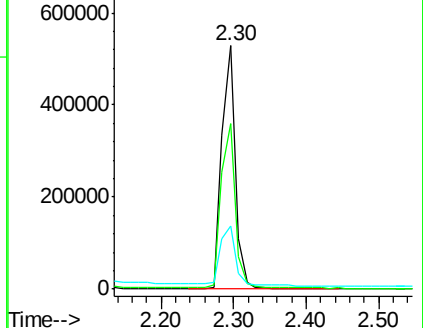
43 30.7 21.8 32.8

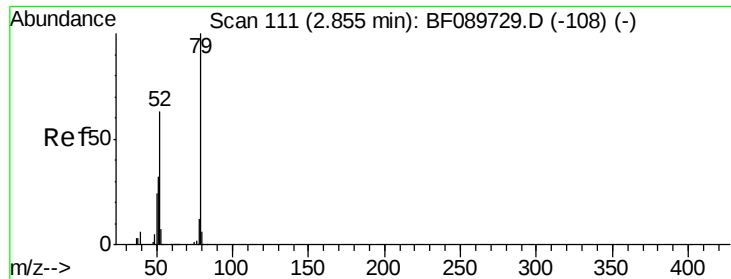


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 37.97 ng

RT: 2.94 min Scan# 118

Delta R.T. 0.08 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

Instrument :

BNA_F

ClientSampleId :

PB92884BSD

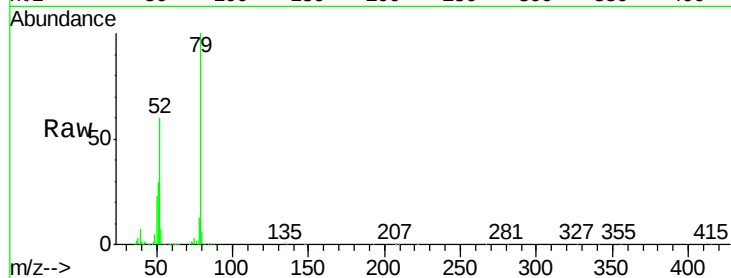
Tgt Ion: 79 Resp: 2070775

Ion Ratio Lower Upper

79 100

52 60.2 53.6 80.4

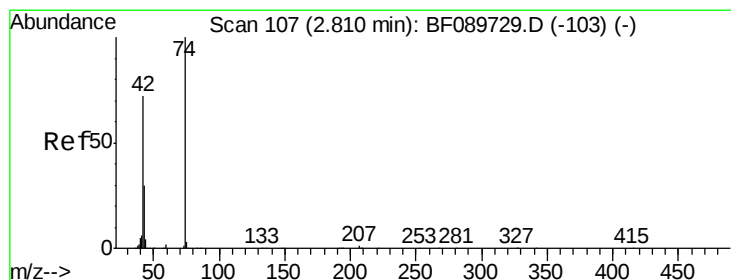
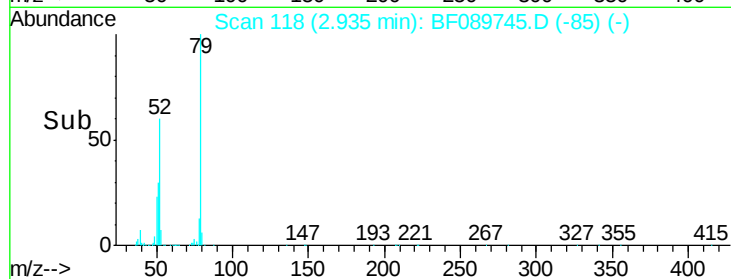
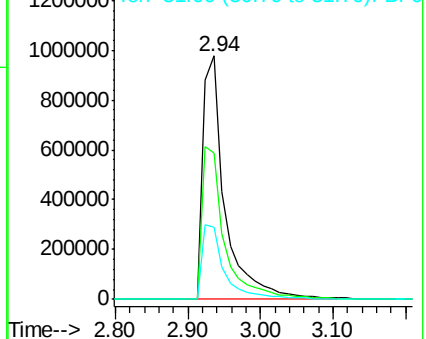
51 29.7 26.6 39.8



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: 41.57 ng

RT: 2.90 min Scan# 115

Delta R.T. 0.09 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

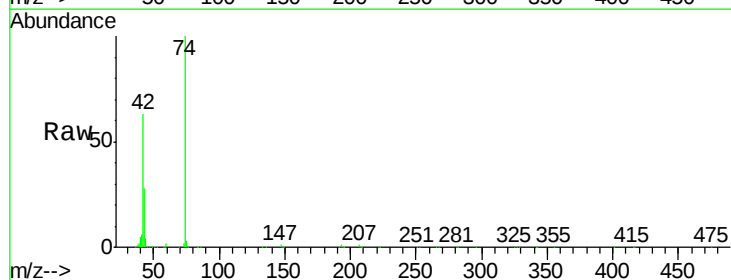
Tgt Ion: 42 Resp: 909761

Ion Ratio Lower Upper

42 100

74 157.6 106.2 159.2

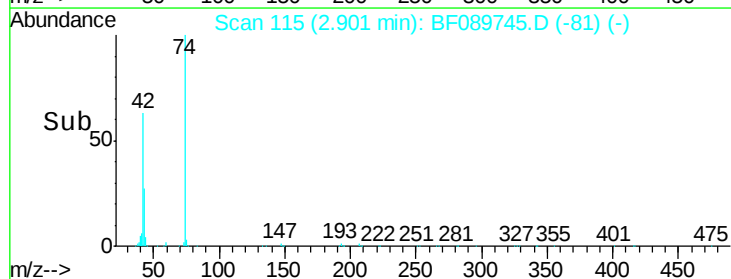
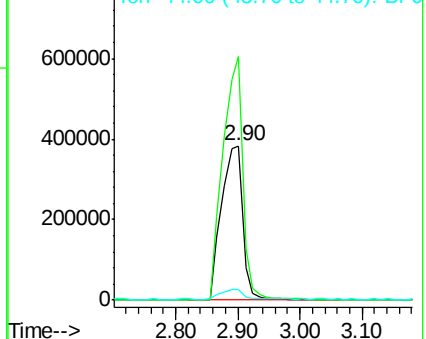
44 6.8 6.9 10.3#

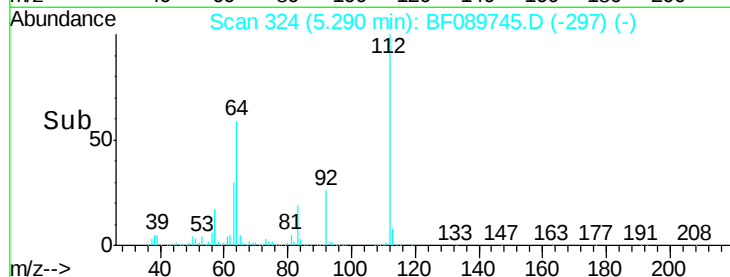
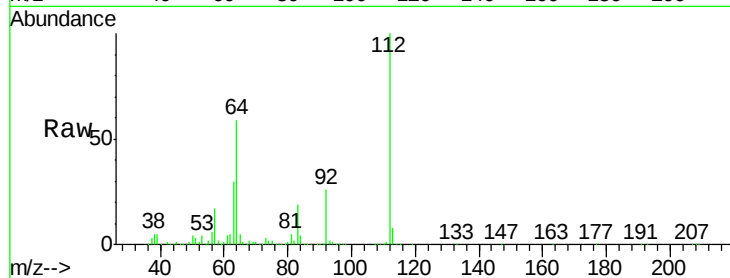
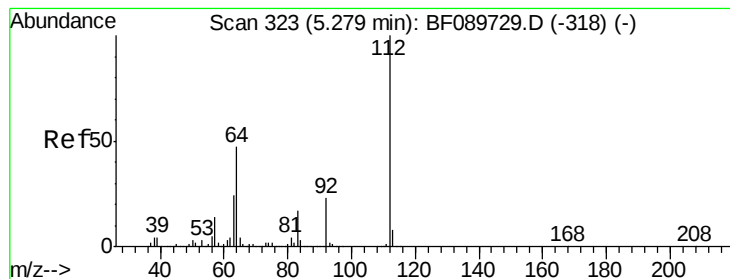


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 125.12 ng

RT: 5.29 min Scan# 324

Delta R.T. 0.01 min

Lab File: BF089745.D

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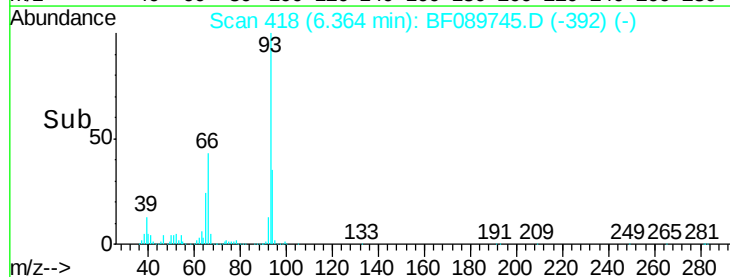
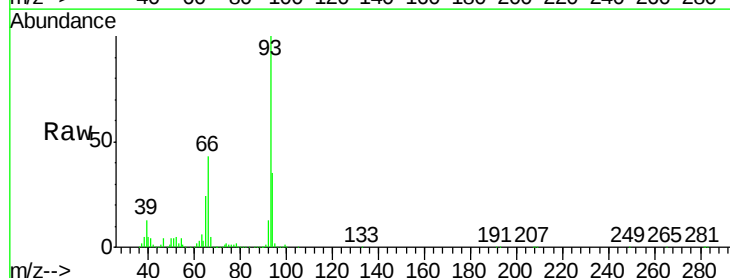
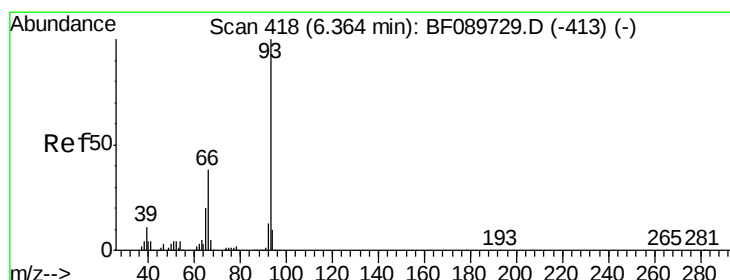
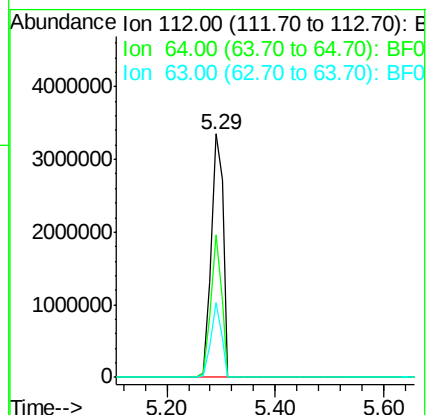
Tgt Ion:112 Resp: 5128711

Ion Ratio Lower Upper

112 100

64 58.5 45.0 67.4

63 30.5 23.1 34.7



#6

Aniline

Concen: 34.71 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

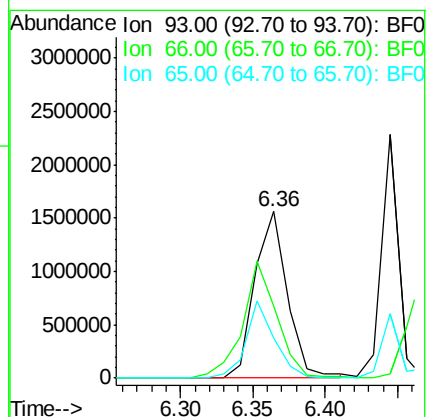
Tgt Ion: 93 Resp: 2432662

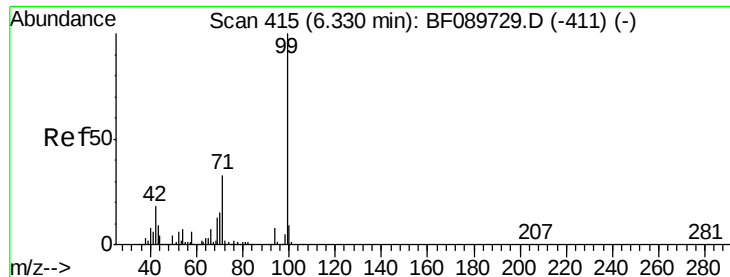
Ion Ratio Lower Upper

93 100

66 43.4 30.6 46.0

65 23.9 15.4 23.2#





#7

Phenol-d6

Concen: 120.48 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

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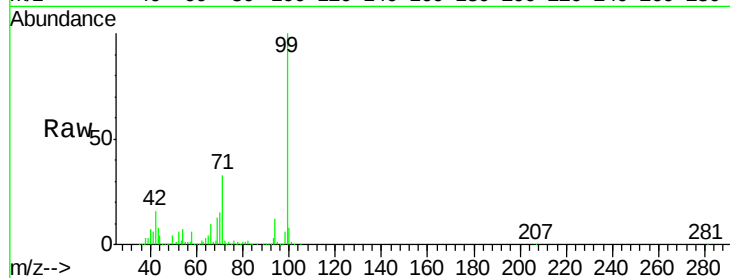
Tgt Ion: 99 Resp: 6281462

Ion Ratio Lower Upper

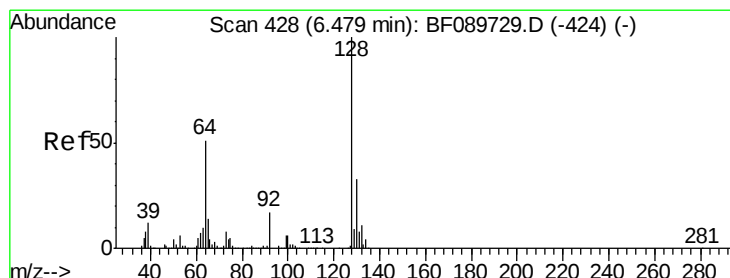
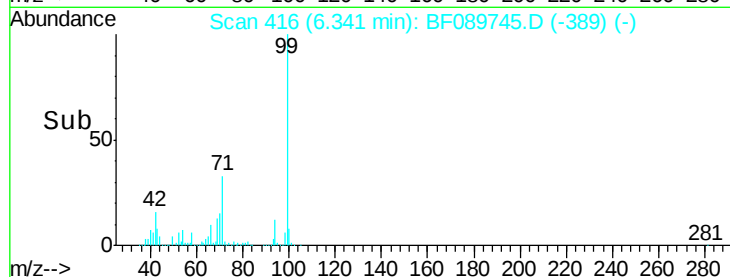
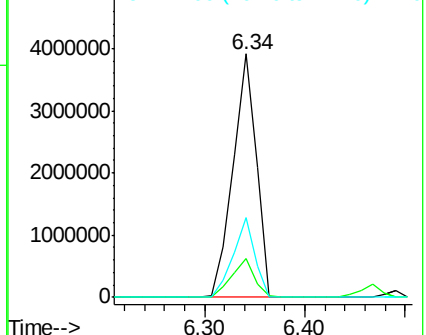
99 100

42 16.0 12.2 18.4

71 32.8 23.8 35.8



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 45.11 ng

RT: 6.49 min Scan# 429

Delta R.T. 0.01 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

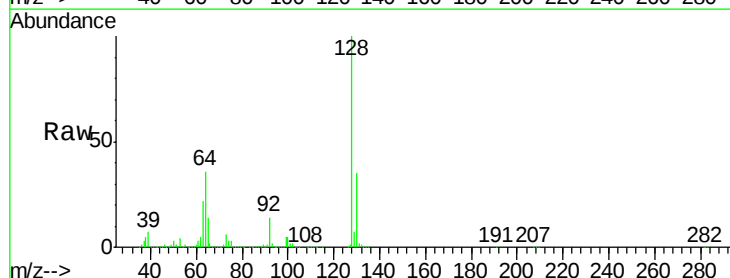
Tgt Ion: 128 Resp: 2199269

Ion Ratio Lower Upper

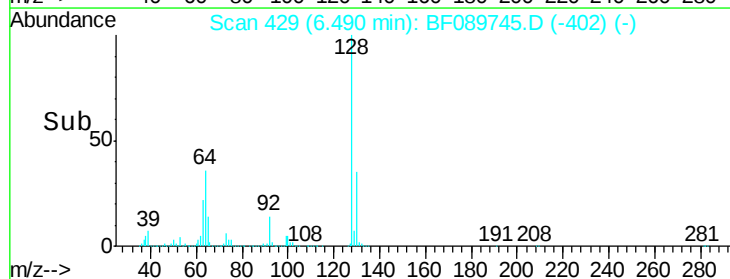
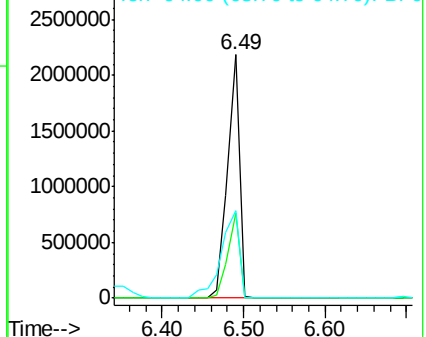
128 100

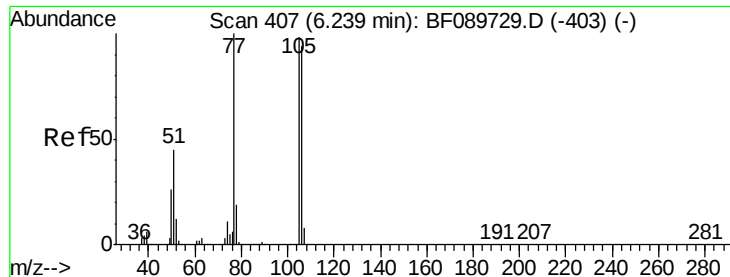
130 35.0 12.0 52.0

64 35.7 35.1 75.1



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.70 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

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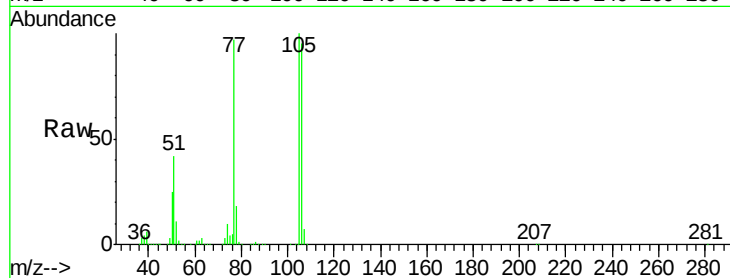
Tgt Ion: 77 Resp: 577160

Ion Ratio Lower Upper

77 100

105 103.0 73.3 113.3

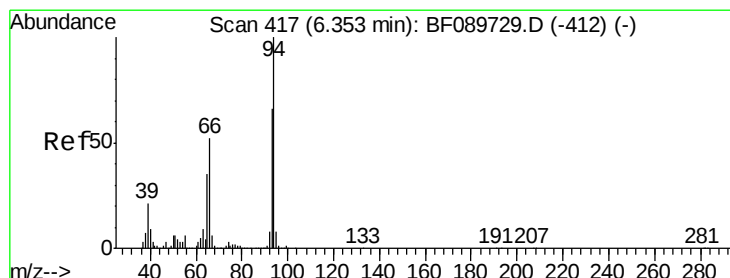
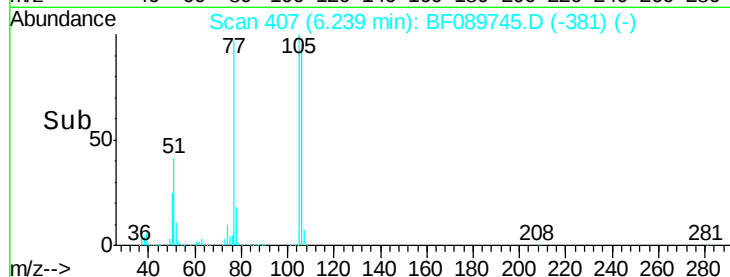
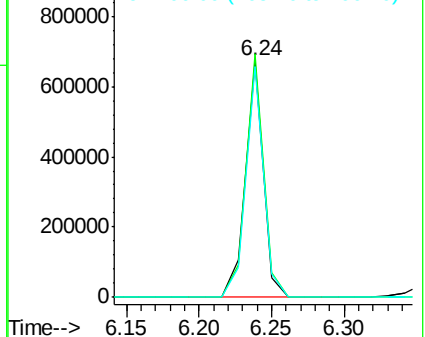
106 97.9 68.6 108.6



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: 32.66 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

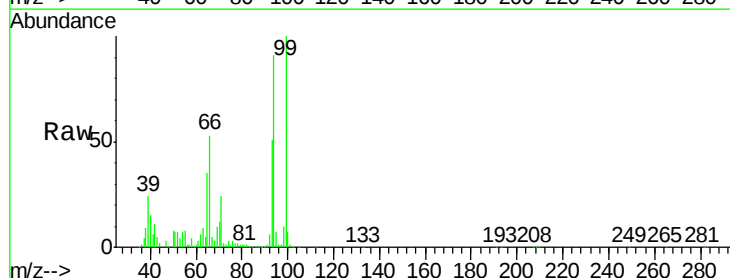
Tgt Ion: 94 Resp: 2119779

Ion Ratio Lower Upper

94 100

65 38.0 14.0 54.0

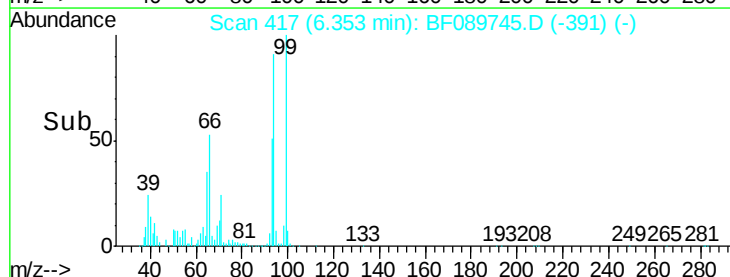
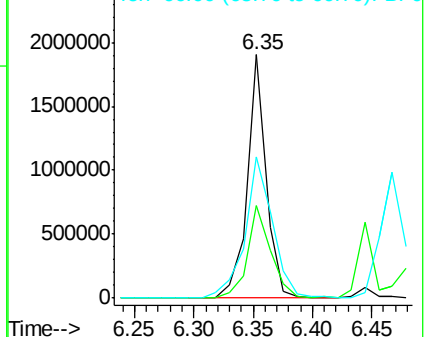
66 57.8 31.2 71.2

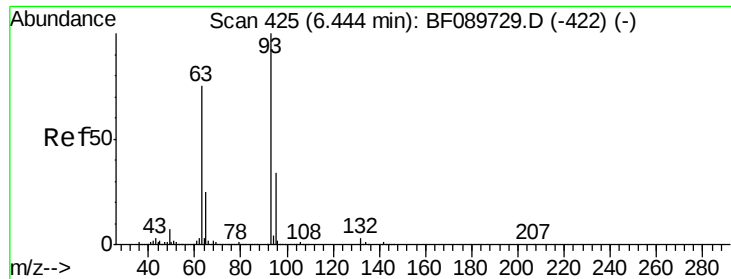


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 39.71 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

Instrument :

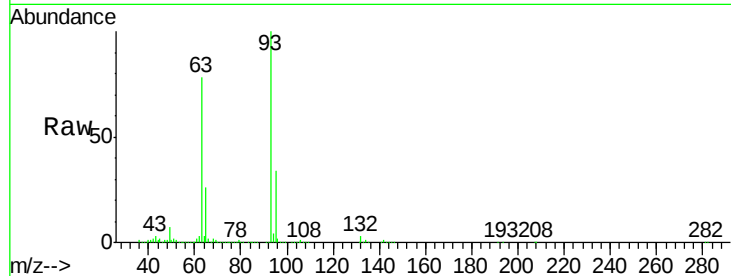
BNA_F

ClientSampleId :

PB92884BSD

Tgt Ion: 93 Resp: 1909587

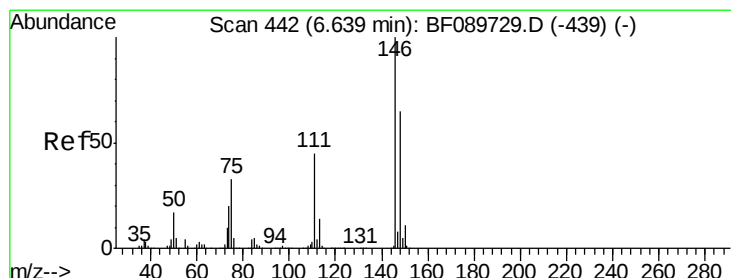
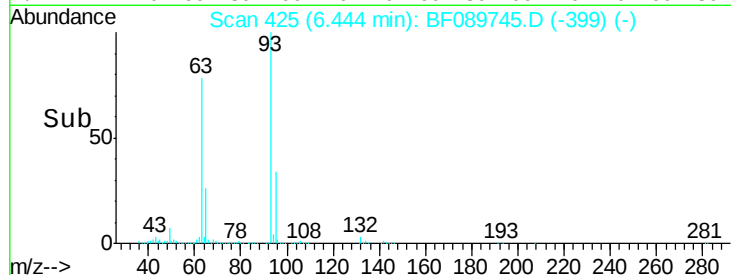
Ion	Ratio	Lower	Upper
93	100		
63	78.5	55.8	95.8
95	34.4	13.0	53.0



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: 38.18 ng

RT: 6.64 min Scan# 442

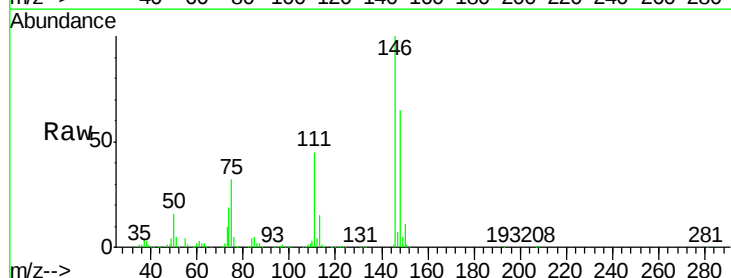
Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

Tgt Ion: 146 Resp: 1989920

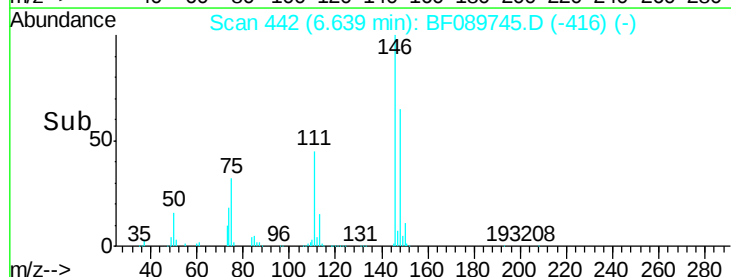
Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
75	32.5	27.0	40.6

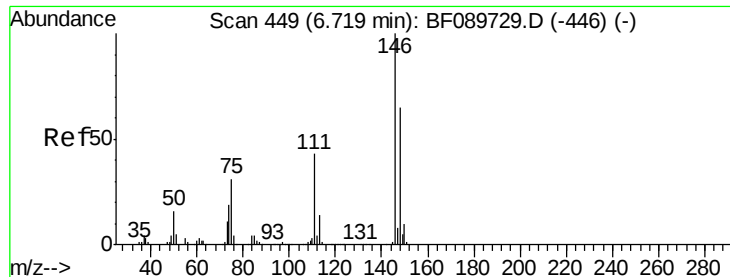


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

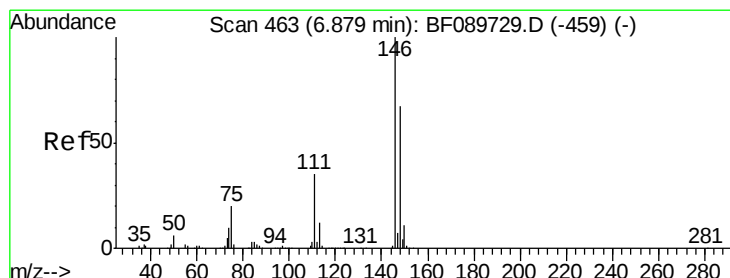
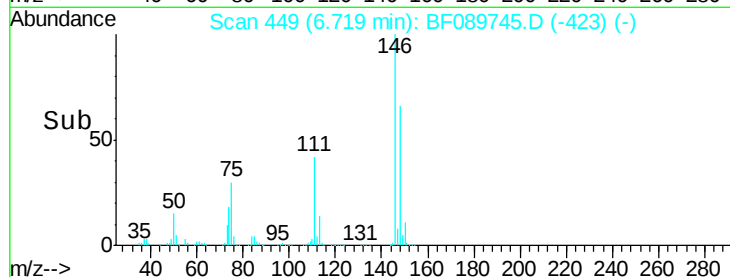
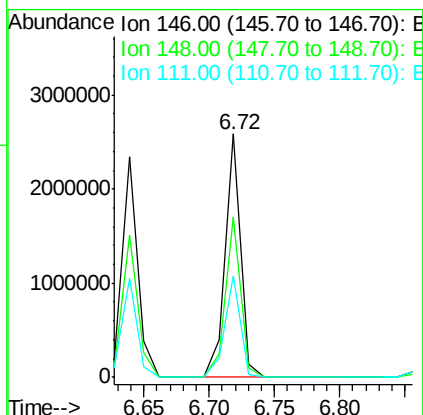
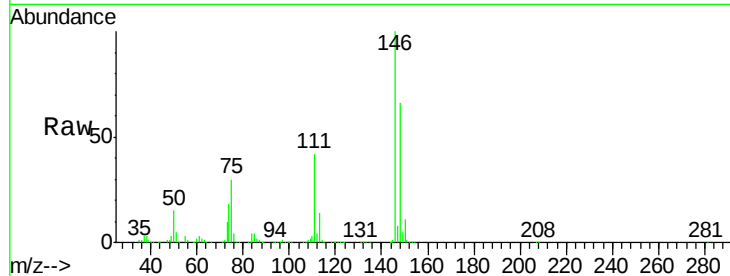




#13
 1,4-Dichlorobenzene
 Concen: 40.63 ng
 RT: 6.72 min Scan# 449
 Delta R.T. -0.00 min
 Lab File: BF089745.D
 Acq: 17 Aug 2016 5:49

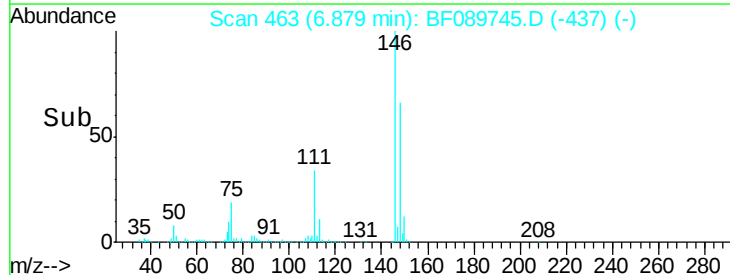
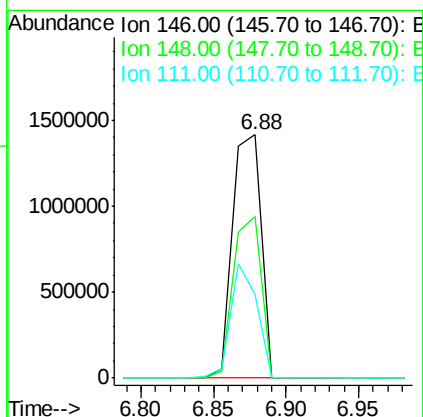
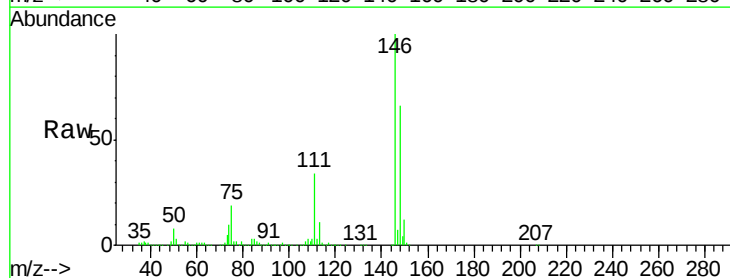
Instrument :
 BNA_F
 ClientSampleId :
 PB92884BSD

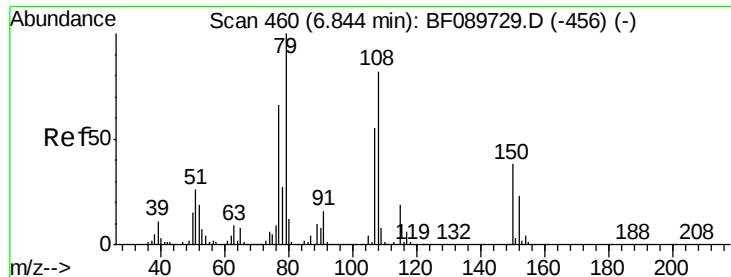
Tgt Ion:146 Resp: 2145085
 Ion Ratio Lower Upper
 146 100
 148 66.0 51.0 76.6
 111 41.5 34.6 52.0



#14
 1,2-Dichlorobenzene
 Concen: 38.47 ng
 RT: 6.88 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: BF089745.D
 Acq: 17 Aug 2016 5:49

Tgt Ion:146 Resp: 1936486
 Ion Ratio Lower Upper
 146 100
 148 66.5 52.2 78.2
 111 34.3 29.8 44.6





#15

Benzyl Alcohol

Concen: 44.65 ng

RT: 6.86 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

Instrument :

BNA_F

ClientSampleId :

PB92884BSD

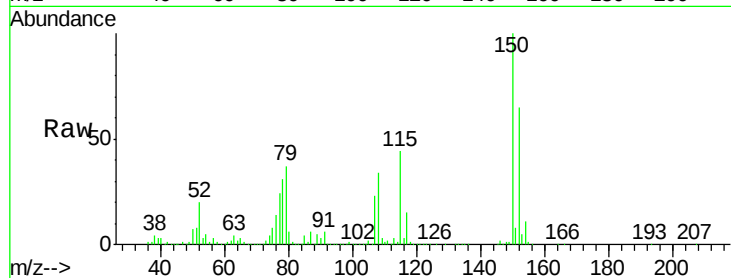
Tgt Ion: 79 Resp: 1555707

Ion Ratio Lower Upper

79 100

108 92.9 62.5 93.7

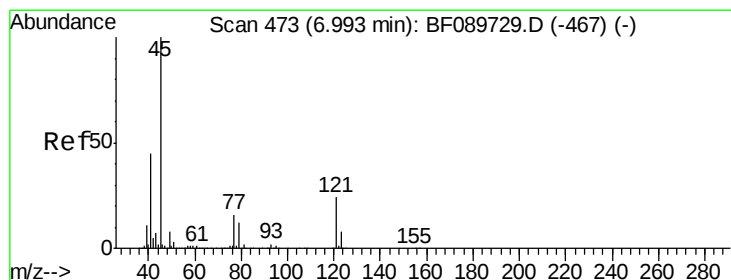
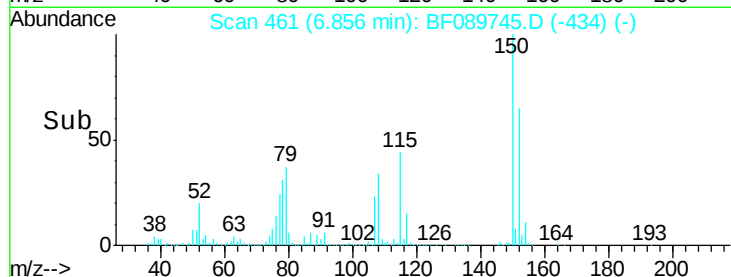
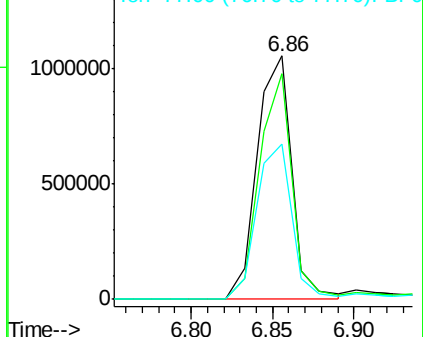
77 63.9 51.5 77.3



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: 37.47 ng

RT: 6.99 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF089745.D

Acq: 17 Aug 2016 5:49

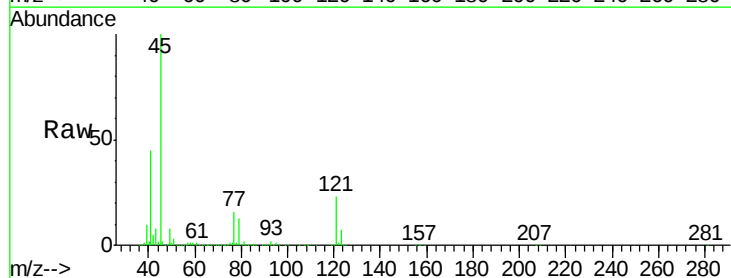
Tgt Ion: 45 Resp: 2363678

Ion Ratio Lower Upper

45 100

77 16.2 0.0 33.5

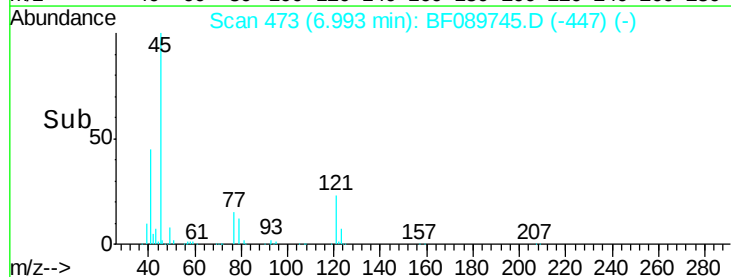
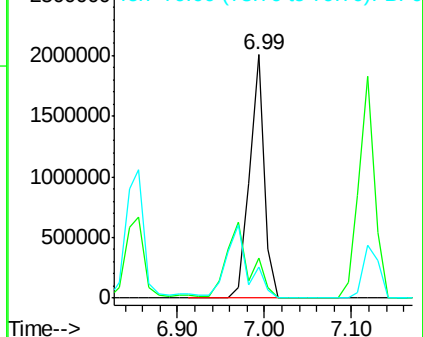
79 12.7 0.0 30.7

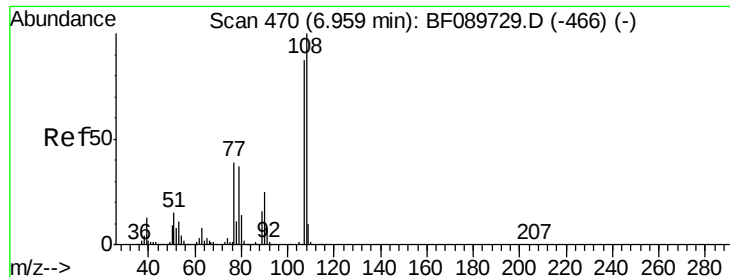


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0

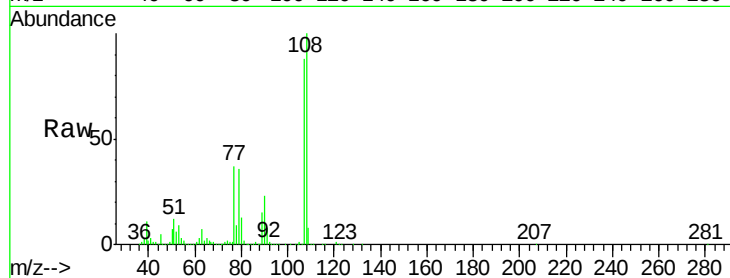




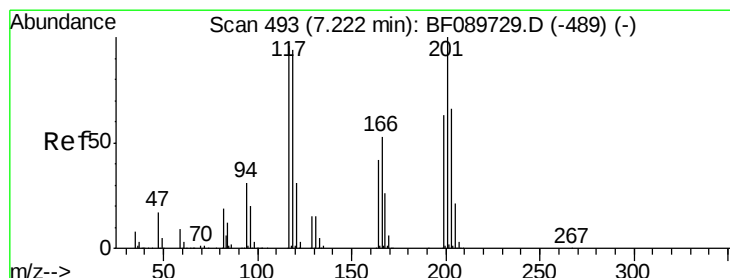
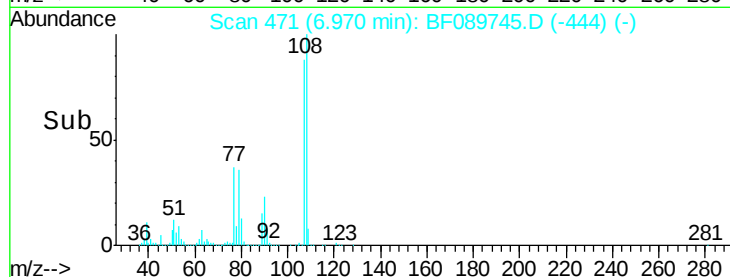
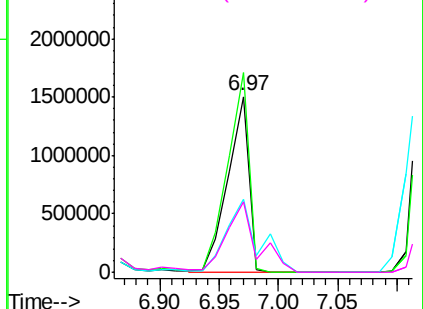
#17
2-Methylphenol
Concen: 47.95 ng
RT: 6.97 min Scan# 471
Delta R.T. 0.01 min
Lab File: BF089745.D
Acq: 17 Aug 2016 5:49

Instrument :
BNA_F
ClientSampleId :
PB92884BSD

Tgt Ion:107 Resp: 1857435
Ion Ratio Lower Upper
107 100
108 113.6 91.0 136.4
77 41.6 37.4 56.0
79 40.4 36.6 55.0

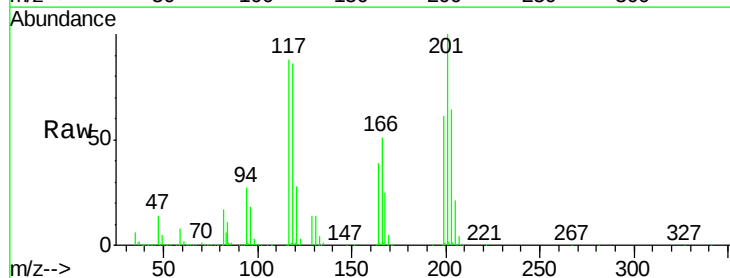


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

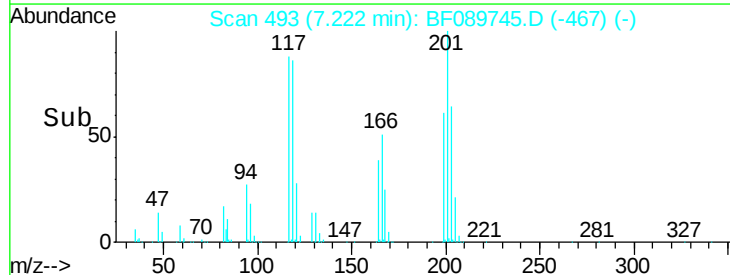
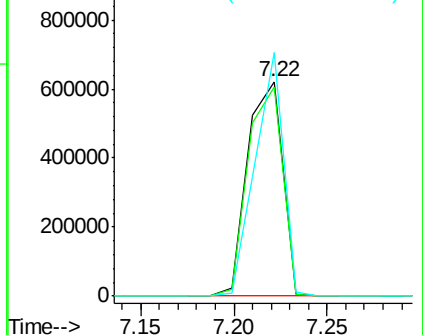


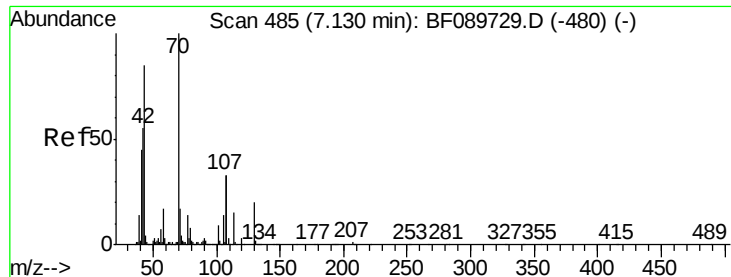
#18
Hexachloroethane
Concen: 41.65 ng
RT: 7.22 min Scan# 493
Delta R.T. -0.00 min
Lab File: BF089745.D
Acq: 17 Aug 2016 5:49

Tgt Ion:117 Resp: 805890
Ion Ratio Lower Upper
117 100
119 97.4 77.1 115.7
201 113.6 76.9 115.3



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

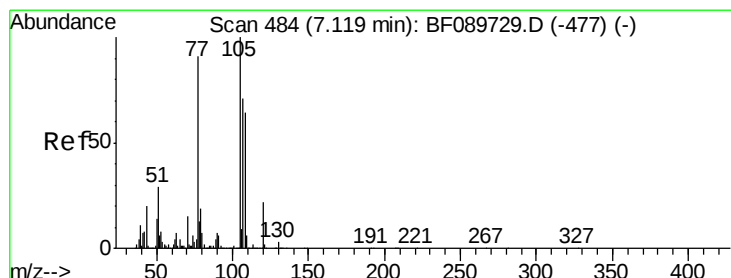
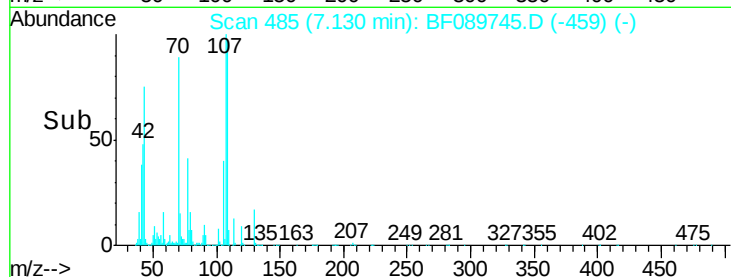
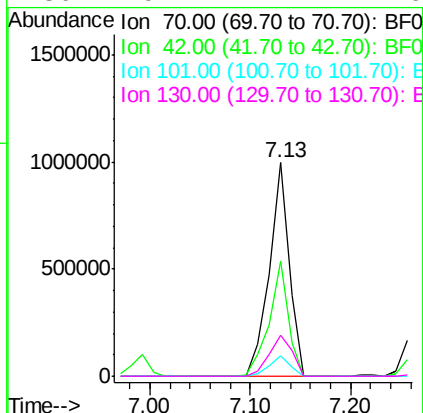
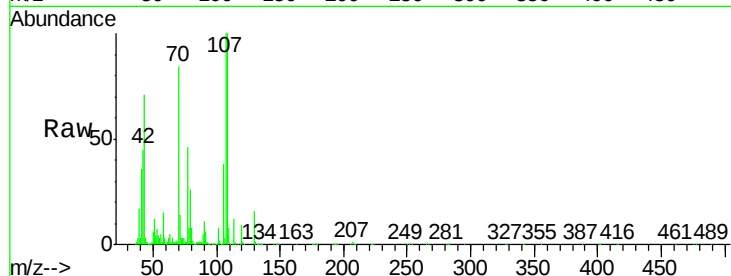




#19
 n-Nitroso-di-n-propylamine
 Concen: 40.14 ng
 RT: 7.13 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: BF089745.D
 Acq: 17 Aug 2016 5:49

Instrument :
 BNA_F
 ClientSampleId :
 PB92884BSD

Tgt Ion: 70 Resp: 1370659
 Ion Ratio Lower Upper
 70 100
 42 53.7 46.3 69.5
 101 9.5 7.0 10.6
 130 19.1 14.4 21.6



#20
 3+4-Methylphenols
 Concen: 42.91 ng
 RT: 7.12 min Scan# 484
 Delta R.T. 0.00 min
 Lab File: BF089745.D
 Acq: 17 Aug 2016 5:49

Tgt Ion: 107 Resp: 2128915
 Ion Ratio Lower Upper
 107 100
 108 87.9 68.2 108.2
 77 106.6 122.3 162.3#
 79 25.4 8.2 48.2

