

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
 Data File : BF085407.D
 Acq On : 12 Mar 2016 8:57
 Operator : UM/SJ
 Sample : H1730-08MS
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-19-COMP(0.5-3.0)MS

Quant Time: Mar 14 00:44:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	142134	20.00	ng	-0.05
21) Naphthalene-d8	8.23	136	529081	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	205371	20.00	ng	-0.05
63) Phenanthrene-d10	11.46	188	318375	20.00	ng	-0.05
75) Chrysene-d12	14.12	240	240791	20.00	ng	-0.03
86) Perylene-d12	15.58	264	225019	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	1230384	145.20	ng	-0.03
7) Phenol-d6	6.57	99	1520973	137.00	ng	-0.03
23) Nitrobenzene-d5	7.51	82	1036016	104.78	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	268815	152.97	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1359054	100.64	ng	-0.05
78) Terphenyl-d14	13.05	244	930325	89.69	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.65	88	170311	39.30	ng	100
3) Pyridine	3.42	79	449349	41.43	ng	96
4) n-Nitrosodimethylamine	3.36	42	226022	48.69	ng	98
6) Aniline	6.60	93	542503	34.87	ng	# 78
8) 2-Chlorophenol	6.72	128	459887	45.08	ng	93
9) Benzaldehyde	6.48	77	132443	22.33	ng	97
10) Phenol	6.58	94	513453	43.18	ng	92
11) bis(2-Chloroethyl)ether	6.68	93	482043	48.81	ng	99
12) 1,3-Dichlorobenzene	6.88	146	529283	48.33	ng	99
13) 1,4-Dichlorobenzene	6.95	146	505493	46.05	ng	99
14) 1,2-Dichlorobenzene	7.11	146	493752	49.58	ng	99
15) Benzyl Alcohol	7.08	79	428134	52.54	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.21	45	601486	42.25	ng	99
17) 2-Methylphenol	7.19	107	390595	46.92	ng	96
18) Hexachloroethane	7.45	117	173567	42.86	ng	98
19) n-Nitroso-di-n-propylamine	7.36	70	362525	50.10	ng	98
20) 3+4-Methylphenols	7.35	107	464647	47.13	ng	# 82
22) Acetophenone	7.35	105	590560	45.73	ng	# 93
24) Nitrobenzene	7.52	77	456207	45.42	ng	97
25) Isophorone	7.76	82	911207	49.73	ng	100
26) 2-Nitrophenol	7.84	139	264015	54.02	ng	# 83
27) 2,4-Dimethylphenol	7.88	122	397635	44.51	ng	94
28) bis(2-Chloroethoxy)methane	7.98	93	592242	58.04	ng	98
29) 2,4-Dichlorophenol	8.08	162	360008	49.97	ng	90
30) 1,2,4-Trichlorobenzene	8.16	180	394883	50.70	ng	99
31) Naphthalene	8.25	128	1353059	52.01	ng	98
32) Benzoic acid	7.93	122	18317	3.09	ng	98
33) 4-Chloroaniline	8.30	127	291679	27.72	ng	# 93
34) Hexachlorobutadiene	8.37	225	217544	53.68	ng	98
35) Caprolactam	8.66	113	116818	49.65	ng	92
36) 4-Chloro-3-methylphenol	8.78	107	380923	46.61	ng	100
37) 2-Methylnaphthalene	8.94	142	791759	47.43	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.11	216	345761	58.87	ng	97
40) Hexachlorocyclopentadiene	9.10	237	97439	30.76	ng	94

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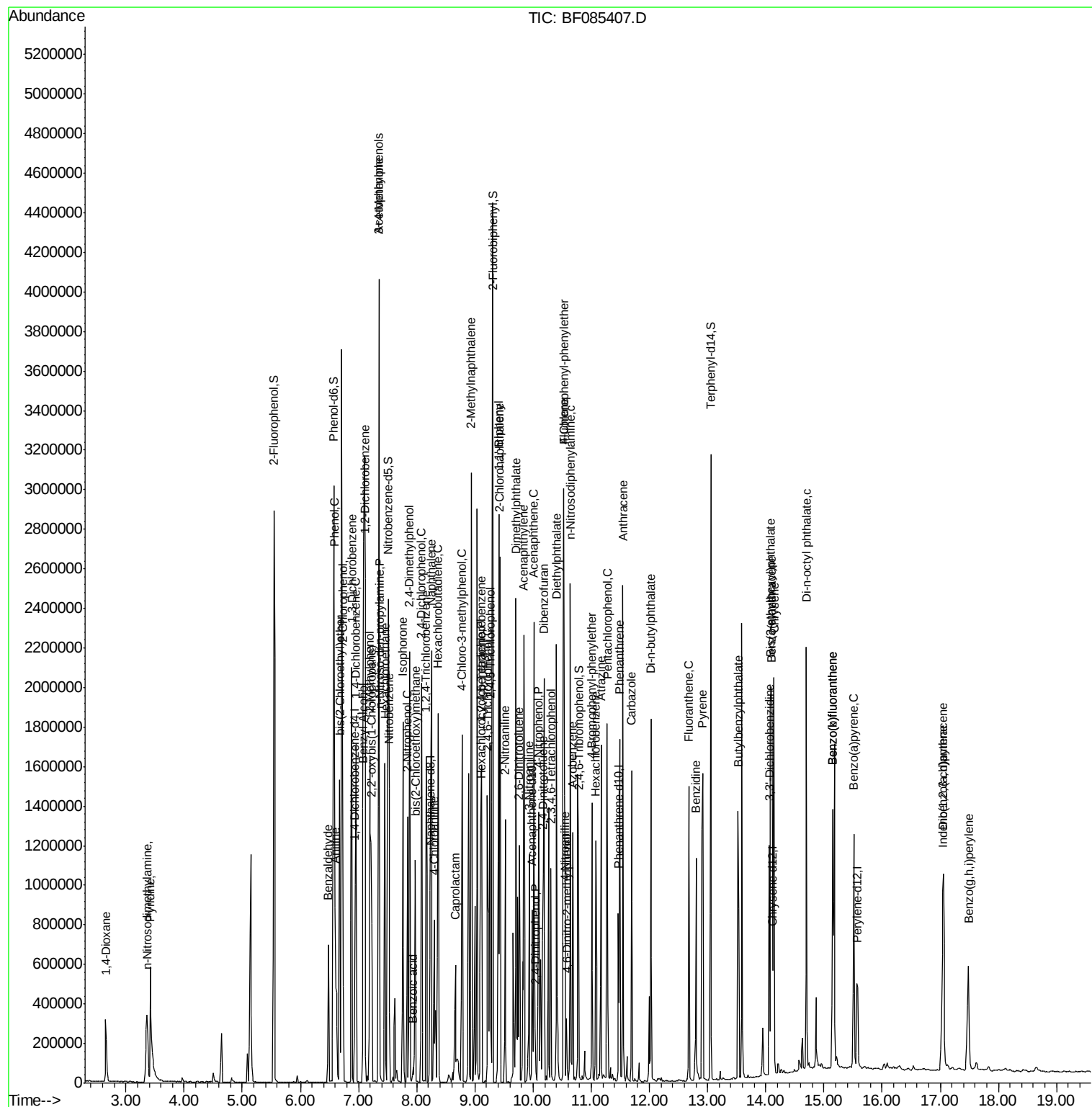
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.21	196	234723	53.69	ng	95
43) 2,4,5-Trichlorophenol	9.26	196	233145	56.24	ng	96
45) 1,1'-Biphenyl	9.41	154	980192	55.87	ng	95
46) 2-Chloronaphthalene	9.43	162	716568	53.58	ng	95
47) 2-Nitroaniline	9.52	65	212653	51.31	ng	92
48) Acenaphthylene	9.84	152	1046744	50.29	ng	98
49) Dimethylphthalate	9.70	163	975948	61.91	ng	99
50) 2,6-Dinitrotoluene	9.76	165	165618	49.11	ng	# 74
51) Acenaphthene	10.01	154	617876	48.89	ng	99
52) 3-Nitroaniline	9.93	138	166832	41.35	ng	87
53) 2,4-Dinitrophenol	10.04	184	29208	23.38	ng	# 63
54) Dibenzofuran	10.18	168	869110	52.49	ng	97
55) 4-Nitrophenol	10.09	139	241339	76.12	ng	# 75
56) 2,4-Dinitrotoluene	10.17	165	239809	55.57	ng	# 77
57) Fluorene	10.53	166	619919	47.66	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.31	232	166498	57.17	ng	93
59) Diethylphthalate	10.40	149	786975	51.45	ng	96
60) 4-Chlorophenyl-phenylether	10.53	204	337488	53.33	ng	# 83
61) 4-Nitroaniline	10.55	138	188966	50.08	ng	88
62) Azobenzene	10.68	77	799856	53.08	ng	94
64) 4,6-Dinitro-2-methylphenol	10.57	198	32164	16.87	ng	# 47
65) n-Nitrosodiphenylamine	10.64	169	601052	60.70	ng	98
66) 4-Bromophenyl-phenylether	11.01	248	176178	56.99	ng	# 76
67) Hexachlorobenzene	11.08	284	170495	51.70	ng	# 65
68) Atrazine	11.17	200	183247	66.54	ng	98
69) Pentachlorophenol	11.27	266	180868	98.80	ng	100
70) Phenanthrene	11.49	178	883617	52.96	ng	99
71) Anthracene	11.54	178	885002	49.96	ng	99
72) Carbazole	11.69	167	777944	50.09	ng	98
73) Di-n-butylphthalate	12.02	149	1004181	51.15	ng	99
74) Fluoranthene	12.68	202	811736	48.48	ng	94
76) Benzidine	12.80	184	396025	55.26	ng	98
77) Pyrene	12.92	202	876875	48.38	ng	98
79) Butylbenzylphthalate	13.52	149	398500	48.46	ng	97
80) Benzo(a)anthracene	14.11	228	739689	51.31	ng	98
81) 3,3'-Dichlorobenzidine	14.06	252	210468	46.28	ng	99
82) Chrysene	14.14	228	729496	54.78	ng	100
83) Bis(2-ethylhexyl)phthalate	14.08	149	555885	51.37	ng	# 99
84) Di-n-octyl phthalate	14.70	149	1019418	61.85	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.04	276	595181	57.27	ng	98
87) Benzo(b)fluoranthene	15.15	252	811243	54.09	ng	100
88) Benzo(k)fluoranthene	15.15	252	811243	67.06	ng	99
89) Benzo(a)pyrene	15.51	252	627158	50.46	ng	# 94
90) Dibenzo(a,h)anthracene	17.05	278	511417	48.20	ng	99
91) Benzo(g,h,i)perylene	17.49	276	460359	43.15	ng	96

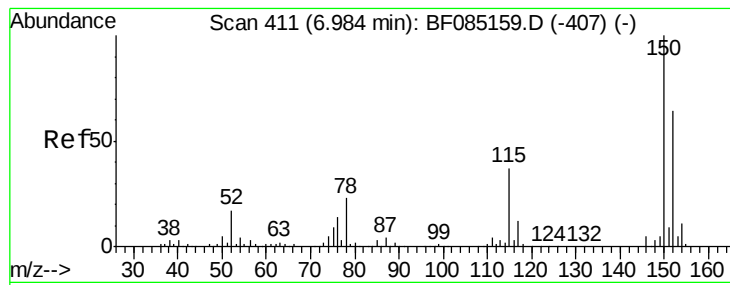
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF085407.D

Acq: 12 Mar 2016 8:57

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-19-COMP(0.5-3.0)MS

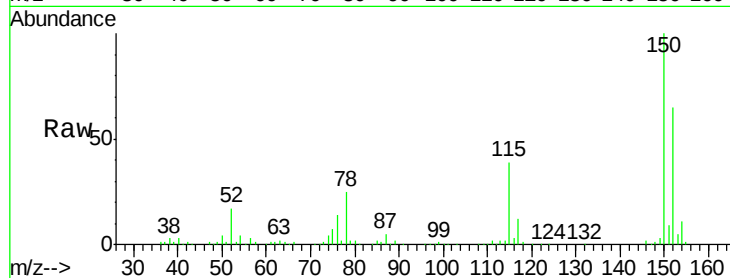
Tgt Ion:152 Resp: 142134

Ion Ratio Lower Upper

152 100

150 154.4 124.6 186.8

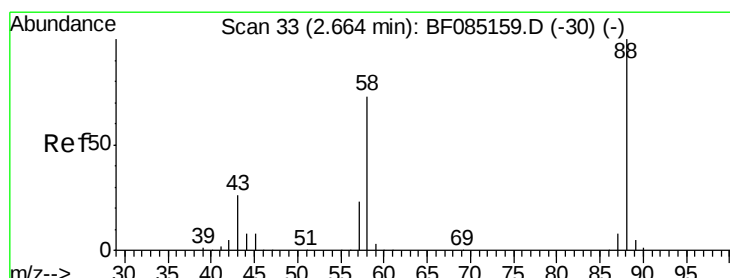
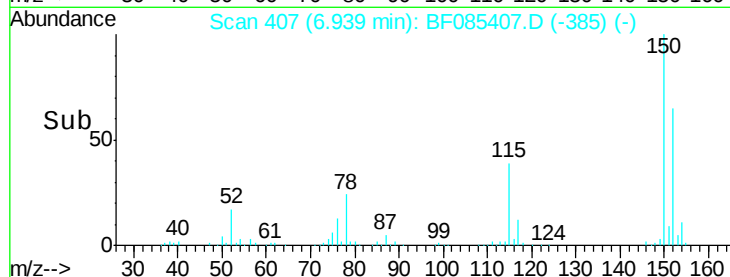
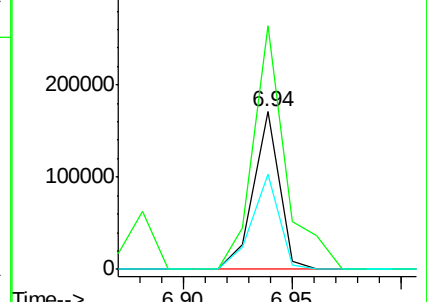
115 60.2 46.6 70.0



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: 39.30 ng

RT: 2.65 min Scan# 32

Delta R.T. -0.01 min

Lab File: BF085407.D

Acq: 12 Mar 2016 8:57

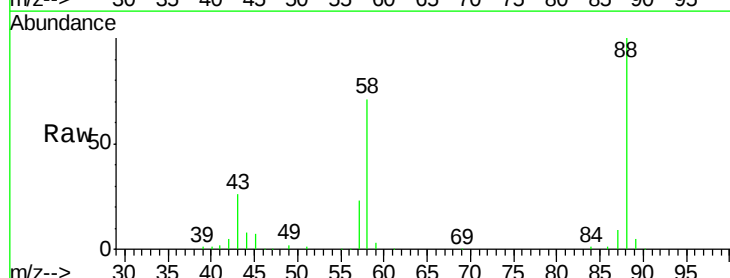
Tgt Ion: 88 Resp: 170311

Ion Ratio Lower Upper

88 100

58 70.9 57.0 85.6

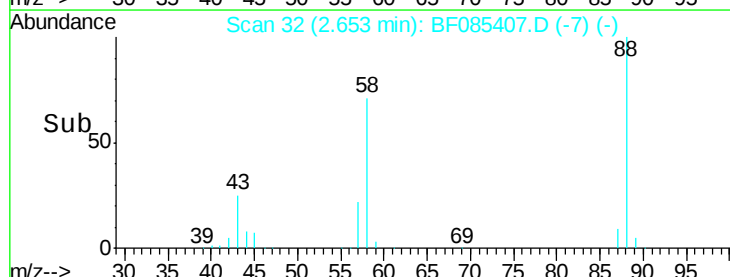
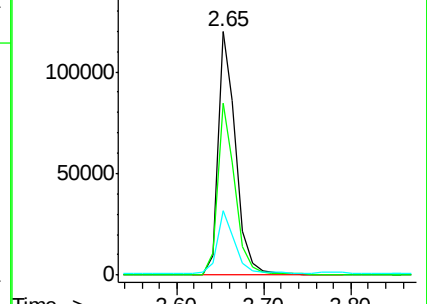
43 25.4 20.5 30.7

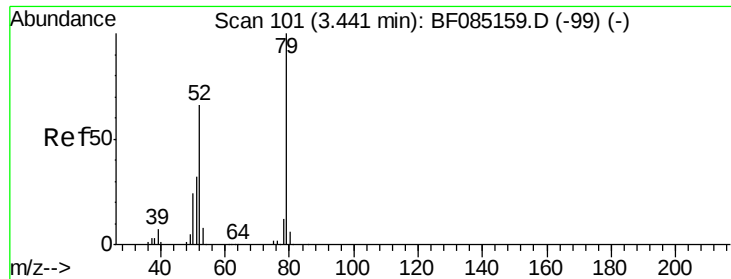


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

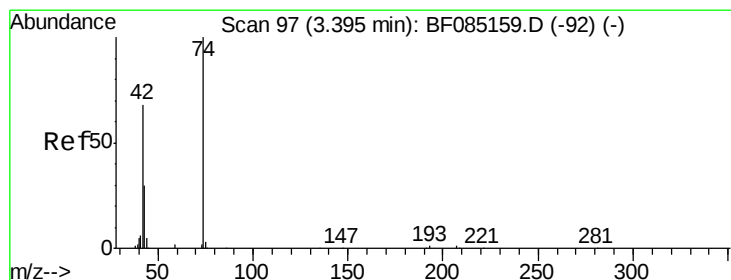
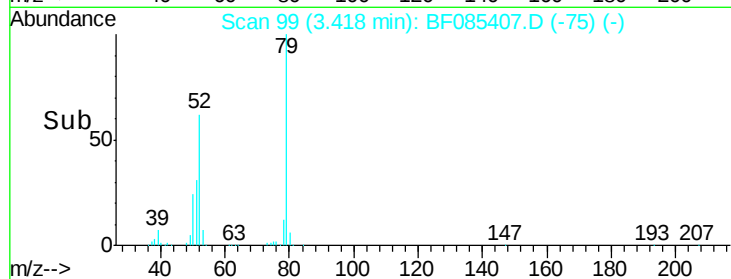
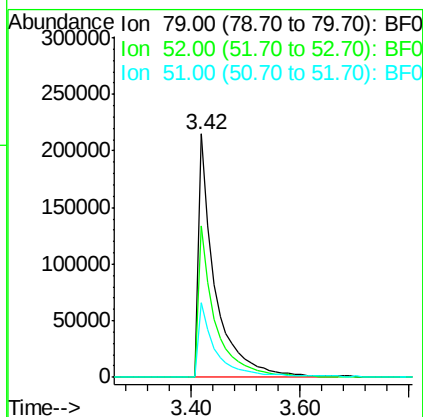
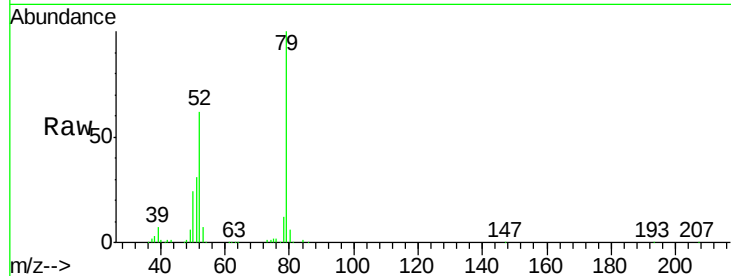




#3
 Pyridine
 Concen: 41.43 ng
 RT: 3.42 min Scan# 99
 Delta R.T. -0.02 min
 Lab File: BF085407.D
 Acq: 12 Mar 2016 8:57

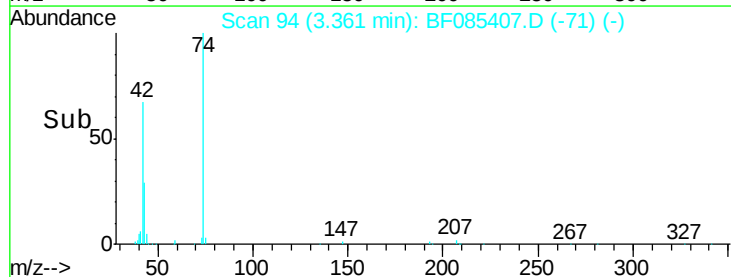
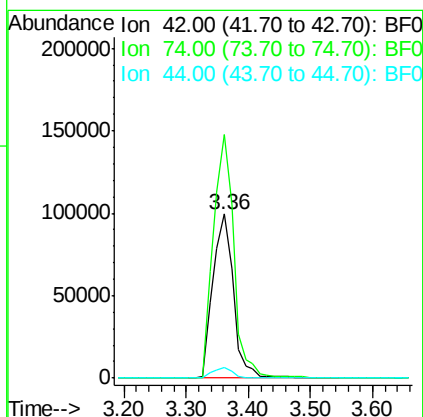
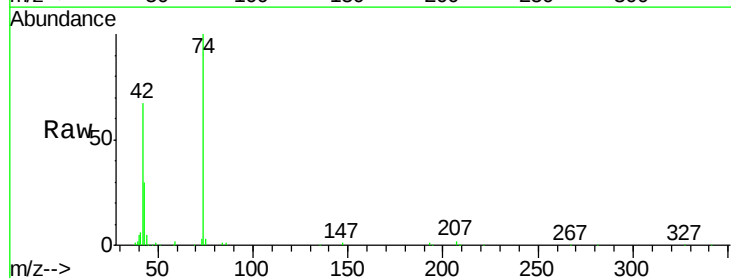
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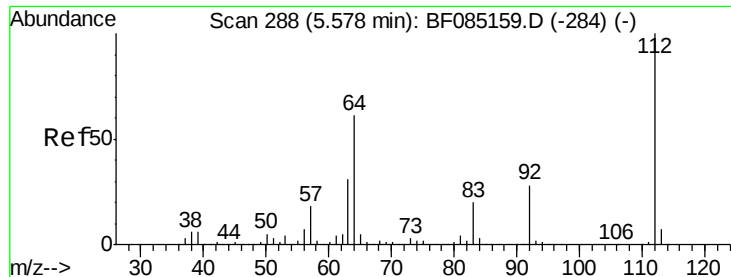
Tgt Ion: 79 Resp: 449349
 Ion Ratio Lower Upper
 79 100
 52 62.3 52.6 79.0
 51 30.9 25.8 38.8



#4
 n-Nitrosodimethylamine
 Concen: 48.69 ng
 RT: 3.36 min Scan# 94
 Delta R.T. -0.03 min
 Lab File: BF085407.D
 Acq: 12 Mar 2016 8:57

Tgt Ion: 42 Resp: 226022
 Ion Ratio Lower Upper
 42 100
 74 148.3 116.8 175.2
 44 6.8 5.5 8.3





#5

2-Fluorophenol

Concen: 145.20 ng

RT: 5.54 min Scan# 285

Delta R.T. -0.03 min

Lab File: BF085407.D

Acq: 12 Mar 2016 8:57

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-19-COMP(0.5-3.0)MS

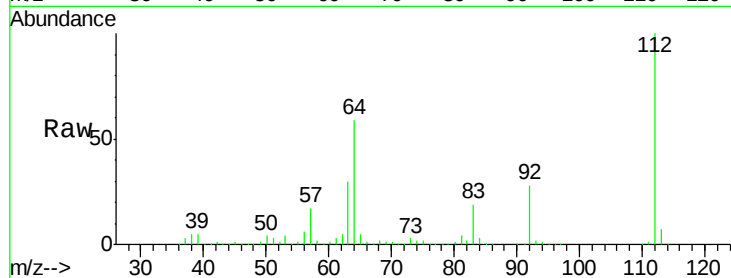
Tgt Ion: 112 Resp: 1230384

Ion Ratio Lower Upper

112 100

64 59.1 49.0 73.4

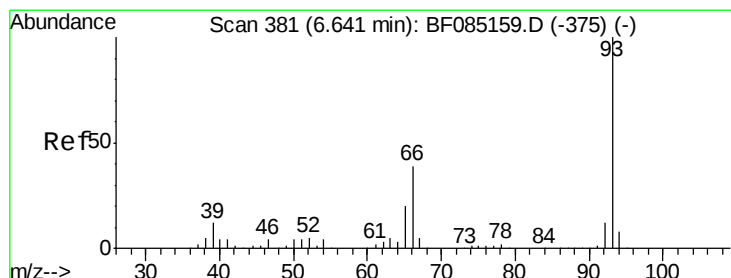
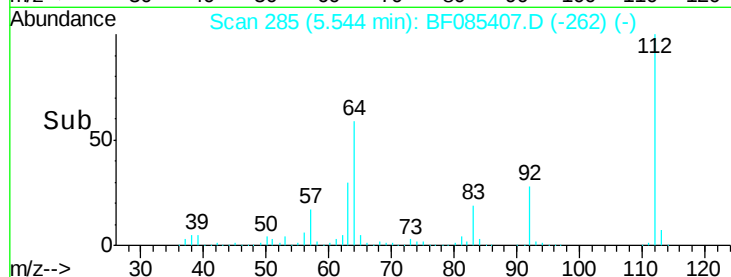
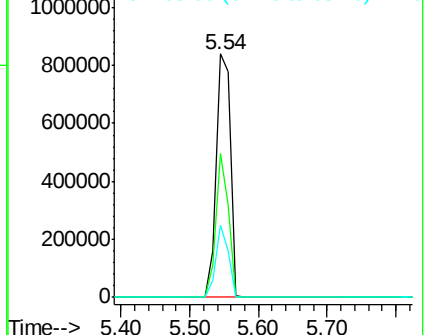
63 29.7 24.8 37.2



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: 34.87 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.05 min

Lab File: BF085407.D

Acq: 12 Mar 2016 8:57

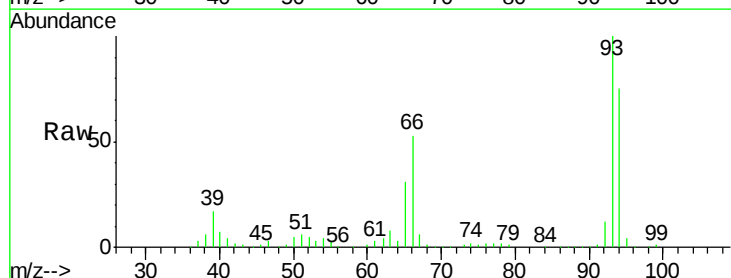
Tgt Ion: 93 Resp: 542503

Ion Ratio Lower Upper

93 100

66 52.9 31.6 47.4#

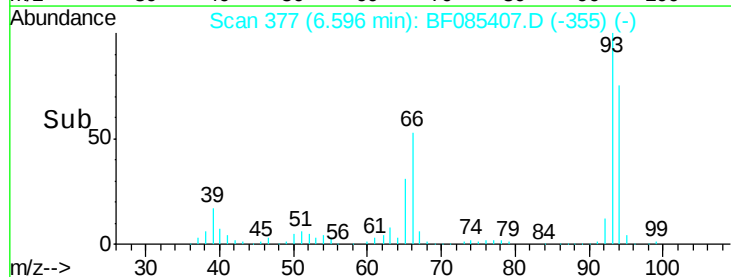
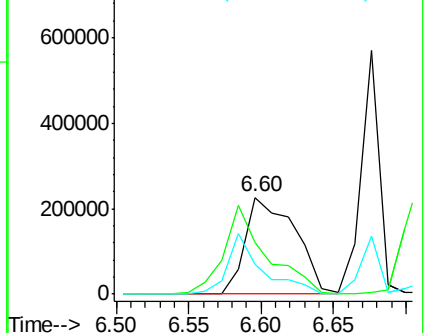
65 30.8 15.8 23.8#



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: 137.00 ng

RT: 6.57 min Scan# 375

Delta R.T. -0.03 min

Lab File: BF085407.D

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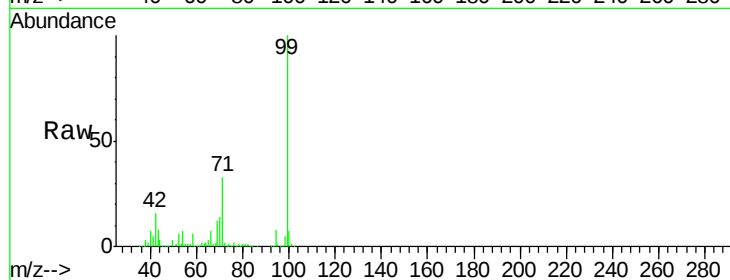
Tgt Ion: 99 Resp: 1520973

Ion Ratio Lower Upper

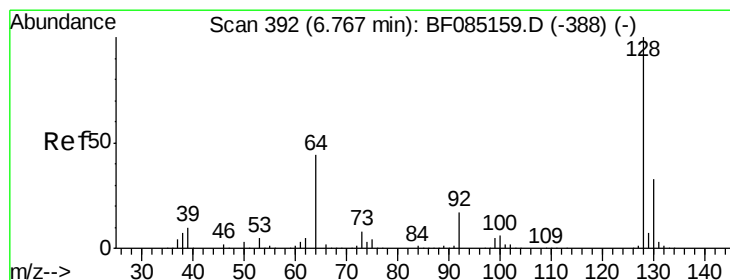
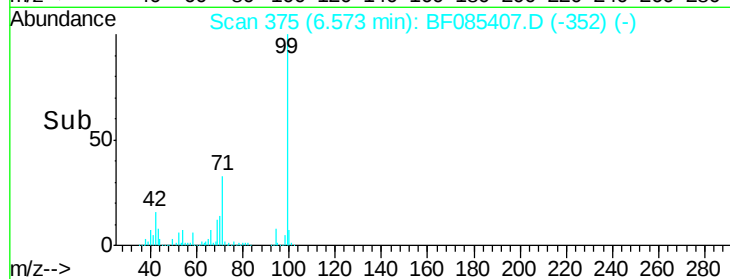
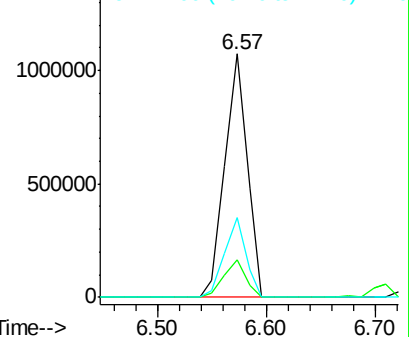
99 100

42 15.6 13.6 20.4

71 33.0 26.7 40.1



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



#8

2-Chlorophenol

Concen: 45.08 ng

RT: 6.72 min Scan# 388

Delta R.T. -0.05 min

Lab File: BF085407.D

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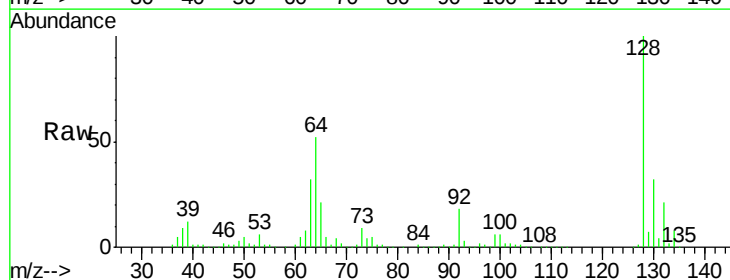
Tgt Ion: 128 Resp: 459887

Ion Ratio Lower Upper

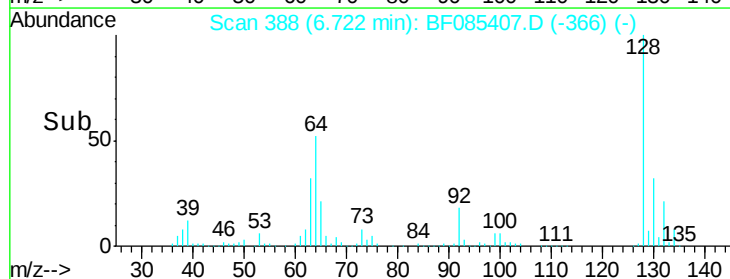
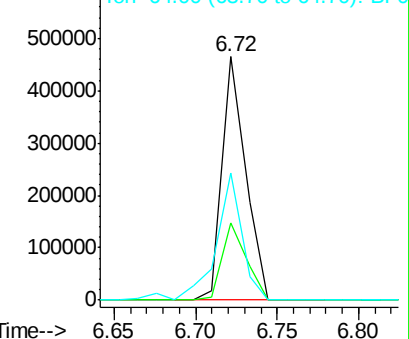
128 100

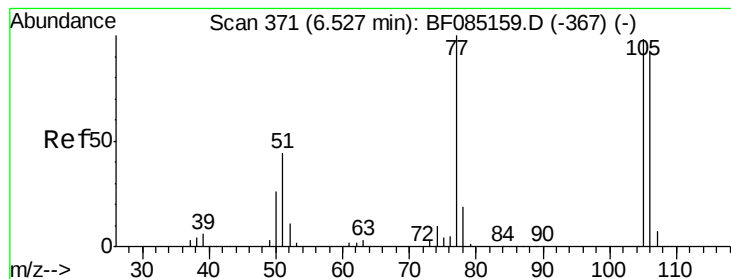
130 32.0 13.3 53.3

64 52.3 25.7 65.7



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: 22.33 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF085407.D

Acq: 12 Mar 2016 8:57

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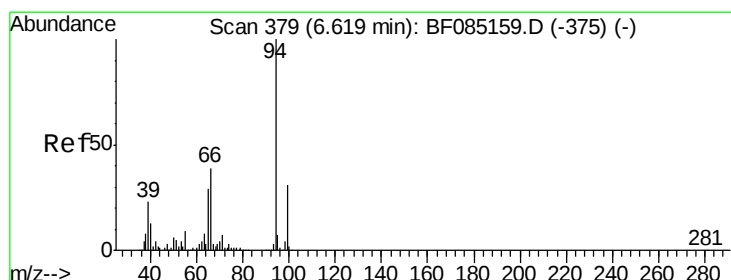
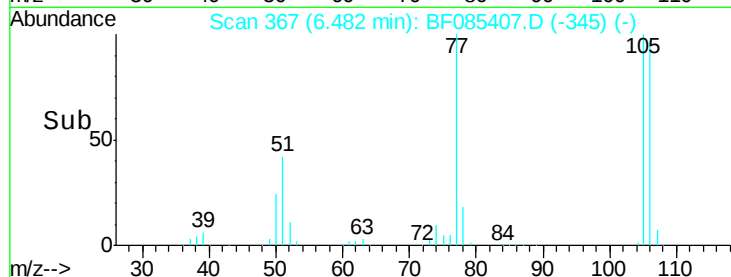
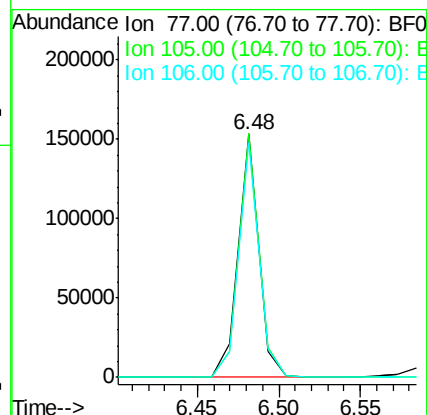
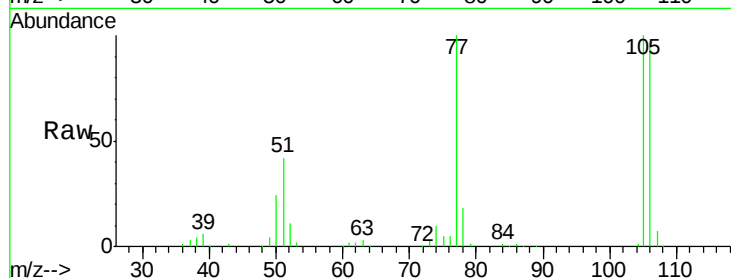
Tgt Ion: 77 Resp: 132443

Ion Ratio Lower Upper

77 100

105 100.2 78.2 118.2

106 96.7 72.9 112.9



#10

Phenol

Concen: 43.18 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF085407.D

Acq: 12 Mar 2016 8:57

Tgt Ion: 94 Resp: 513453

Ion Ratio Lower Upper

94 100

65 31.3 9.1 49.1

66 46.3 19.3 59.3

