

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072616\
 Data File : BF089316.D
 Acq On : 26 Jul 2016 20:12
 Operator : UM/SJ
 Sample : PB92432BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB92432BS

Quant Time: Jul 27 03:34:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 16:56:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	43401	20.00	ng	-0.02
21) Naphthalene-d8	7.83	136	187033	20.00	ng	-0.02
38) Acenaphthene-d10	9.58	164	91041	20.00	ng	-0.02
63) Phenanthrene-d10	11.05	188	173366	20.00	ng	-0.02
75) Chrysene-d12	13.67	240	129106	20.00	ng	-0.02
86) Perylene-d12	15.01	264	102878	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	356513	124.93	ng	-0.01
7) Phenol-d6	6.20	99	443952	120.64	ng	-0.02
23) Nitrobenzene-d5	7.12	82	294557	83.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.36	330	94622	115.44	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	567995	85.96	ng	-0.02
78) Terphenyl-d14	12.63	244	462144	77.64	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.04	88	42045	33.93	ng	# 88
3) Pyridine	2.65	79	101345	32.20	ng	98
4) n-Nitrosodimethylamine	2.62	42	40974	30.92	ng	100
6) Aniline	6.22	93	126783	25.50	ng	# 42
8) 2-Chlorophenol	6.33	128	136407	43.07	ng	92
9) Benzaldehyde	6.09	77	71650	36.11	ng	98
10) Phenol	6.22	94	164001	38.68	ng	# 68
11) bis(2-Chloroethyl)ether	6.30	93	134160	42.13	ng	100
12) 1,3-Dichlorobenzene	6.48	146	133838	38.28	ng	97
13) 1,4-Dichlorobenzene	6.56	146	142981	40.60	ng	97
14) 1,2-Dichlorobenzene	6.56	146	144902	43.64	ng	98
15) Benzyl Alcohol	6.71	79	108697	40.33	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.84	45	147409	40.63	ng	# 57
17) 2-Methylphenol	6.83	107	97812	39.21	ng	98
18) Hexachloroethane	7.05	117	54101	40.87	ng	# 91
19) n-Nitroso-di-n-propylamine	6.98	70	96514	40.10	ng	99
20) 3+4-Methylphenols	6.98	107	130043	38.40	ng	# 81
22) Acetophenone	6.97	105	169855	34.01	ng	# 98
24) Nitrobenzene	7.14	77	128251	34.55	ng	99
25) Isophorone	7.38	82	263149	40.56	ng	99
26) 2-Nitrophenol	7.45	139	65523	37.84	ng	97
27) 2,4-Dimethylphenol	7.51	122	109707	37.60	ng	100
28) bis(2-Chloroethoxy)methane	7.60	93	161921	39.90	ng	99
29) 2,4-Dichlorophenol	7.70	162	110194	41.91	ng	96
30) 1,2,4-Trichlorobenzene	7.78	180	110231	37.87	ng	99
31) Naphthalene	7.85	128	392159	38.85	ng	100
32) Benzoic acid	7.67	122	60936	27.16	ng	88
33) 4-Chloroaniline	7.92	127	65426	15.41	ng	95
34) Hexachlorobutadiene	7.98	225	62469	38.57	ng	98
35) Caprolactam	8.28	113	18444	22.59	ng	97
36) 4-Chloro-3-methylphenol	8.41	107	122528	38.68	ng	97
37) 2-Methylnaphthalene	8.55	142	241440	37.50	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.71	216	92917	27.46	ng	98
40) Hexachlorocyclopentadiene	8.70	237	79456	71.18	ng	99

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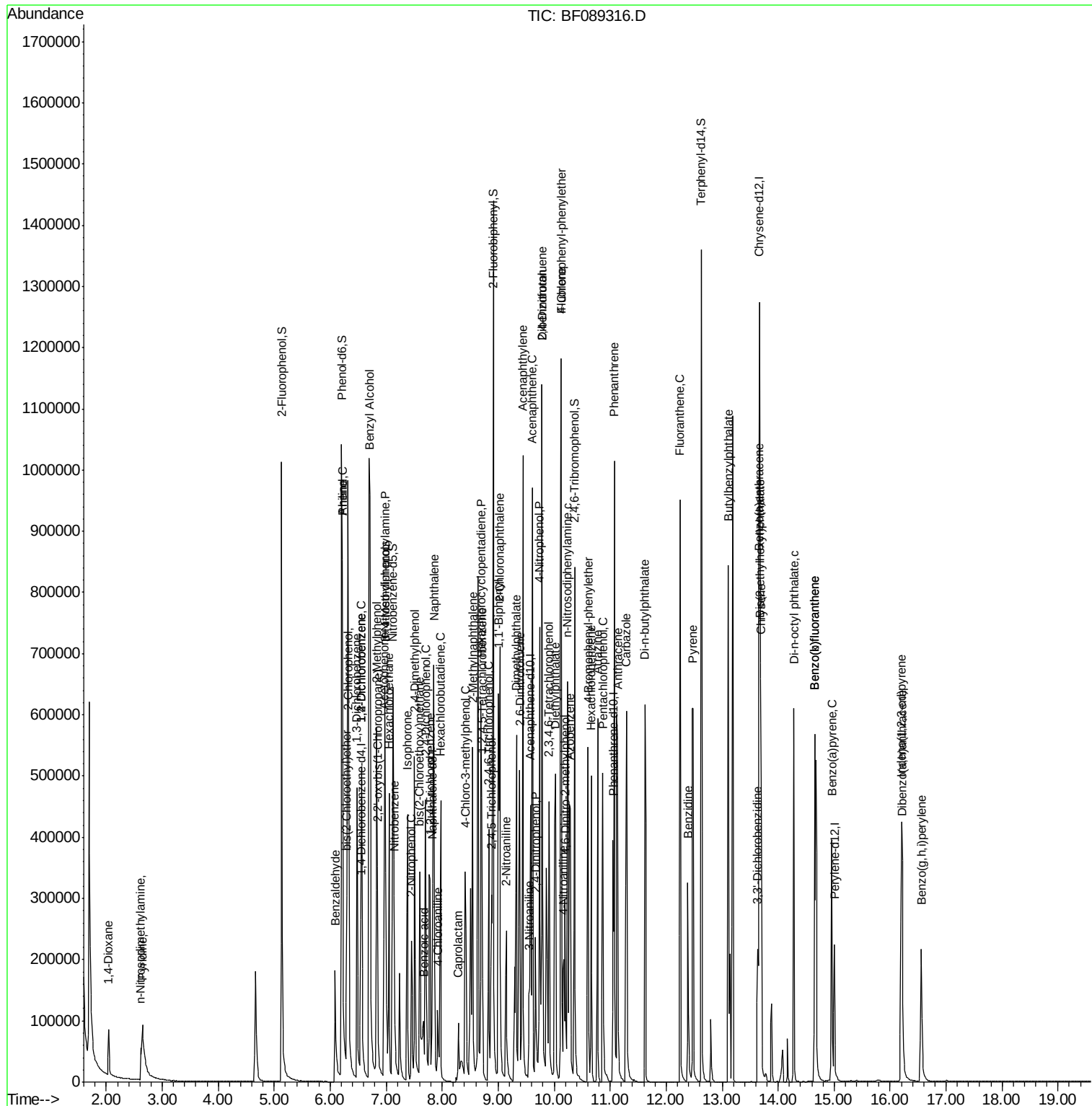
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42) 2,4,6-Trichlorophenol	8.83	196	66967	35.36	ng	98
43) 2,4,5-Trichlorophenol	8.88	196	78667	41.38	ng	97
45) 1,1'-Biphenyl	9.00	154	261016	31.84	ng	100
46) 2-Chloronaphthalene	9.03	162	238812	38.33	ng	99
47) 2-Nitroaniline	9.14	65	74684	34.94	ng	# 74
48) Acenaphthylene	9.44	152	386249	39.43	ng	99
49) Dimethylphthalate	9.32	163	294644	42.17	ng	100
50) 2,6-Dinitrotoluene	9.38	165	64438	40.85	ng	# 84
51) Acenaphthene	9.61	154	228629	39.46	ng	99
52) 3-Nitroaniline	9.55	138	35070	18.72	ng	92
53) 2,4-Dinitrophenol	9.67	184	45473	59.03	ng	# 88
54) Dibenzofuran	9.78	168	336956	43.04	ng	100
55) 4-Nitrophenol	9.74	139	65058	57.41	ng	87
56) 2,4-Dinitrotoluene	9.78	165	78404	38.59	ng	# 68
57) Fluorene	10.12	166	276121	41.55	ng	99
58) 2,3,4,6-Tetrachlorophenol	9.91	232	62216	45.57	ng	96
59) Diethylphthalate	10.02	149	290015	41.87	ng	95
60) 4-Chlorophenyl-phenylether	10.12	204	117030	38.57	ng	95
61) 4-Nitroaniline	10.17	138	64524	35.40	ng	91
62) Azobenzene	10.27	77	316923	42.09	ng	99
64) 4,6-Dinitro-2-methylphenol	10.19	198	41855	41.47	ng	# 71
65) n-Nitrosodiphenylamine	10.24	169	226849	39.15	ng	99
66) 4-Bromophenyl-phenylether	10.60	248	72816	42.44	ng	95
67) Hexachlorobenzene	10.66	284	65699	35.60	ng	# 53
68) Atrazine	10.78	200	71936	39.70	ng	99
69) Pentachlorophenol	10.87	266	67590	79.40	ng	99
70) Phenanthrene	11.07	178	401626	42.23	ng	100
71) Anthracene	11.13	178	403600	40.83	ng	99
72) Carbazole	11.29	167	363022	41.81	ng	99
73) Di-n-butylphthalate	11.62	149	440523	41.02	ng	99
74) Fluoranthene	12.25	202	418386	41.85	ng	96
76) Benzidine	12.39	184	177057	39.89	ng	99
77) Pyrene	12.48	202	401901	37.69	ng	99
79) Butylbenzylphthalate	13.11	149	188444	41.78	ng	95
80) Benzo(a)anthracene	13.66	228	306520	37.28	ng	99
81) 3,3'-Dichlorobenzidine	13.63	252	61454	22.53	ng	98
82) Chrysene	13.69	228	309853	39.45	ng	99
83) Bis(2-ethylhexyl)phthalate	13.68	149	270231	45.17	ng	# 93
84) Di-n-octyl phthalate	14.29	149	443420	44.92	ng	99
85) Indeno(1,2,3-cd)pyrene	16.21	276	227616	39.90	ng	98
87) Benzo(b)fluoranthene	14.65	252	531823	71.37	ng	98
88) Benzo(k)fluoranthene	14.65	252	531823	99.81	ng	# 95
89) Benzo(a)pyrene	14.96	252	254684	44.03	ng	# 93
90) Dibenzo(a,h)anthracene	16.22	278	191585	41.95	ng	97
91) Benzo(g,h,i)perylene	16.56	276	186262	40.45	ng	99

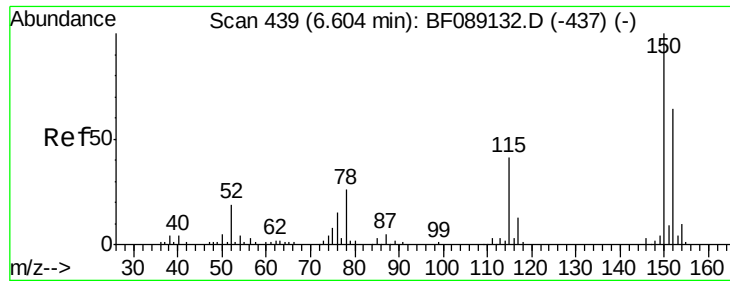
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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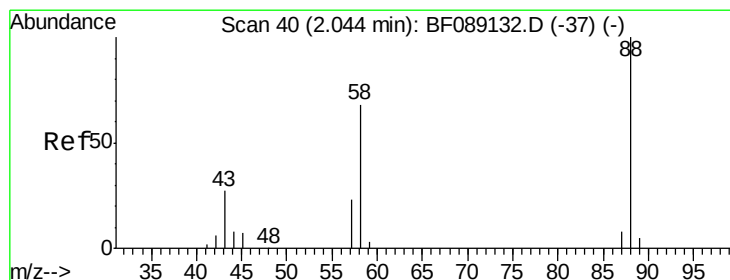
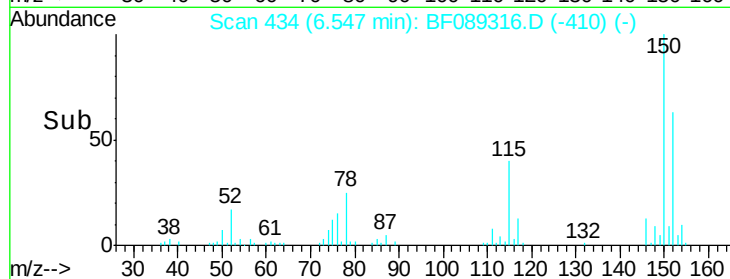
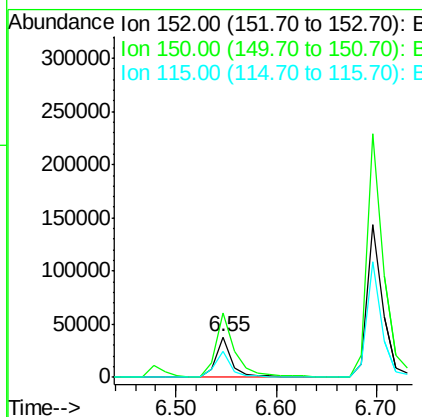
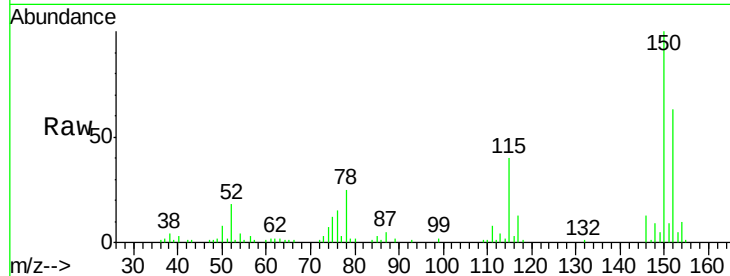




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.02 min
 Lab File: BF089316.D
 Acq: 26 Jul 2016 20:12

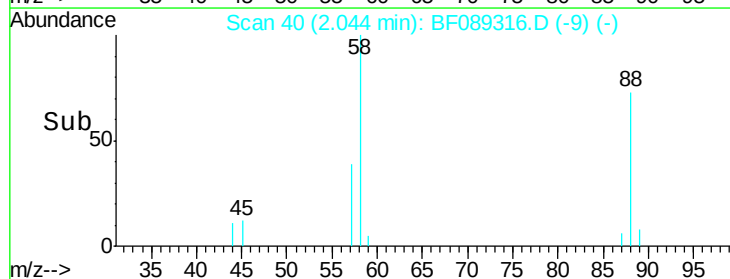
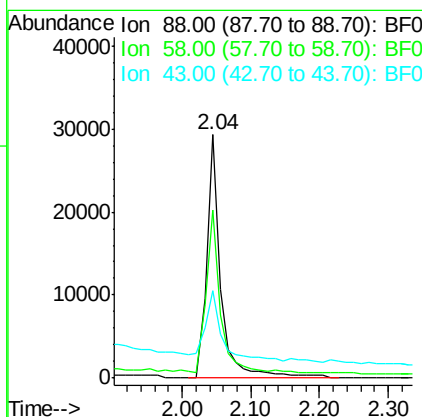
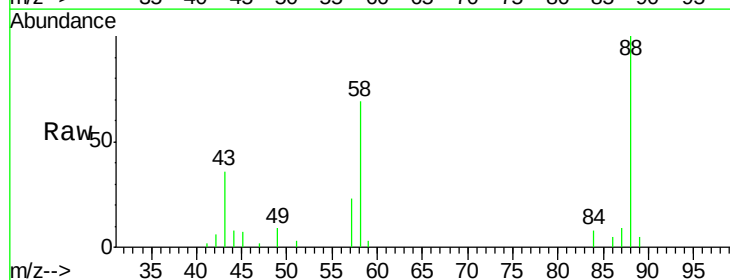
Instrument :
 BNA_F
 ClientSampleId :
 PB92432BS

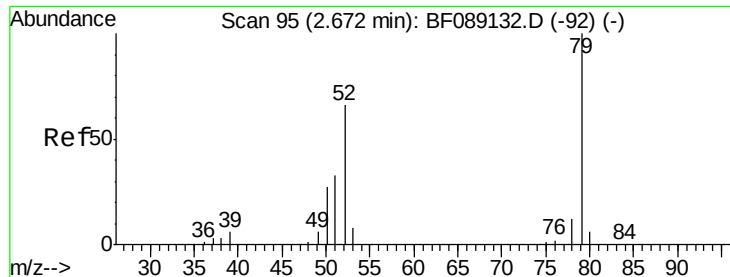
Tgt Ion:152 Resp: 43401
 Ion Ratio Lower Upper
 152 100
 150 159.6 125.1 187.7
 115 63.5 51.1 76.7



#2
 1,4-Dioxane
 Concen: 33.93 ng
 RT: 2.04 min Scan# 40
 Delta R.T. 0.06 min
 Lab File: BF089316.D
 Acq: 26 Jul 2016 20:12

Tgt Ion: 88 Resp: 42045
 Ion Ratio Lower Upper
 88 100
 58 66.4 49.2 73.8
 43 38.3 20.6 30.8#





#3

Pyridine

Concen: 32.20 ng

RT: 2.65 min Scan# 93

Delta R.T. 0.05 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

Instrument :

BNA_F

ClientSampleId :

PB92432BS

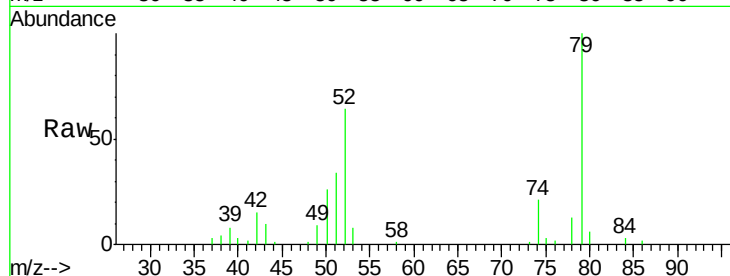
Tgt Ion: 79 Resp: 101345

Ion Ratio Lower Upper

79 100

52 63.9 52.9 79.3

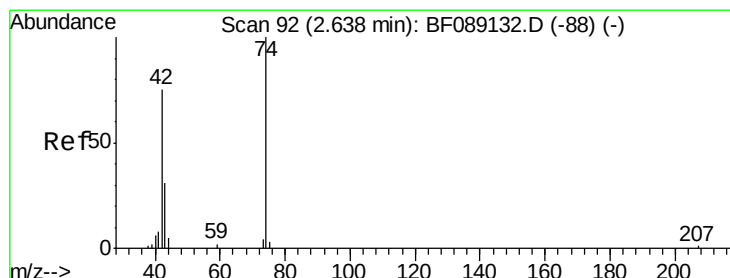
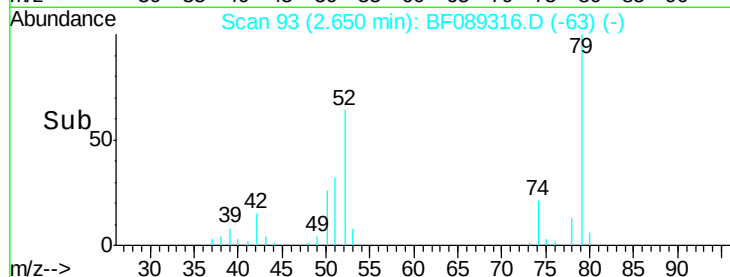
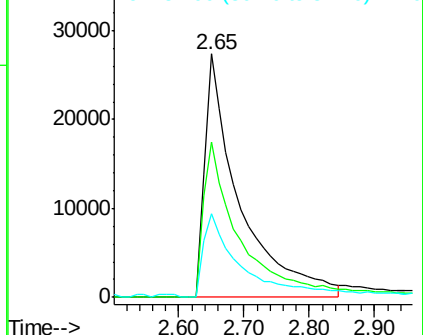
51 34.1 27.0 40.6



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: 30.92 ng

RT: 2.62 min Scan# 90

Delta R.T. 0.03 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

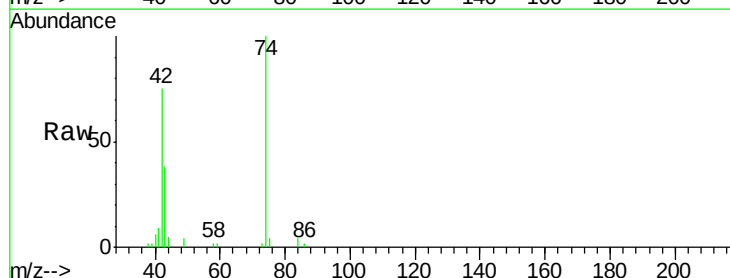
Tgt Ion: 42 Resp: 40974

Ion Ratio Lower Upper

42 100

74 133.5 106.4 159.6

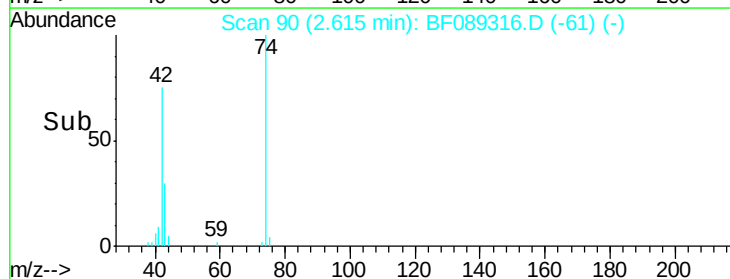
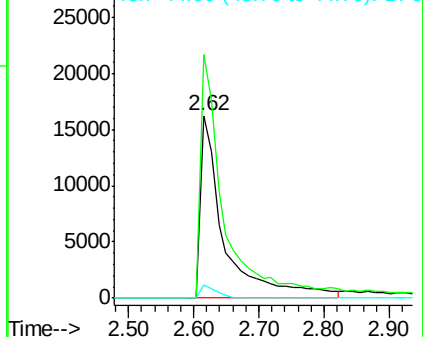
44 6.9 5.2 7.8

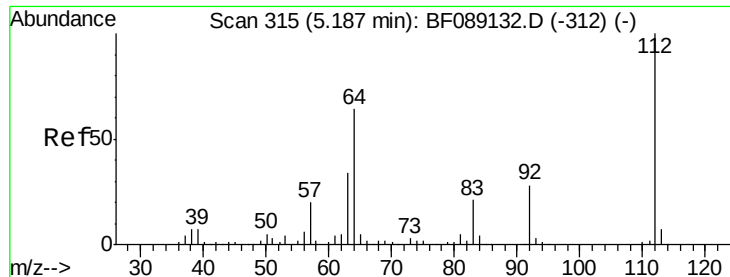


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 124.93 ng

RT: 5.13 min Scan# 310

Delta R.T. -0.01 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

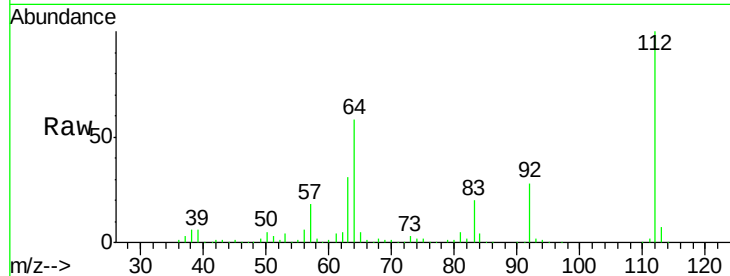
Instrument :

BNA_F

ClientSampleId :

PB92432BS

Tgt Ion:	112	Resp:	356513
Ion	Ratio	Lower	Upper
112	100		
64	57.8	51.0	76.4
63	31.2	27.3	40.9

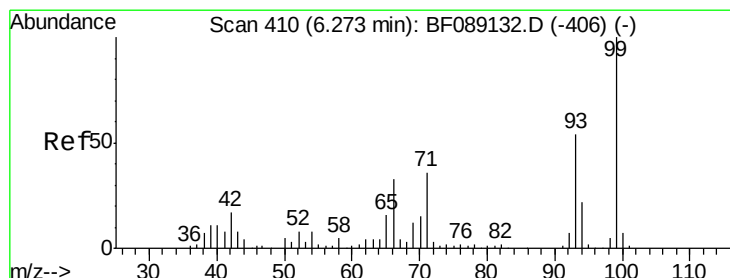
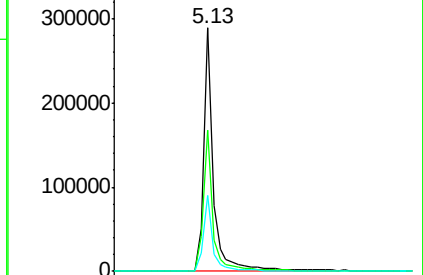
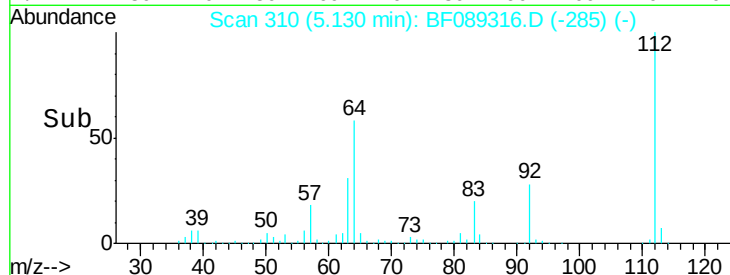


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->



#6

Aniline

Concen: 25.50 ng

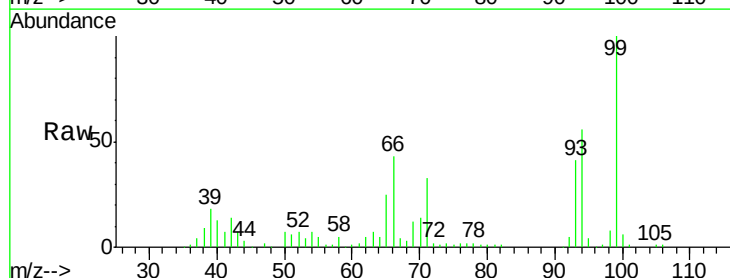
RT: 6.22 min Scan# 405

Delta R.T. -0.01 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

Tgt Ion:	93	Resp:	126783
Ion	Ratio	Lower	Upper
93	100		
66	105.1	48.9	73.3#
65	60.9	23.9	35.9#

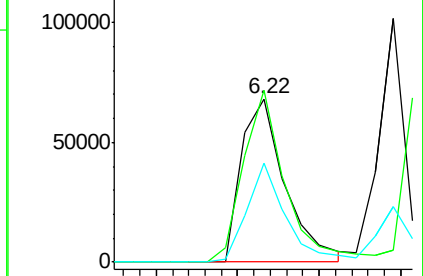
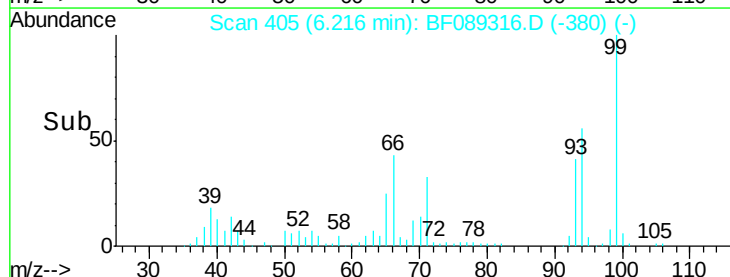


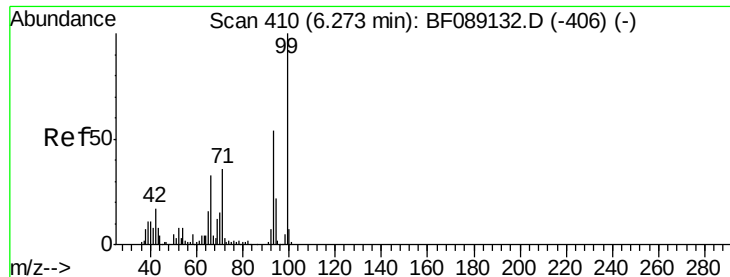
Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Time-->





#7

Phenol-d6

Concen: 120.64 ng

RT: 6.20 min Scan# 404

Delta R.T. -0.02 min

Lab File: BF089316.D

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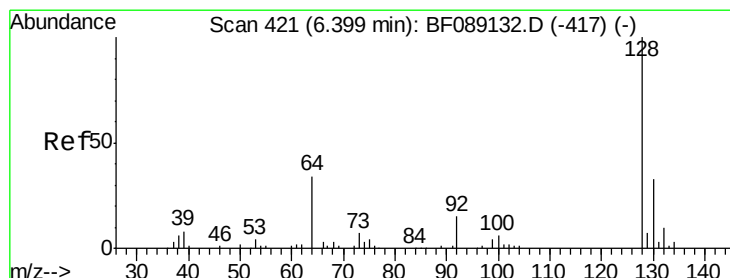
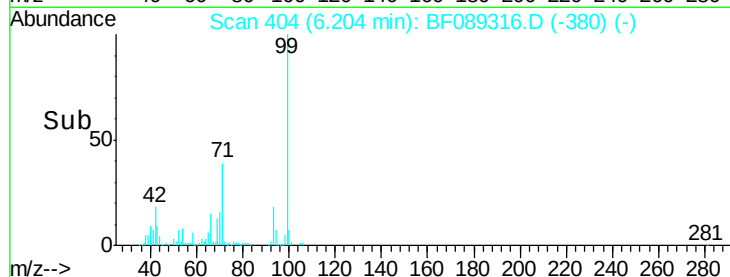
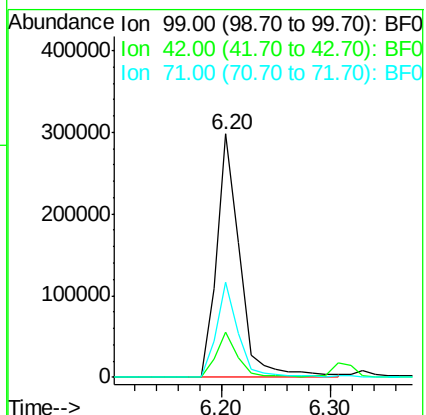
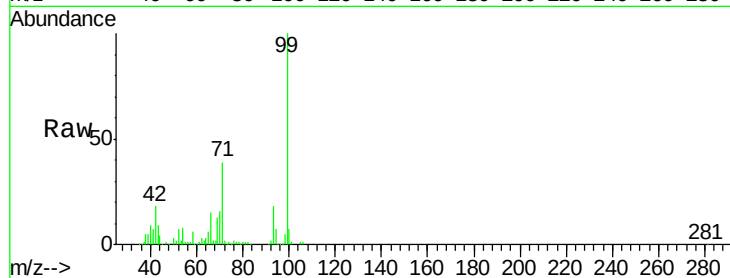
Tgt Ion: 99 Resp: 443952

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

71 38.8 28.9 43.3



#8

2-Chlorophenol

Concen: 43.07 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

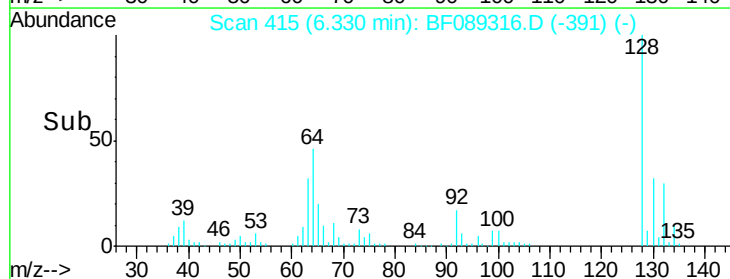
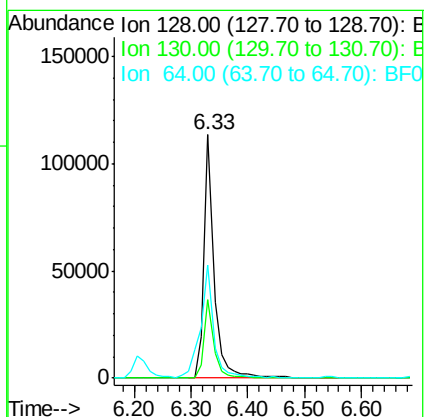
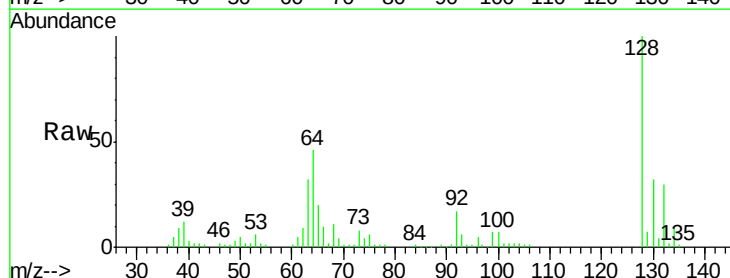
Tgt Ion: 128 Resp: 136407

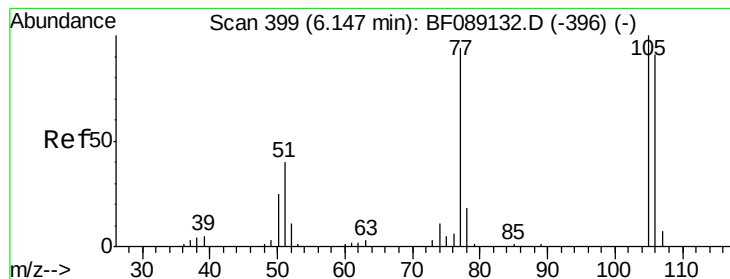
Ion Ratio Lower Upper

128 100

130 32.5 12.6 52.6

64 46.2 17.5 57.5





#9

Benzaldehyde

Concen: 36.11 ng

RT: 6.09 min Scan# 394

Delta R.T. -0.02 min

Lab File: BF089316.D

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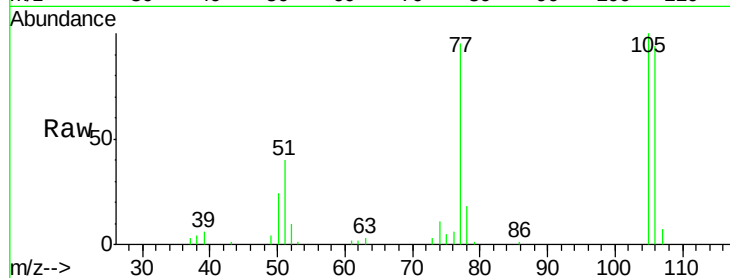
Tgt Ion: 77 Resp: 71650

Ion Ratio Lower Upper

77 100

105 105.7 86.2 126.2

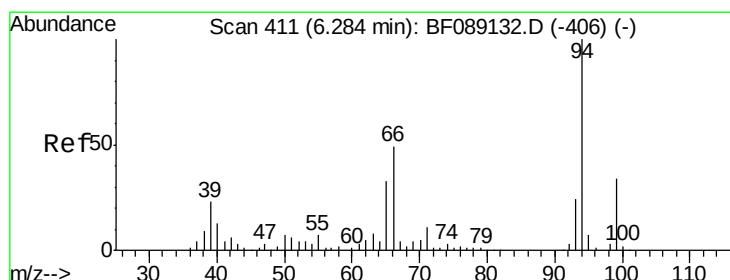
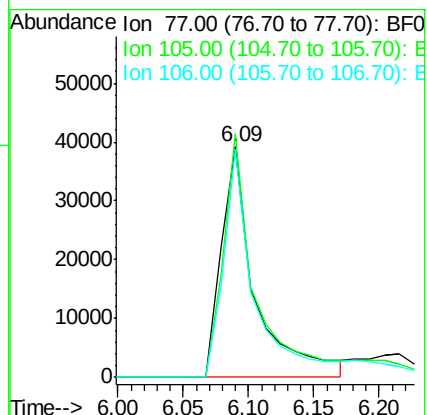
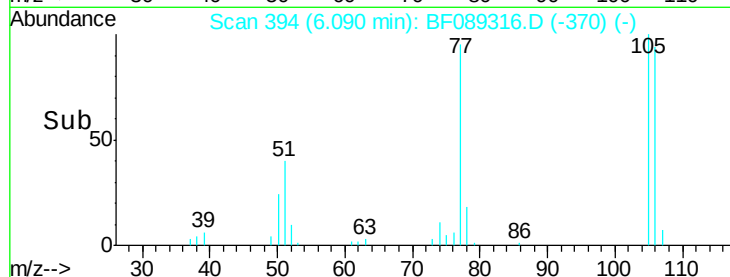
106 99.2 76.3 116.3



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: 38.68 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

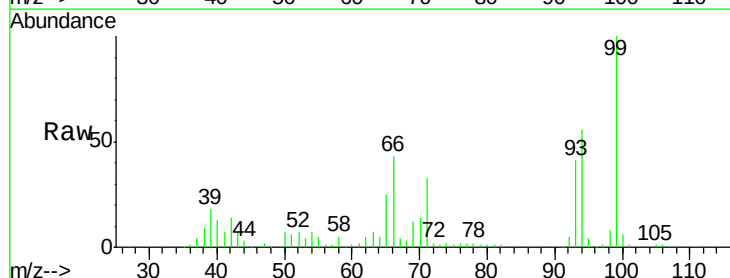
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Ion Ratio Lower Upper

94 100

65 44.4 13.3 53.3

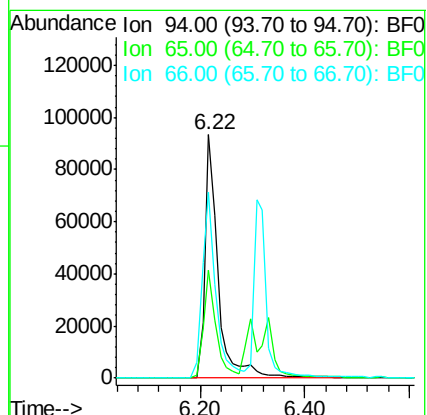
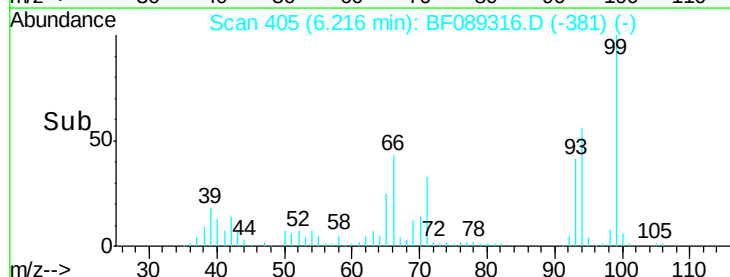
66 76.6 29.3 69.3#

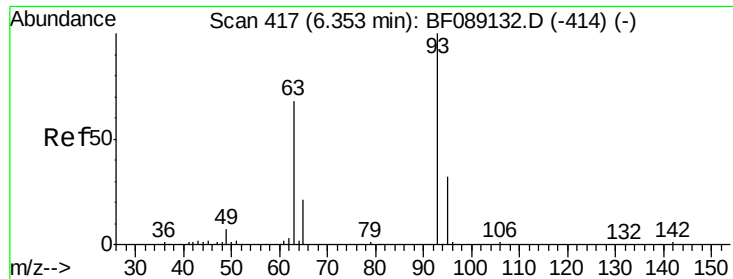


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



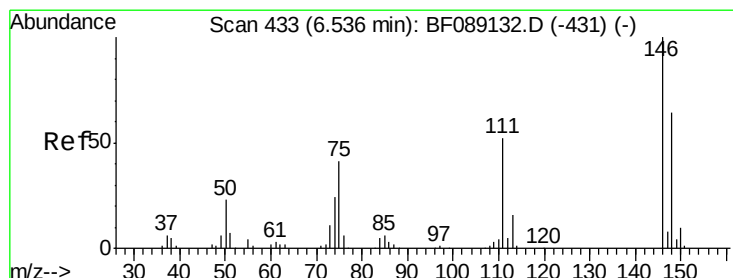
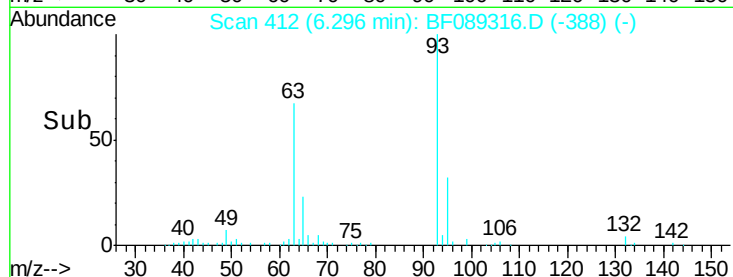
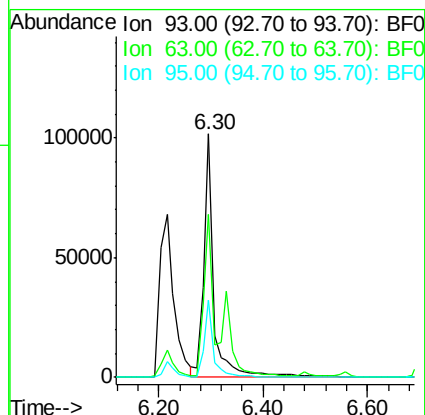
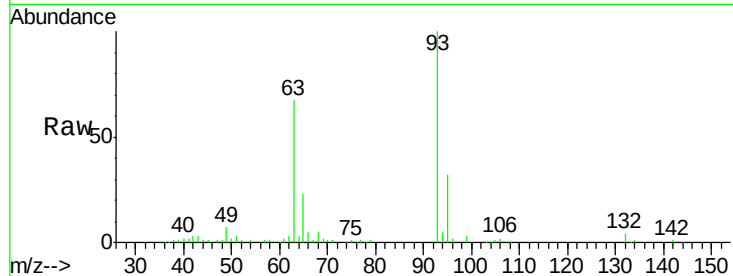


#11
bis(2-Chloroethyl)ether
Concen: 42.13 ng
RT: 6.30 min Scan# 412
Delta R.T. -0.02 min
Lab File: BF089316.D
Acq: 26 Jul 2016 20:12

Instrument :
BNA_F
ClientSampleId :
PB92432BS

Tgt Ion: 93 Resp: 134160

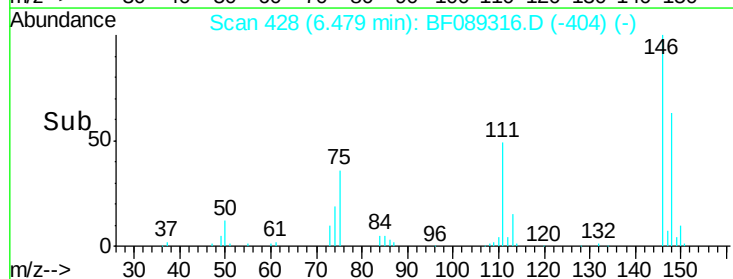
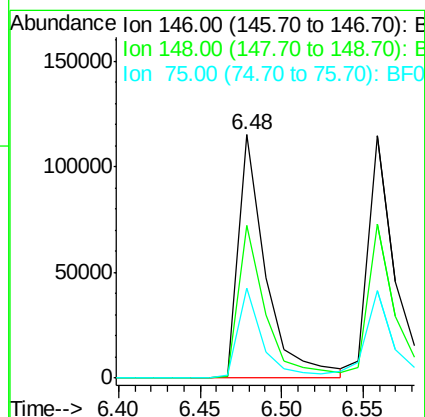
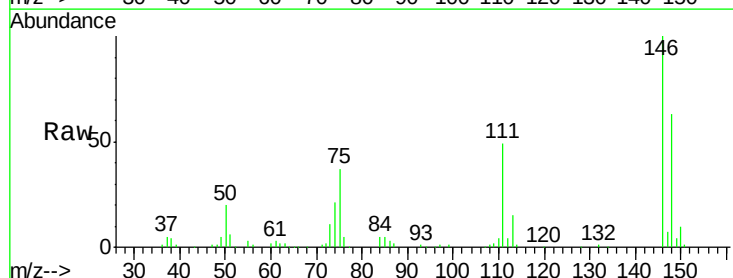
Ion	Ratio	Lower	Upper
93	100		
63	66.8	47.3	87.3
95	31.8	11.8	51.8

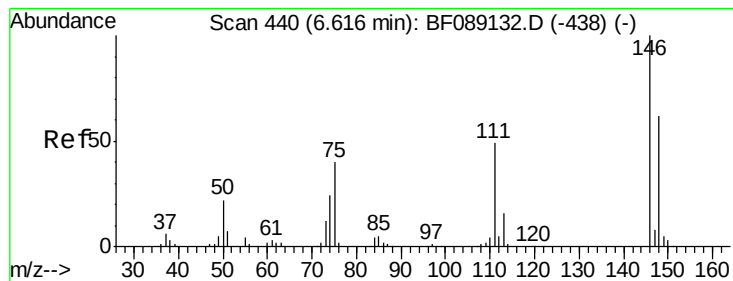


#12
1,3-Dichlorobenzene
Concen: 38.28 ng
RT: 6.48 min Scan# 428
Delta R.T. -0.02 min
Lab File: BF089316.D
Acq: 26 Jul 2016 20:12

Tgt Ion: 146 Resp: 133838

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.6
75	36.8	32.5	48.7





#13

1,4-Dichlorobenzene

Concen: 40.60 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.02 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

Instrument :

BNA_F

ClientSampleId :

PB92432BS

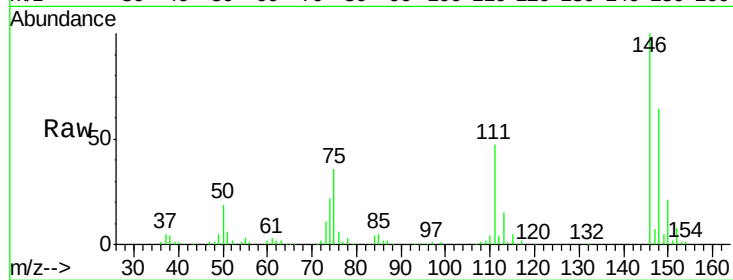
Tgt Ion:146 Resp: 142981

Ion Ratio Lower Upper

146 100

148 63.5 49.9 74.9

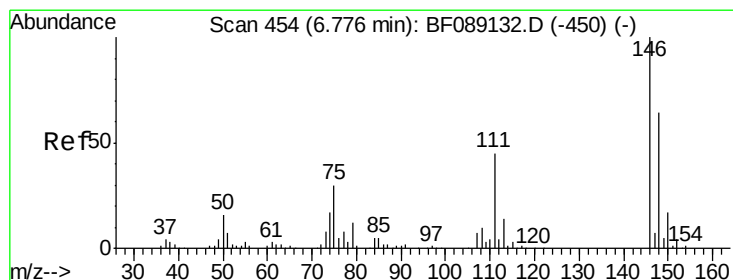
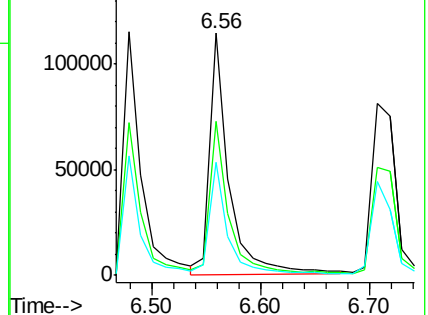
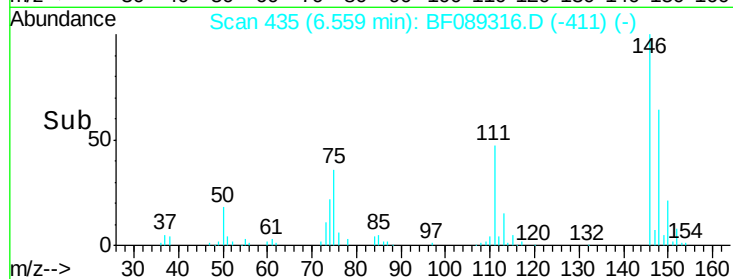
111 46.8 39.8 59.6



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.64 ng

RT: 6.56 min Scan# 435

Delta R.T. -0.18 min

Lab File: BF089316.D

Acq: 26 Jul 2016 20:12

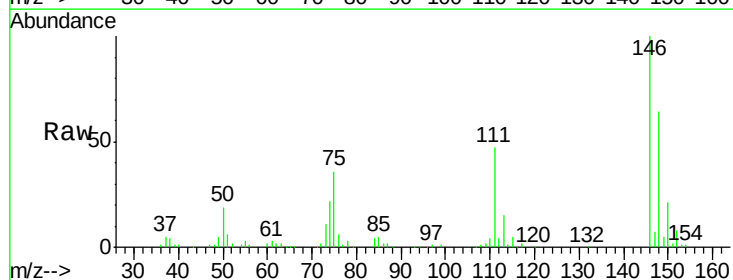
Tgt Ion:146 Resp: 144902

Ion Ratio Lower Upper

146 100

148 63.5 51.4 77.0

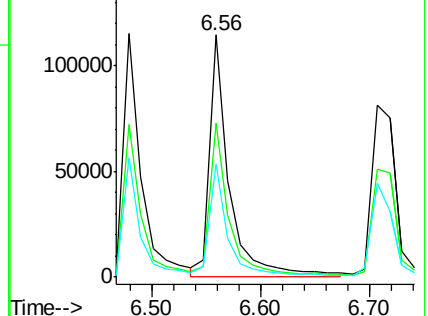
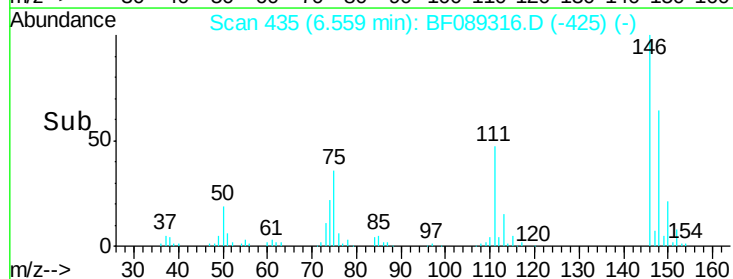
111 46.8 35.9 53.9

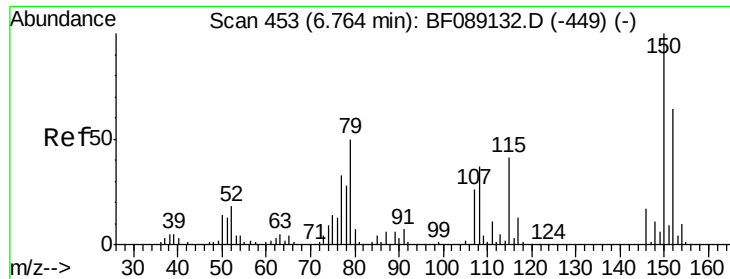


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

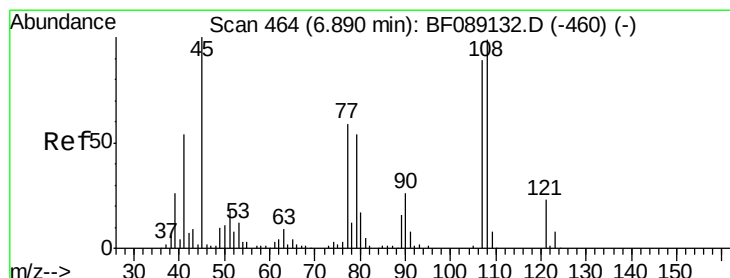
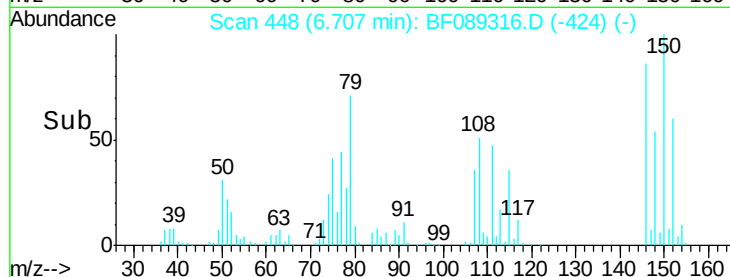
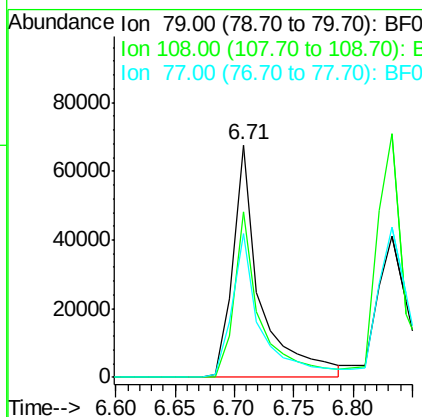
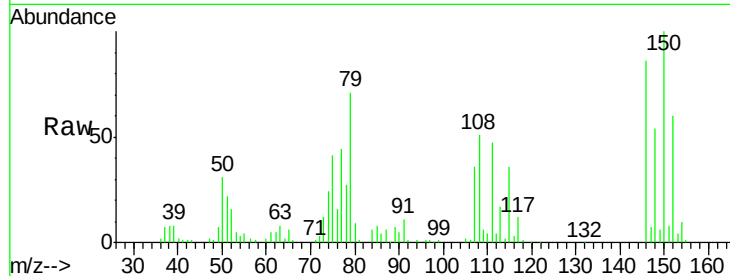




#15
Benzyl Alcohol
Concen: 40.33 ng
RT: 6.71 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF089316.D
Acq: 26 Jul 2016 20:12

Instrument :
BNA_F
ClientSampleId :
PB92432BS

Tgt Ion: 79 Resp: 108697
Ion Ratio Lower Upper
79 100
108 71.2 58.2 87.4
77 61.9 52.2 78.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.63 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.01 min
Lab File: BF089316.D
Acq: 26 Jul 2016 20:12

Tgt Ion: 45 Resp: 147409
Ion Ratio Lower Upper
45 100
77 26.7 39.7 79.7#
79 24.1 34.7 74.7#

