

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052716\
 Data File : BF087468.D
 Acq On : 28 May 2016 5:29
 Operator : UM/SJ
 Sample : H3190-07
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHS-STA-1699(0-4)

Quant Time: May 28 05:56:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	102045	20.00	ng	-0.03
21) Naphthalene-d8	9.52	136	403868	20.00	ng	-0.03
38) Acenaphthene-d10	12.35	164	166958	20.00	ng	-0.03
63) Phenanthrene-d10	14.77	188	256188	20.00	ng	-0.01
75) Chrysene-d12	18.46	240	225204	20.00	ng	-0.02
86) Perylene-d12	20.13	264	183665	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	701002	120.71	ng	-0.03
7) Phenol-d6	7.04	99	955136	121.72	ng	-0.03
23) Nitrobenzene-d5	8.40	82	611673	76.33	ng	-0.05
41) 2,4,6-Tribromophenol	13.66	330	175277	109.25	ng	-0.02
44) 2-Fluorobiphenyl	11.30	172	926784	78.26	ng	-0.03
78) Terphenyl-d14	17.11	244	734360	69.33	ng	-0.02

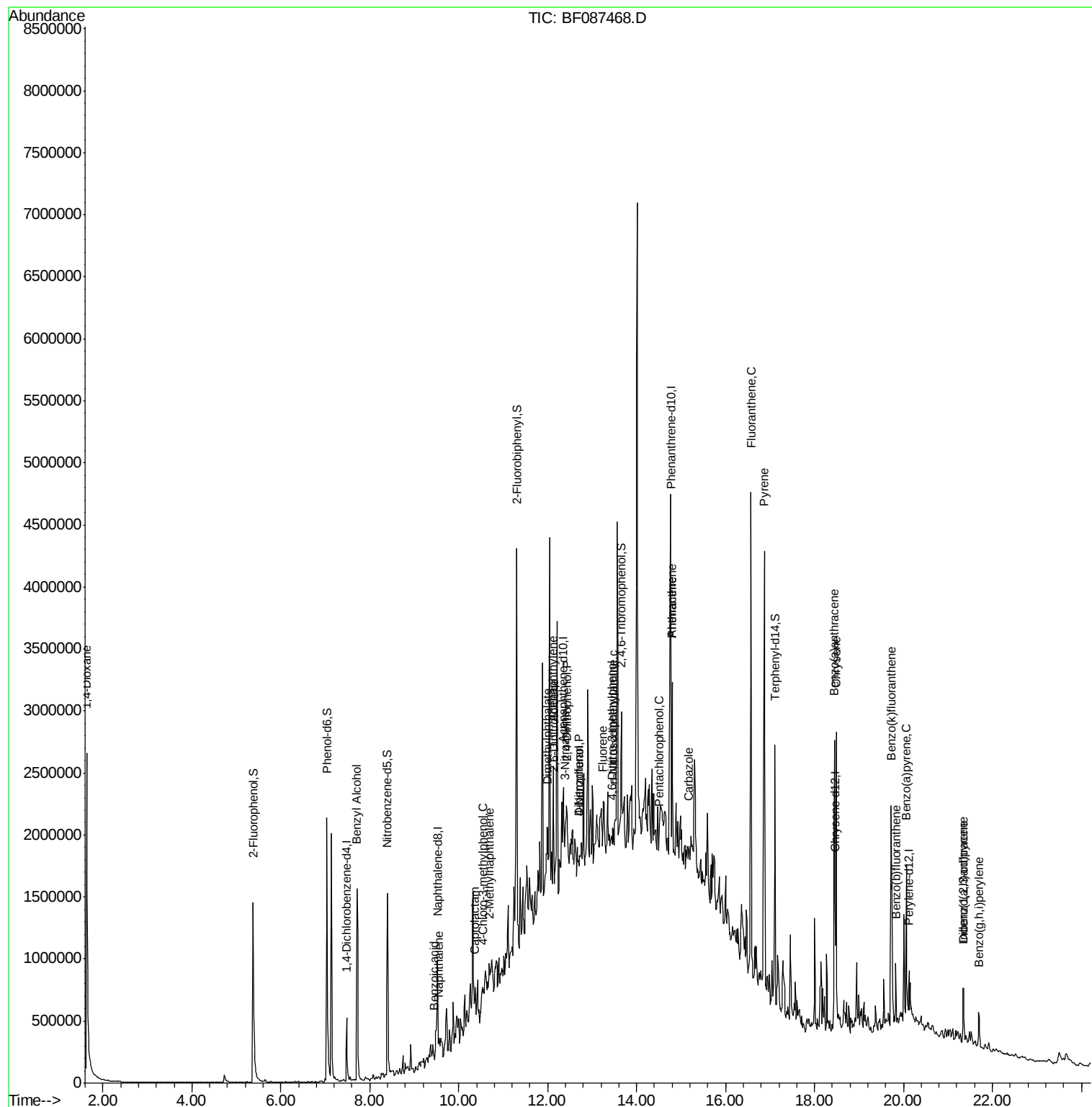
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.63	88	95130	31.04	ng	# 22
15) Benzyl Alcohol	7.71	79	12576	2.20	ng	# 46
31) Naphthalene	9.55	128	65689	3.25	ng	99
32) Benzoic acid	9.44	122	1500	6.25	ng	# 1
35) Caprolactam	10.36	113	3818	2.42	ng	# 1
36) 4-Chloro-3-methylphenol	10.55	107	17815	2.91	ng	# 25
37) 2-Methylnaphthalene	10.68	142	45272	3.58	ng	# 94
48) Acenaphthylene	12.13	152	222973	13.10	ng	# 92
49) Dimethylphthalate	12.00	163	170490	12.75	ng	# 96
50) 2,6-Dinitrotoluene	12.14	165	11537	4.28	ng	# 54
52) 3-Nitroaniline	12.40	138	7276	2.63	ng	# 46
53) 2,4-Dinitrophenol	12.42	184	732	7.03	ng	# 1
54) Dibenzofuran	12.70	168	33656	2.38	ng	# 68
55) 4-Nitrophenol	12.70	139	18713	14.18	ng	# 2
57) Fluorene	13.25	166	33515	2.73	ng	# 66
64) 4,6-Dinitro-2-methylphenol	13.45	198	6325	3.88	ng	# 1
65) n-Nitrosodiphenylamine	13.47	169	117839	14.22	ng	# 45
69) Pentachlorophenol	14.50	266	221	6.40	ng	# 1
70) Phenanthrene	14.80	178	714392	50.34	ng	99
71) Anthracene	14.80	178	714392	49.83	ng	98
72) Carbazole	15.18	167	70122	5.74	ng	# 77
74) Fluoranthene	16.57	202	2245420	157.80	ng	97
77) Pyrene	16.87	202	2005184	123.70	ng	# 93
80) Benzo(a)anthracene	18.45	228	1248615	97.47	ng	96
82) Chrysene	18.49	228	906177	71.28	ng	97
85) Indeno(1,2,3-cd)pyrene	21.34	276	290000	28.46	ng	# 86
87) Benzo(b)fluoranthene	19.83	252	202110	17.28	ng	95
88) Benzo(k)fluoranthene	19.73	252	1456459	144.63	ng	99
89) Benzo(a)pyrene	20.07	252	540791	53.45	ng	98
90) Dibenzo(a,h)anthracene	21.35	278	85655	9.92	ng	96
91) Benzo(g,h,i)perylene	21.69	276	217936	25.59	ng	94

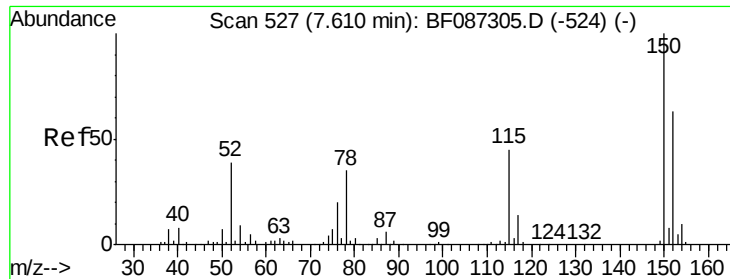
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.48 min Scan# 516

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1699(0-4)

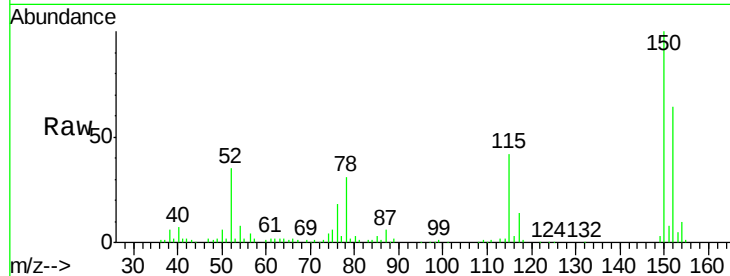
Tgt Ion: 152 Resp: 102045

Ion Ratio Lower Upper

152 100

150 156.3 125.8 188.6

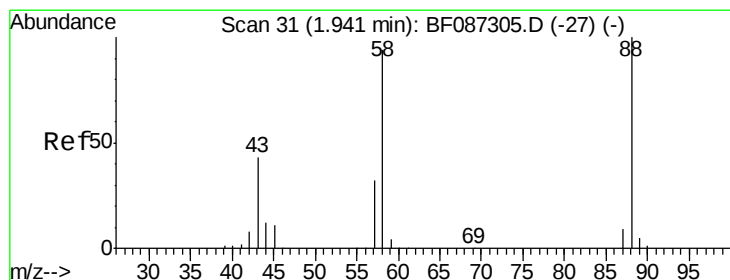
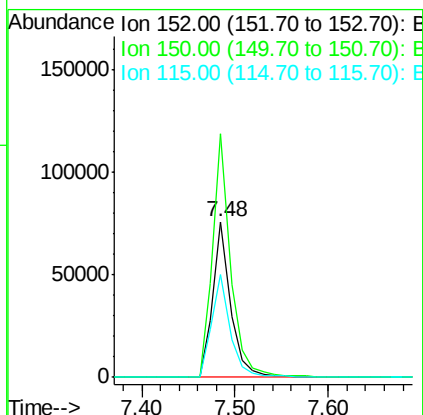
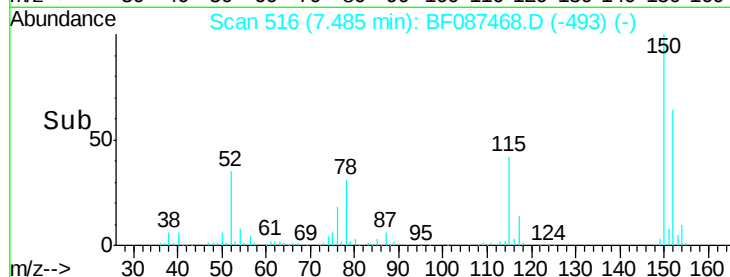
115 65.9 51.5 77.3



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: 31.04 ng

RT: 1.63 min Scan# 4

Delta R.T. -0.18 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

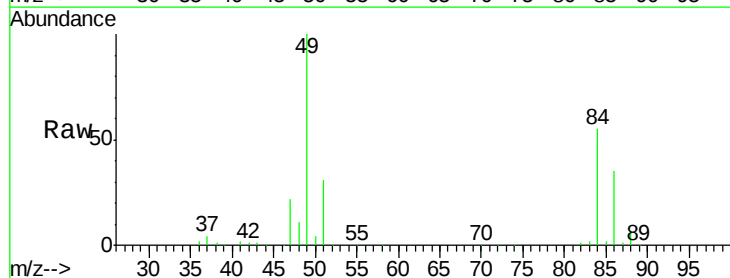
Tgt Ion: 88 Resp: 95130

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

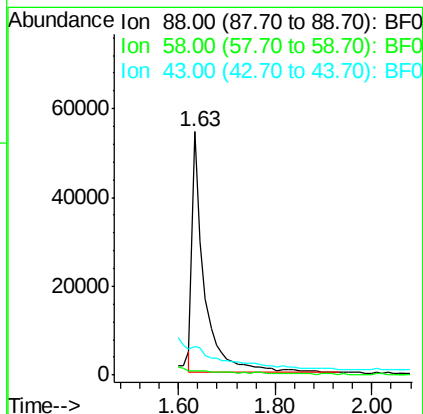
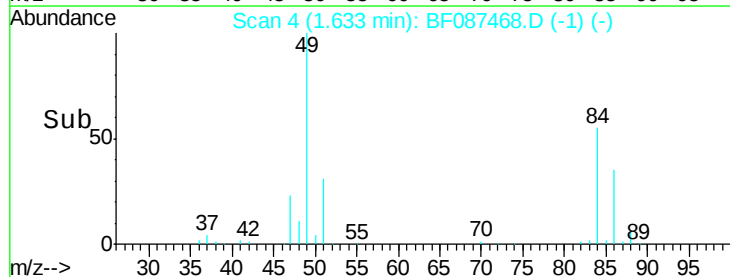
43 0.0 21.8 32.6#

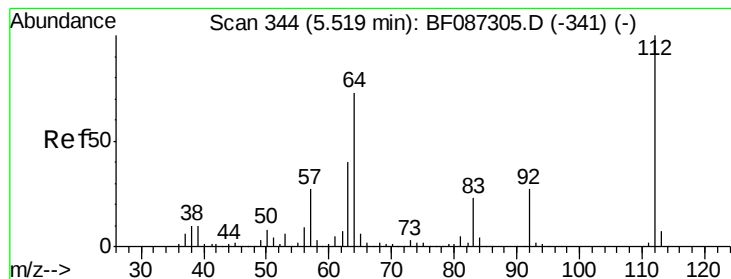


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 120.71 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

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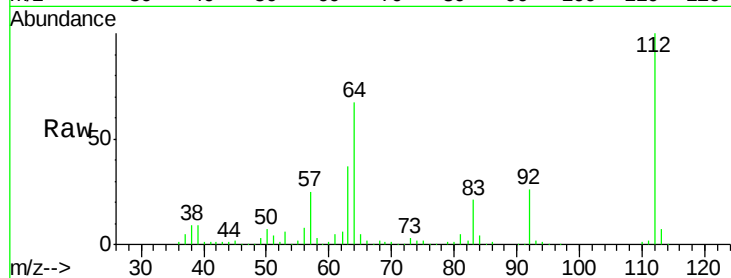
Tgt Ion: 112 Resp: 701002

Ion Ratio Lower Upper

112 100

64 67.2 52.1 78.1

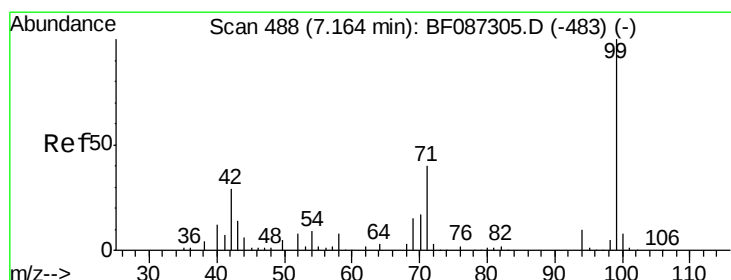
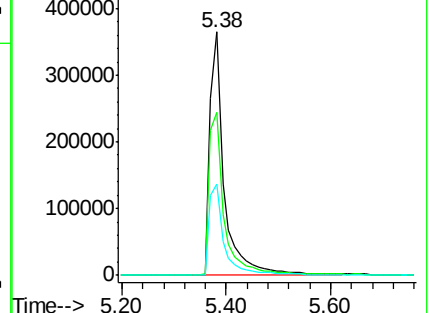
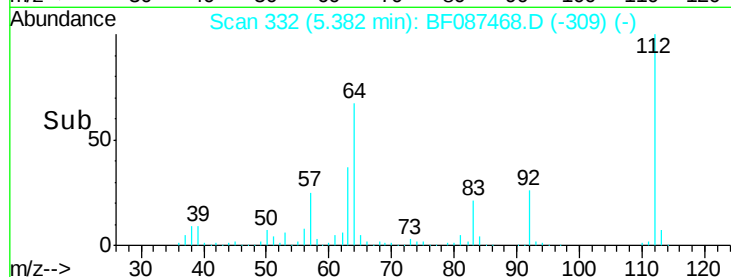
63 37.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 121.72 ng

RT: 7.04 min Scan# 477

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

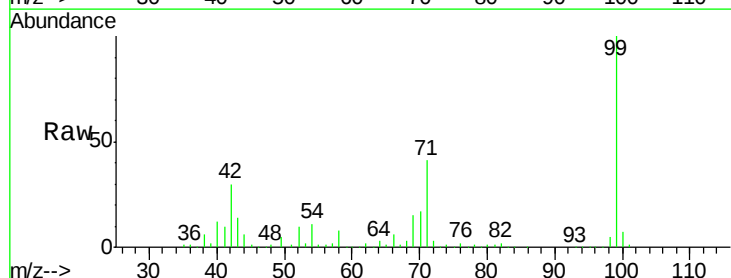
Tgt Ion: 99 Resp: 955136

Ion Ratio Lower Upper

99 100

42 29.8 13.6 20.4#

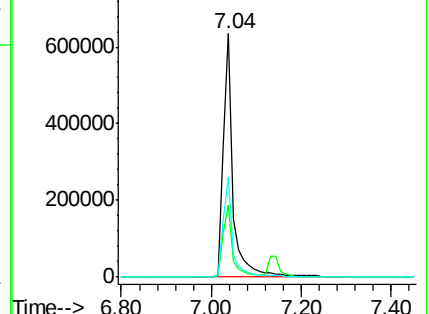
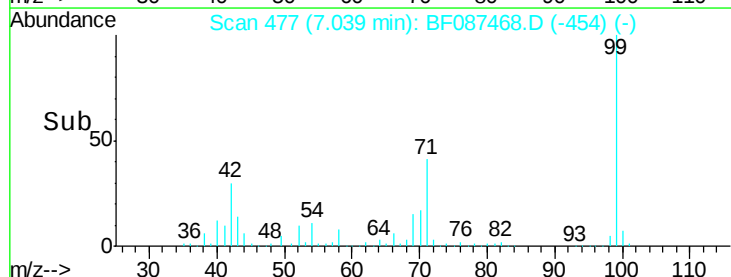
71 41.1 24.6 36.8#

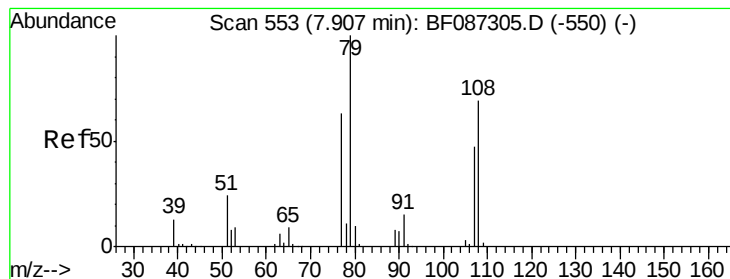


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 7.71 min Scan# 536

Delta R.T. -0.10 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

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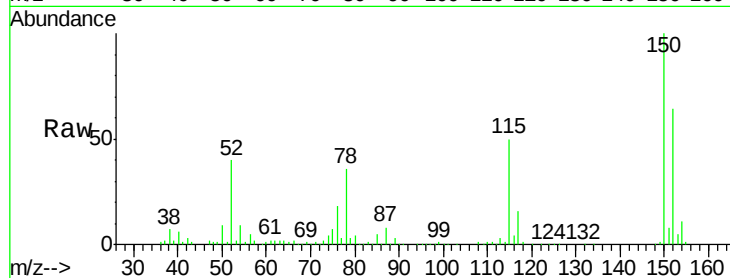
Tgt Ion: 79 Resp: 12576

Ion Ratio Lower Upper

79 100

108 28.2 68.4 102.6#

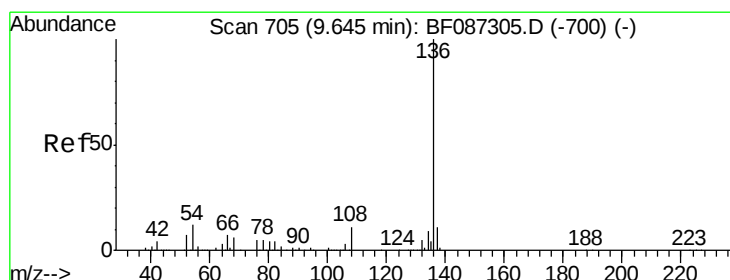
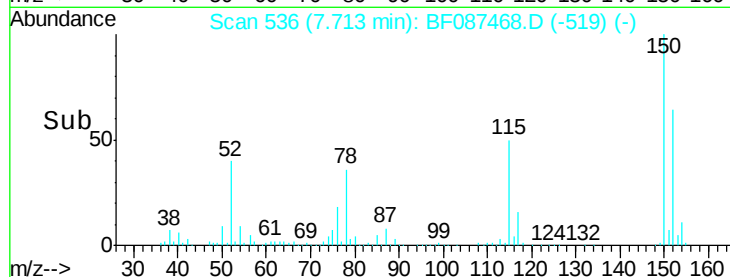
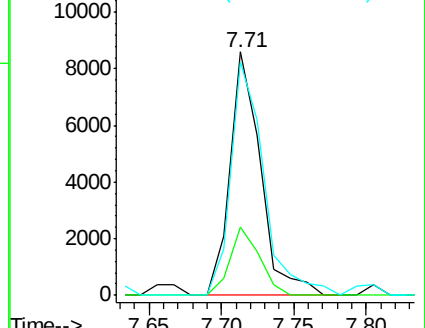
77 96.1 50.6 76.0#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.52 min Scan# 694

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Tgt Ion: 136 Resp: 403868

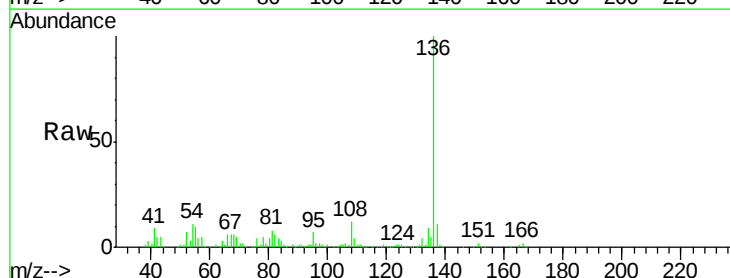
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 11.2 5.0 7.4#

68 6.4 4.4 6.6

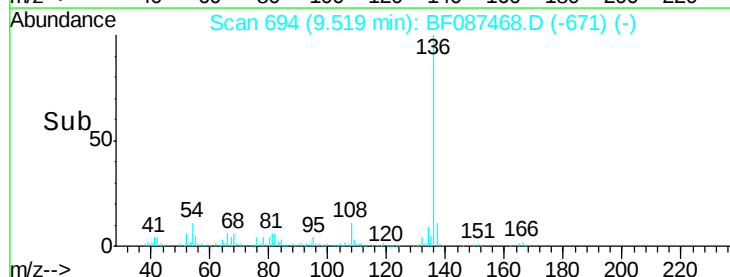
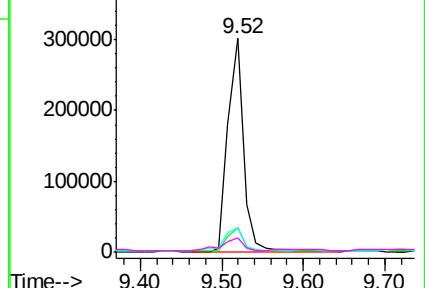


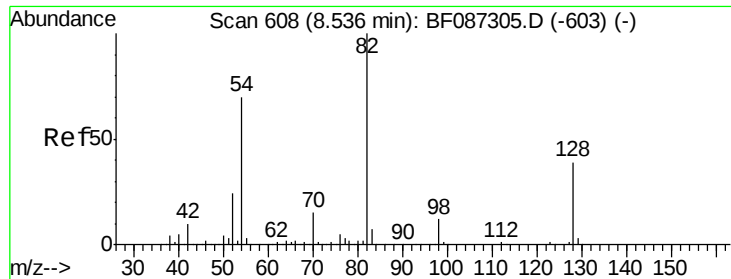
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

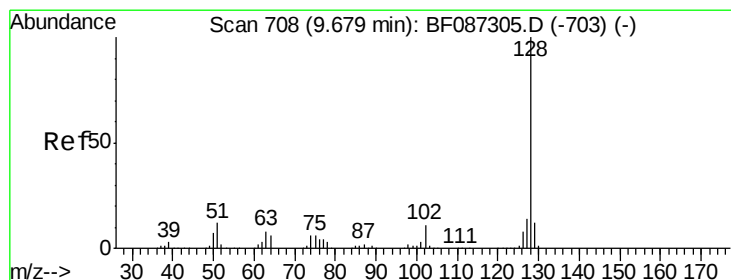
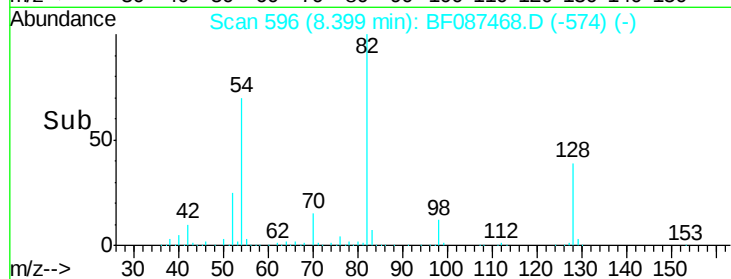
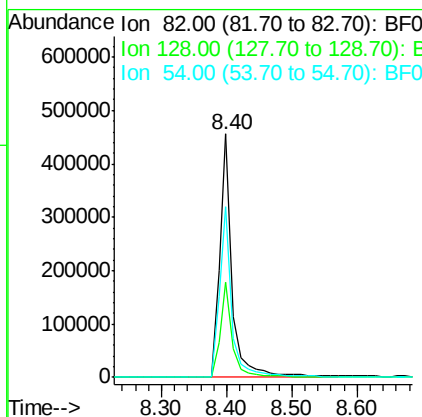
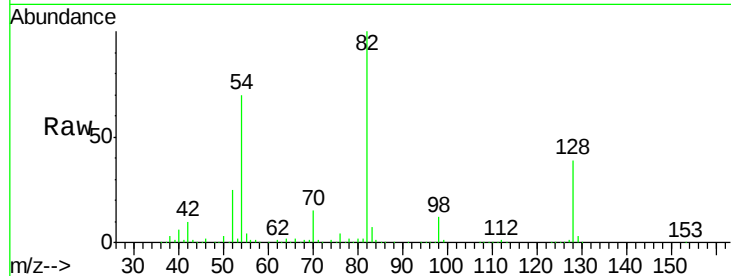




#23
 Nitrobenzene-d5
 Concen: 76.33 ng
 RT: 8.40 min Scan# 596
 Delta R.T. -0.05 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

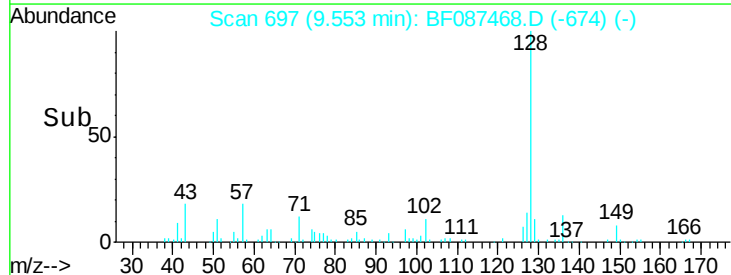
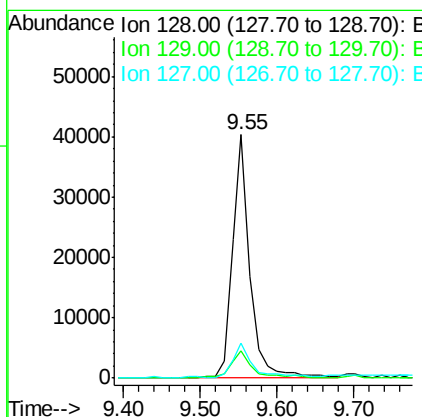
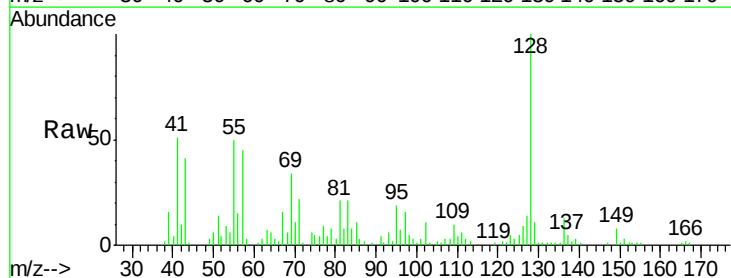
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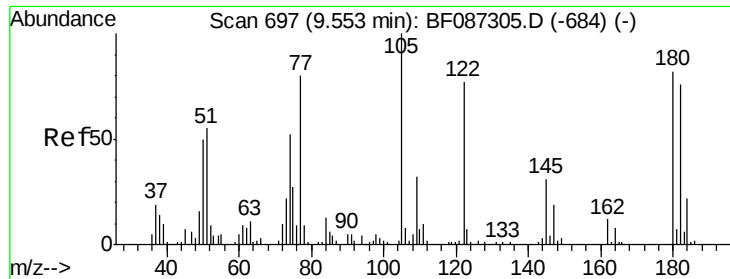
Tgt Ion: 82 Resp: 611673
 Ion Ratio Lower Upper
 82 100
 128 38.9 40.6 61.0#
 54 70.0 38.1 57.1#



#31
 Naphthalene
 Concen: 3.25 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.03 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Tgt Ion: 128 Resp: 65689
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 13.0
 127 14.2 10.8 16.2

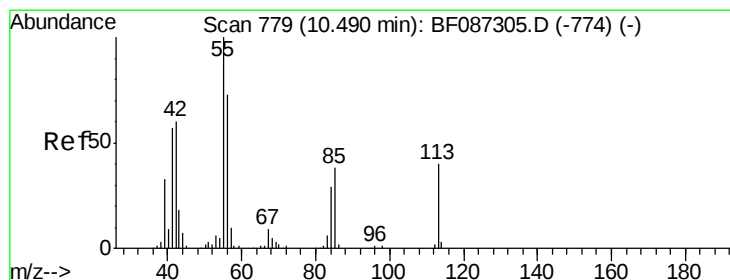
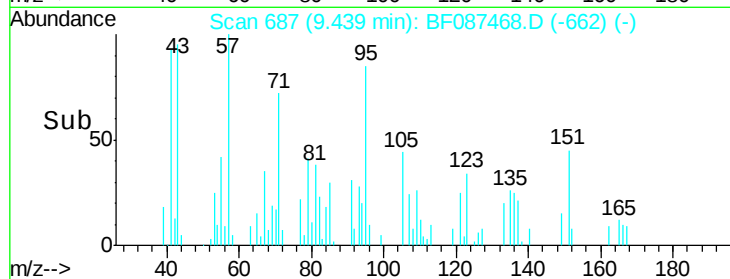
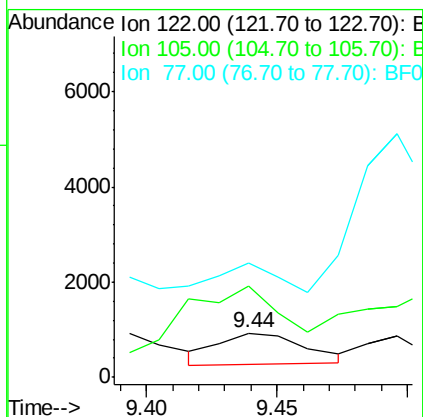
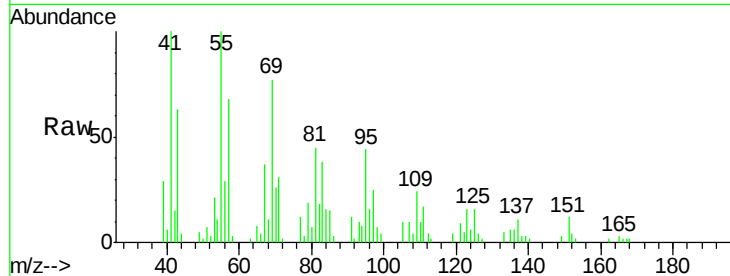




#32
Benzoic acid
Concen: 6.25 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

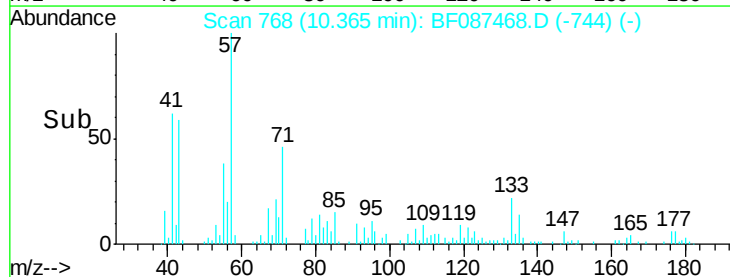
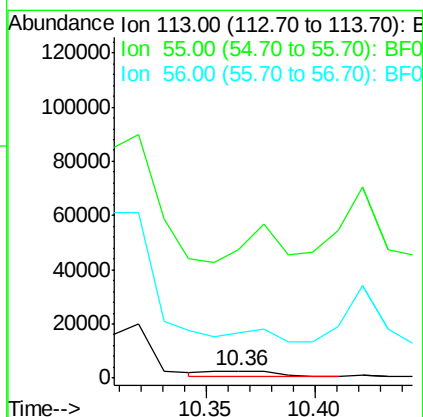
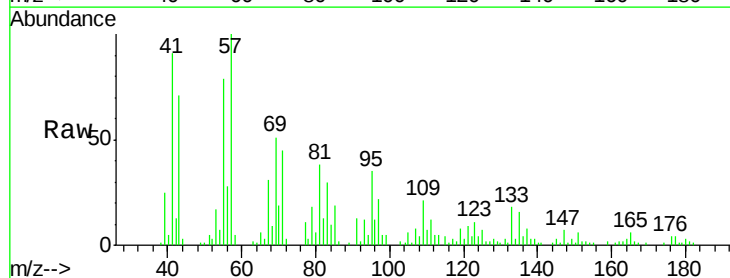
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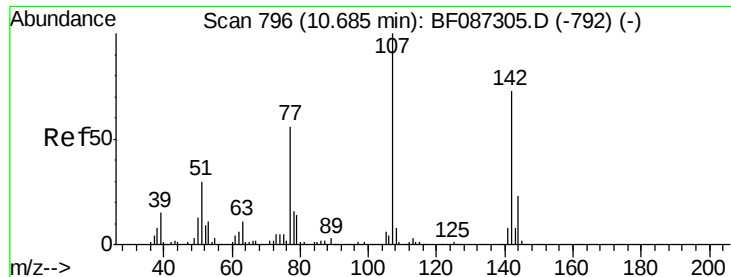
Tgt Ion:122 Resp: 1500
Ion Ratio Lower Upper
122 100
105 206.5 92.6 132.6#
77 257.5 60.0 100.0#



#35
Caprolactam
Concen: 2.42 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.02 min
Lab File: BF087468.D
Acq: 28 May 2016 5:29

Tgt Ion:113 Resp: 3818
Ion Ratio Lower Upper
113 100
55 1737.9 162.0 202.0#
56 614.5 115.3 155.3#

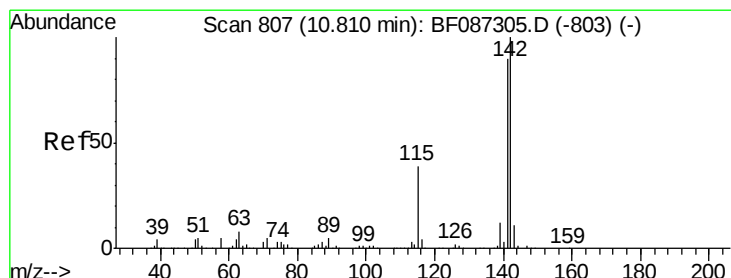
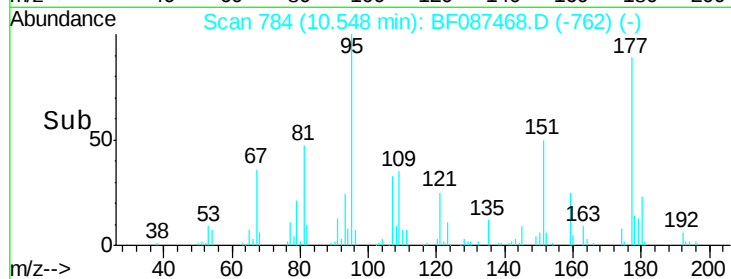
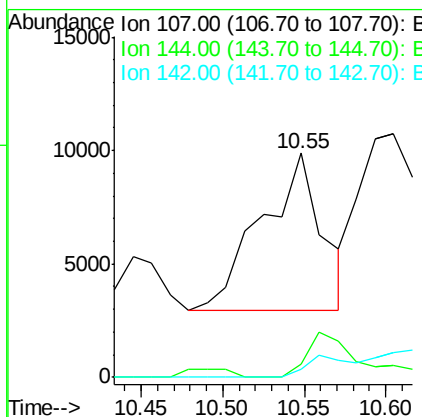
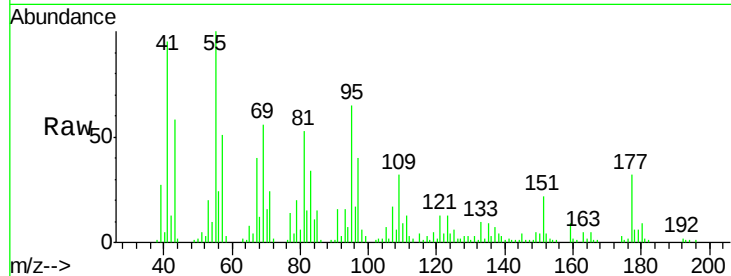




#36
 4-Chloro-3-methylphenol
 Concen: 2.91 ng
 RT: 10.55 min Scan# 784
 Delta R.T. -0.05 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

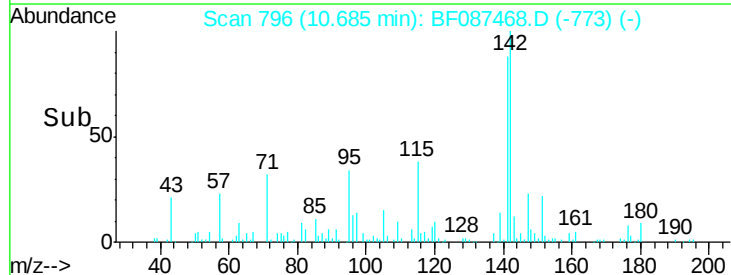
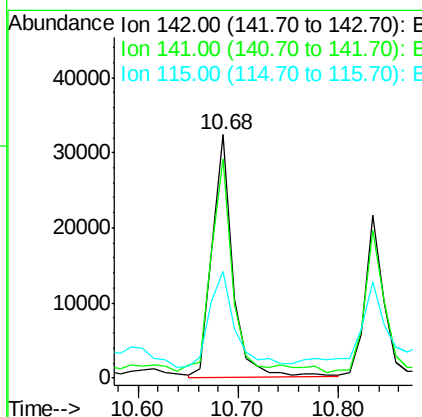
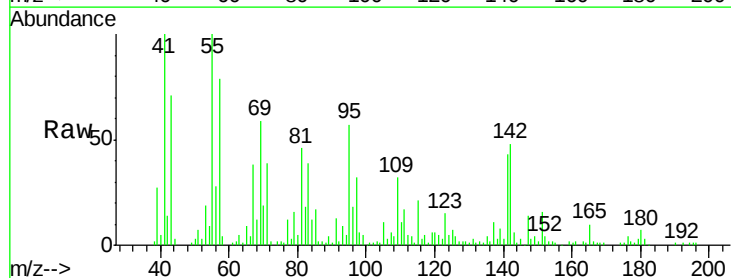
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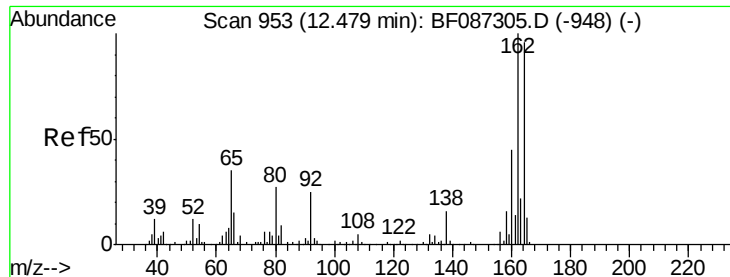
Tgt Ion:107 Resp: 17815
 Ion Ratio Lower Upper
 107 100
 144 5.8 20.7 31.1#
 142 3.5 63.2 94.8#



#37
 2-Methylnaphthalene
 Concen: 3.58 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.03 min
 Lab File: BF087468.D
 Acq: 28 May 2016 5:29

Tgt Ion:142 Resp: 45272
 Ion Ratio Lower Upper
 142 100
 141 90.0 71.0 106.6
 115 44.0 26.6 39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

Instrument :

BNA_F

ClientSampleId :

CHS-STA-1699(0-4)

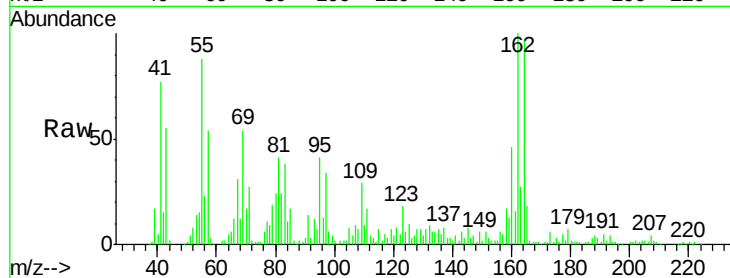
Tgt Ion:164 Resp: 166958

Ion Ratio Lower Upper

164 100

162 103.1 82.8 124.2

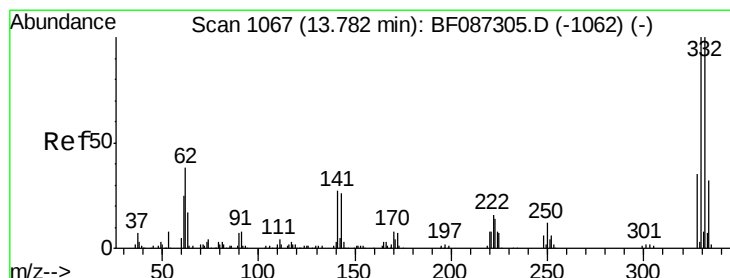
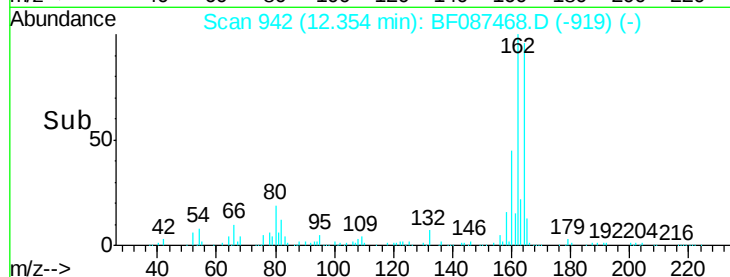
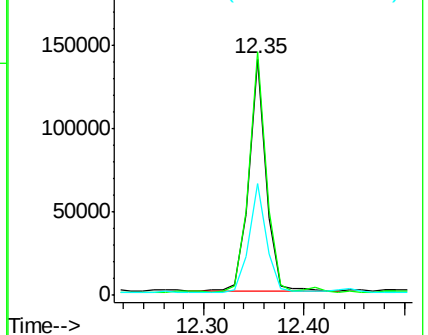
160 47.5 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 109.25 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF087468.D

Acq: 28 May 2016 5:29

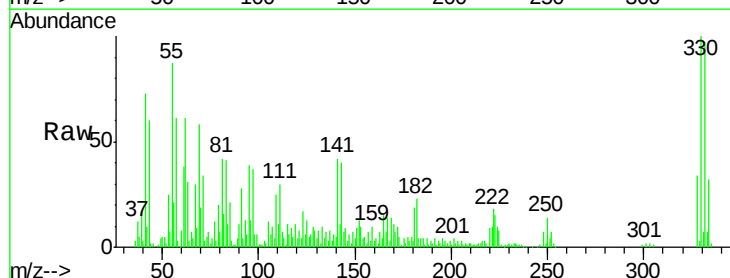
Tgt Ion:330 Resp: 175277

Ion Ratio Lower Upper

330 100

332 96.5 79.0 118.4

141 39.4 31.2 46.8



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

