

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052916\
 Data File : BF087556.D
 Acq On : 30 May 2016 18:12
 Operator : UM/SJ
 Sample : H3317-11
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-35

Quant Time: May 31 00:41:39 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	7.47	152	103784	20.00	ng	-0.05
21) Naphthalene-d8	9.51	136	417038	20.00	ng	-0.05
38) Acenaphthene-d10	12.33	164	254849	20.00	ng	-0.06
63) Phenanthrene-d10	14.74	188	341014	20.00	ng	-0.03
75) Chrysene-d12	18.46	240	237381	20.00	ng	-0.02
86) Perylene-d12	20.15	264	201957	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	379301	64.22	ng	-0.01
7) Phenol-d6	7.07	99	323670	40.56	ng	0.00
23) Nitrobenzene-d5	8.40	82	802592	96.99	ng	-0.05
41) 2,4,6-Tribromophenol	13.65	330	258123	105.40	ng	-0.03
44) 2-Fluorobiphenyl	11.28	172	1260096	69.71	ng	-0.06
78) Terphenyl-d14	17.10	244	936393	83.86	ng	-0.03

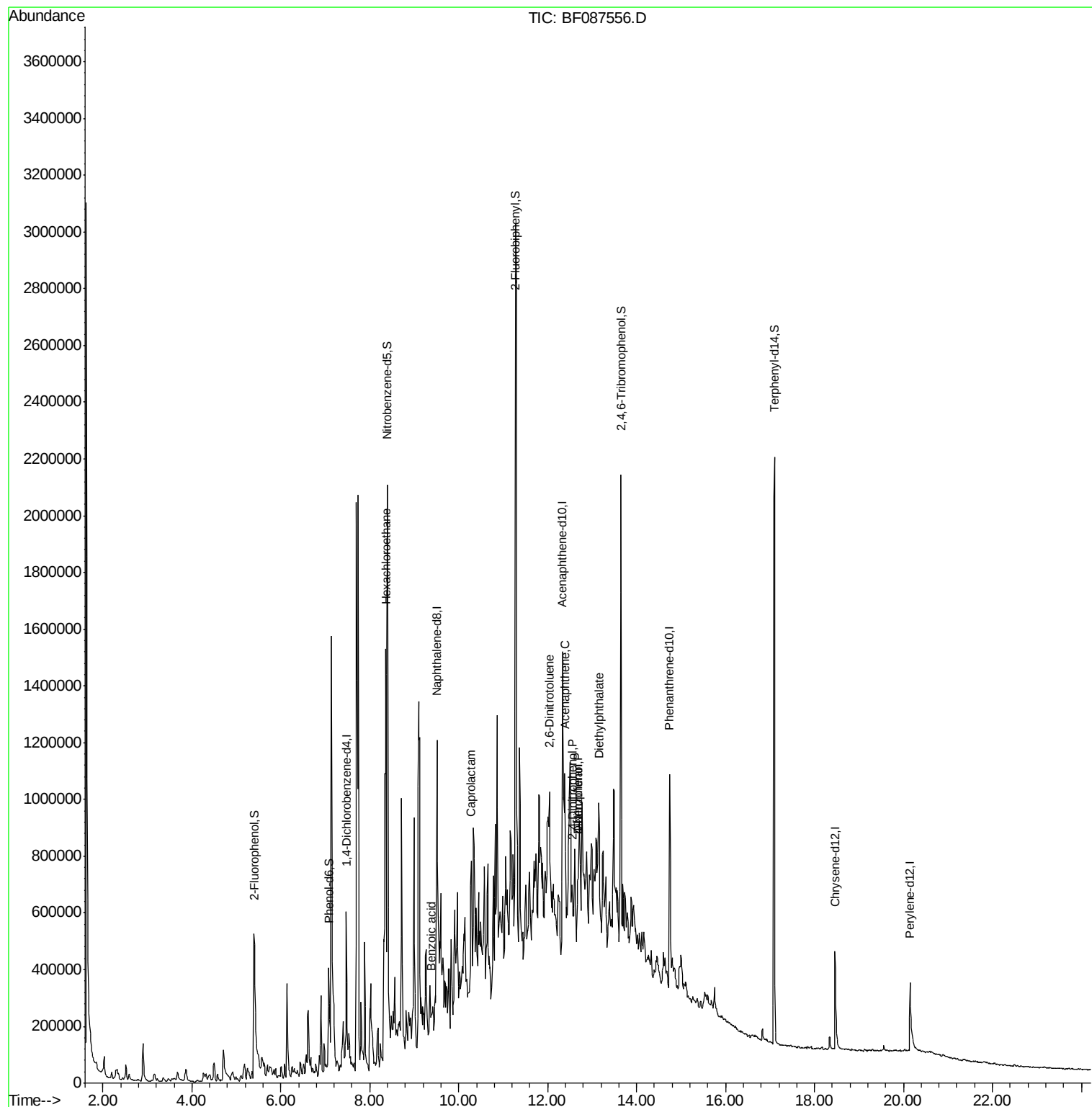
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	8.36	117	729632	237.13	ng	# 7
32) Benzoic acid	9.38	122	14146	9.72	ng	# 52
35) Caprolactam	10.28	113	6895	4.23	ng	# 1
50) 2,6-Dinitrotoluene	12.05	165	15483	3.76	ng	# 1
51) Acenaphthene	12.39	154	47398	2.97	ng	96
53) 2,4-Dinitrophenol	12.55	184	2049	7.44	ng	# 1
54) Dibenzofuran	12.69	168	69710	3.22	ng	91
55) 4-Nitrophenol	12.69	139	30134	14.96	ng	# 50
59) Diethylphthalate	13.15	149	49793	2.51	ng	# 54

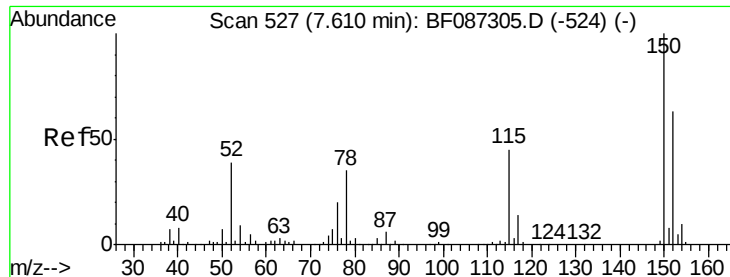
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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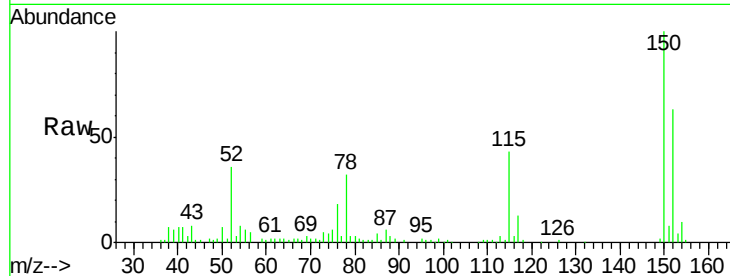




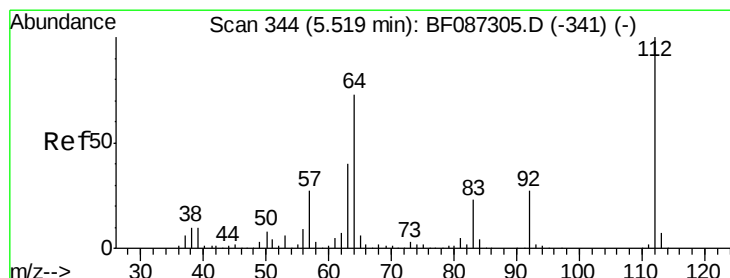
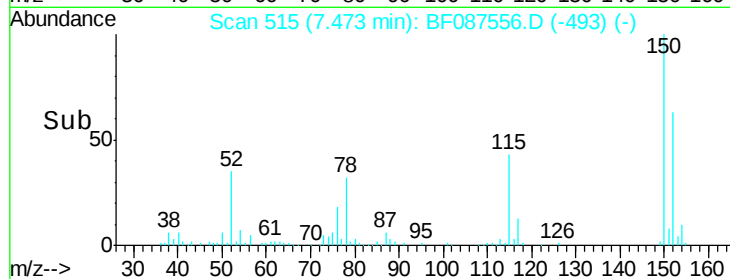
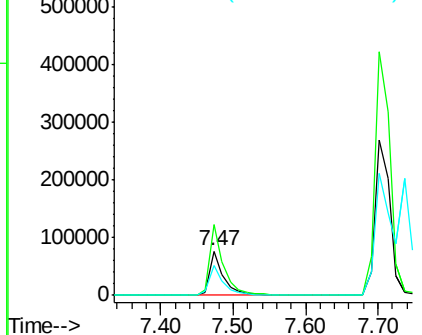
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.47 min Scan# 515
 Delta R.T. -0.05 min
 Lab File: BF087556.D
 Acq: 30 May 2016 18:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-35

Tgt Ion:152 Resp: 103784
 Ion Ratio Lower Upper
 152 100
 150 159.3 125.8 188.6
 115 68.3 51.5 77.3

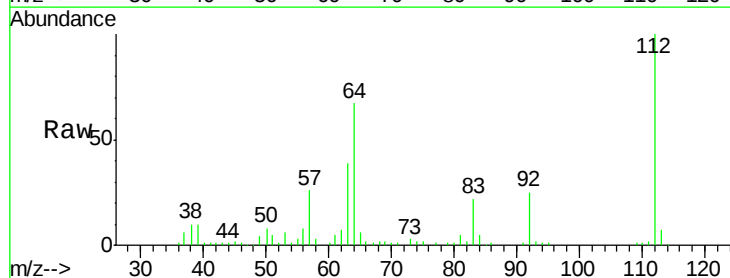


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

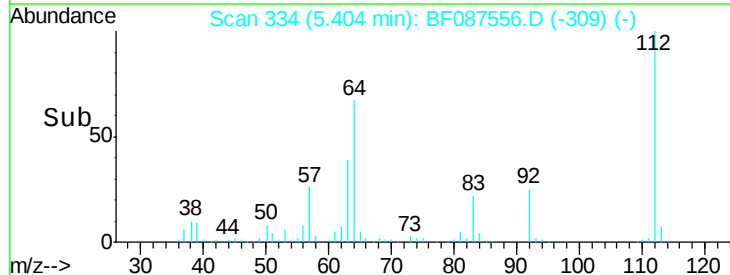
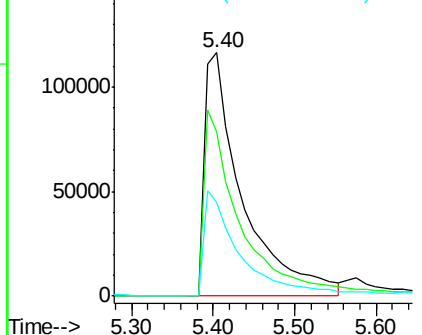


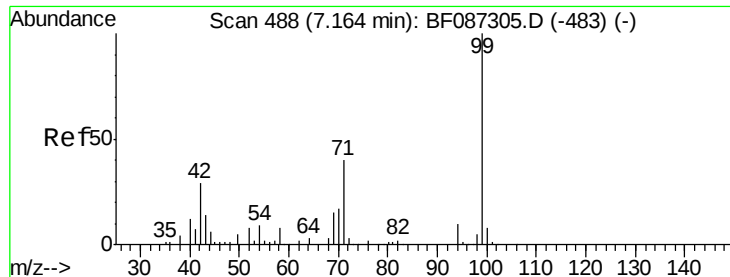
#5
 2-Fluorophenol
 Concen: 64.22 ng
 RT: 5.40 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: BF087556.D
 Acq: 30 May 2016 18:12

Tgt Ion:112 Resp: 379301
 Ion Ratio Lower Upper
 112 100
 64 67.4 52.1 78.1
 63 38.7 25.7 38.5#



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





#7

Phenol-d6

Concen: 40.56 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.00 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

Instrument :

BNA_F

ClientSampled :

MW-35

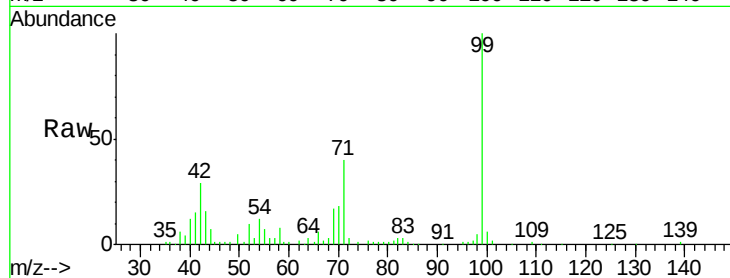
Tgt Ion: 99 Resp: 323670

Ion Ratio Lower Upper

99 100

42 29.4 13.6 20.4#

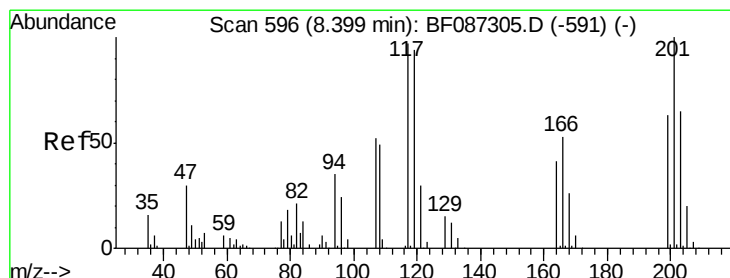
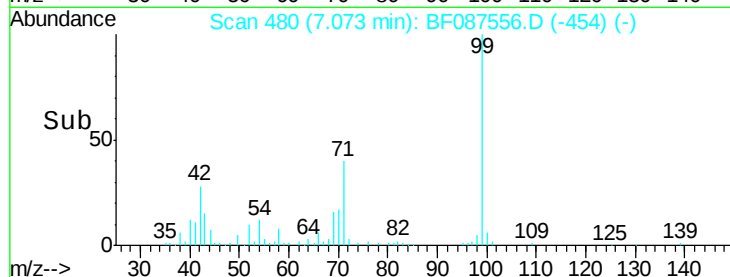
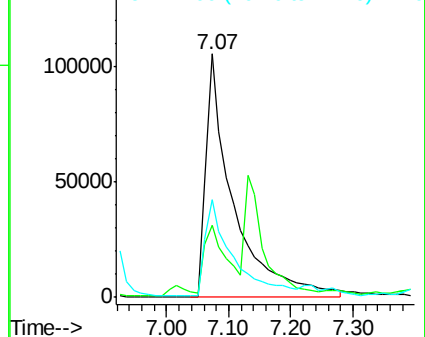
71 40.2 24.6 36.8#



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



#18

Hexachloroethane

Concen: 237.13 ng

RT: 8.36 min Scan# 593

Delta R.T. 0.07 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

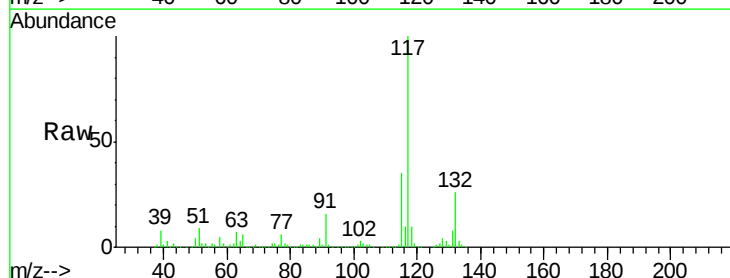
Tgt Ion: 117 Resp: 729632

Ion Ratio Lower Upper

117 100

119 2.3 76.5 114.7#

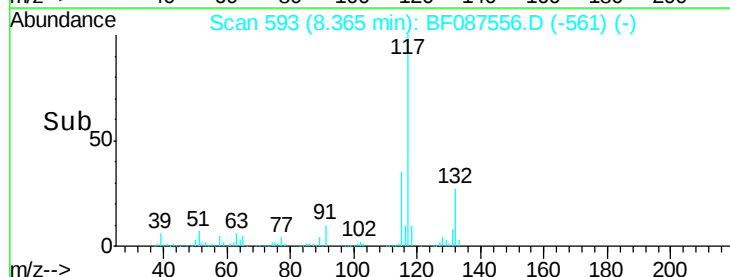
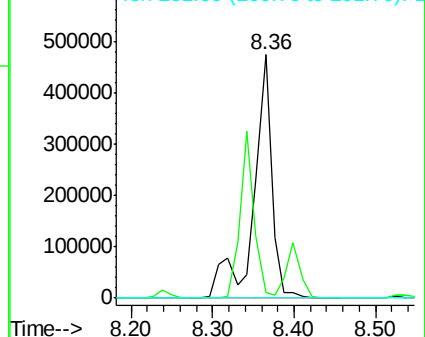
201 0.0 63.0 94.6#

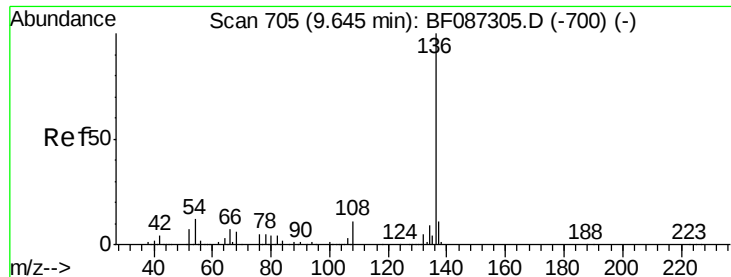


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.51 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

Instrument :

BNA_F

ClientSampleId :

MW-35

Tgt Ion:136 Resp: 417038

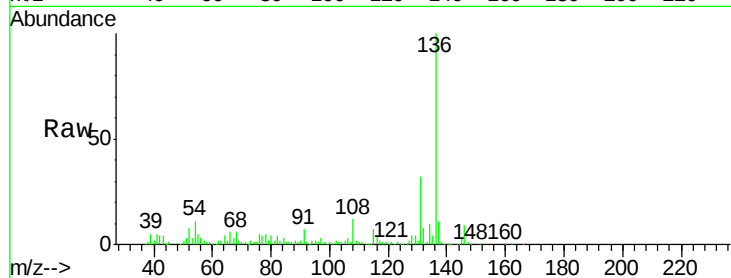
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 11.1 5.0 7.4#

68 5.7 4.4 6.6

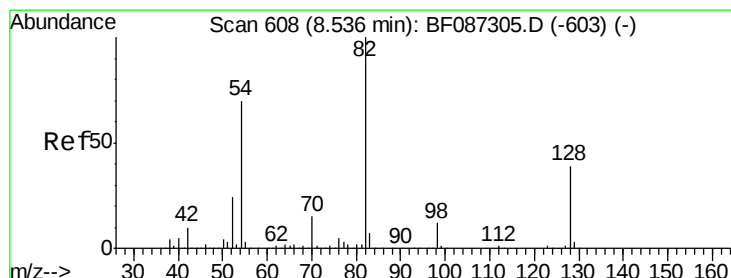
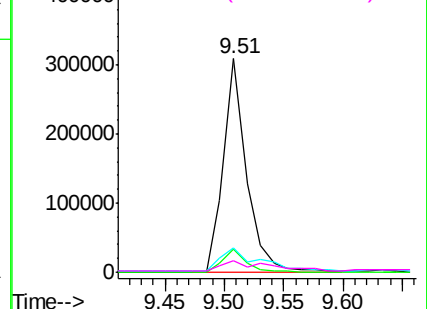
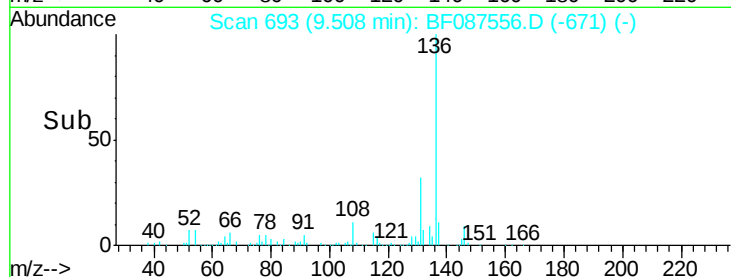


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 96.99 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.05 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

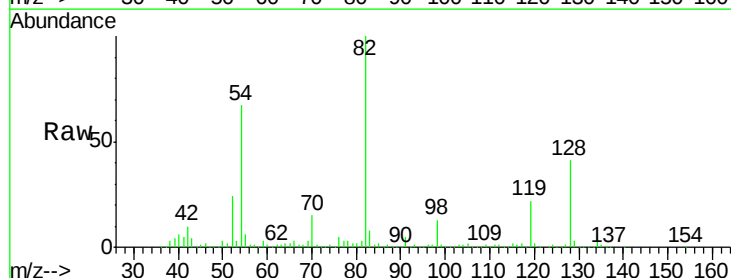
Tgt Ion: 82 Resp: 802592

Ion Ratio Lower Upper

82 100

128 41.4 40.6 61.0

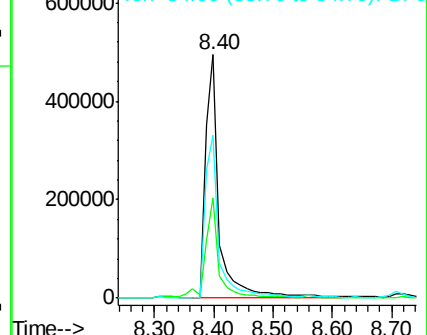
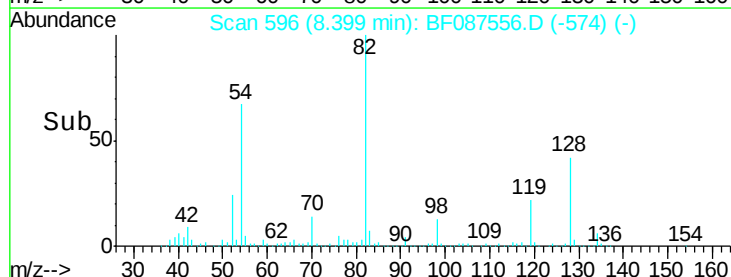
54 67.0 38.1 57.1#

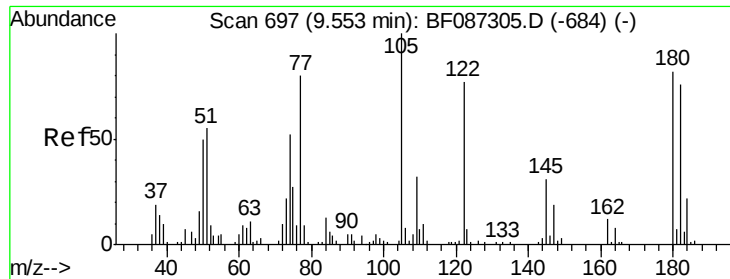


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 9.72 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.07 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

Instrument :

BNA_F

ClientSampled :

MW-35

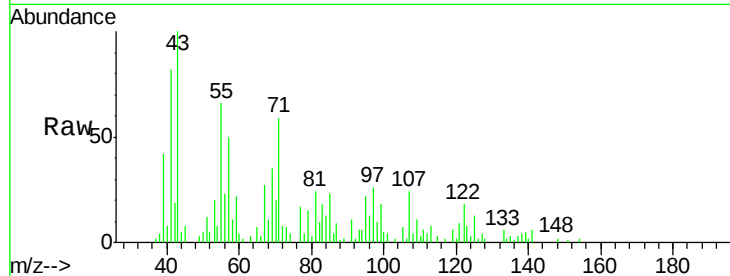
Tgt Ion:122 Resp: 14146

Ion Ratio Lower Upper

122 100

105 37.4 92.6 132.6#

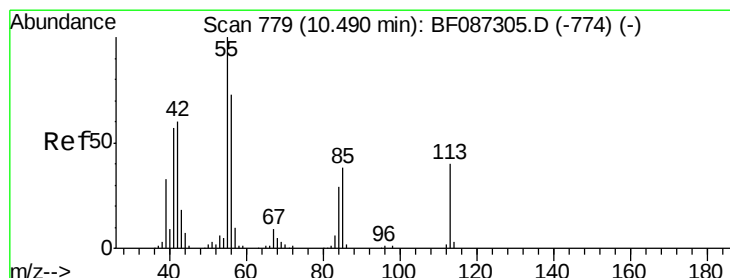
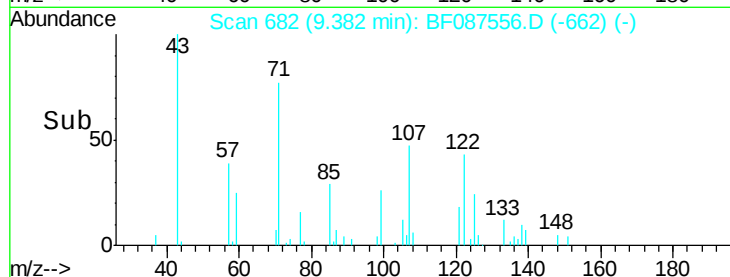
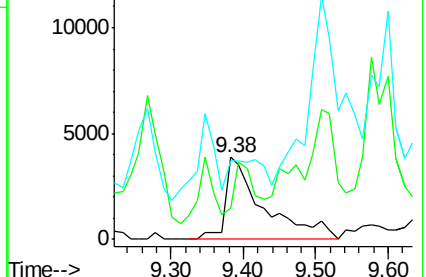
77 95.2 60.0 100.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#35

Caprolactam

Concen: 4.23 ng

RT: 10.28 min Scan# 761

Delta R.T. -0.10 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

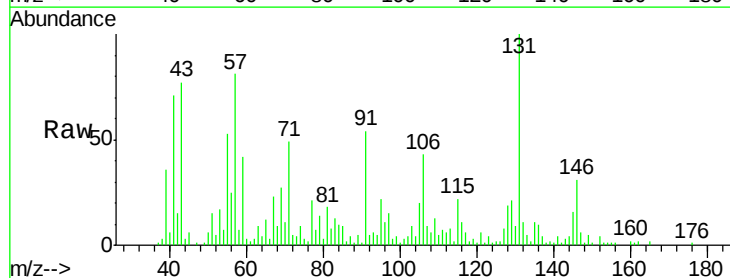
Tgt Ion:113 Resp: 6895

Ion Ratio Lower Upper

113 100

55 673.7 162.0 202.0#

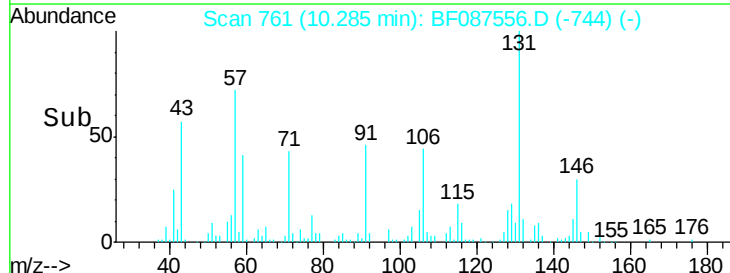
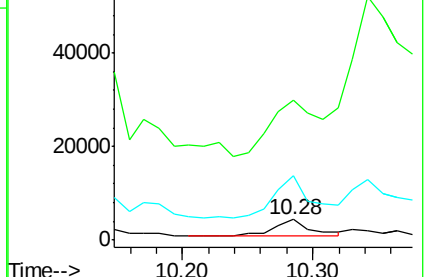
56 313.0 115.3 155.3#

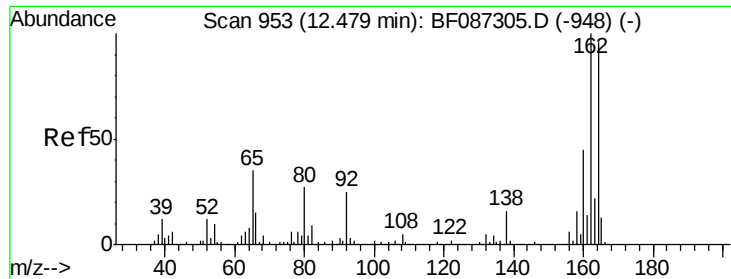


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0

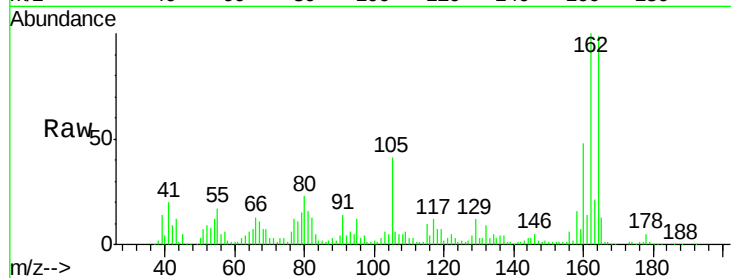




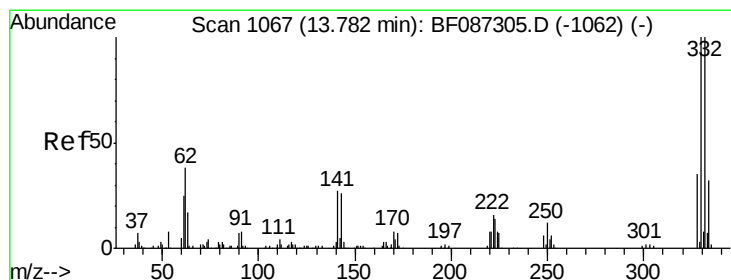
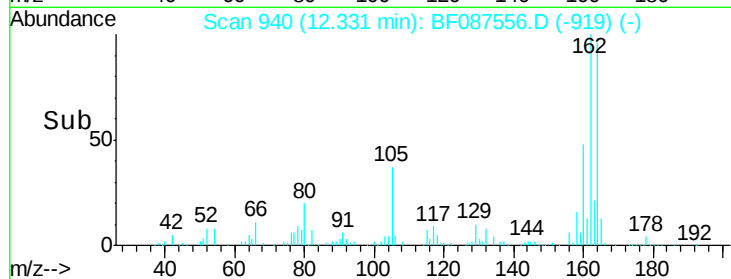
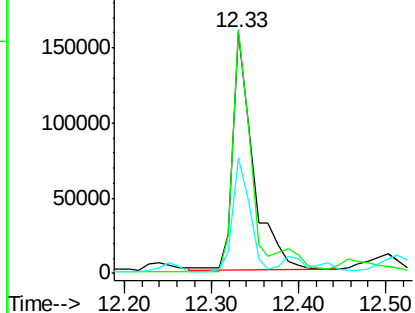
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.33 min Scan# 940
 Delta R.T. -0.06 min
 Lab File: BF087556.D
 Acq: 30 May 2016 18:12

Instrument :
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 MW-35

Tgt Ion:164 Resp: 254849
 Ion Ratio Lower Upper
 164 100
 162 101.2 82.8 124.2
 160 48.3 36.9 55.3

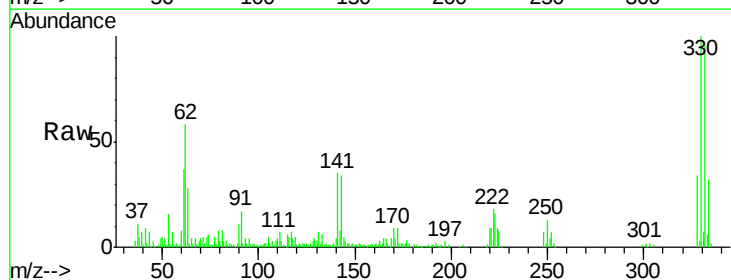


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

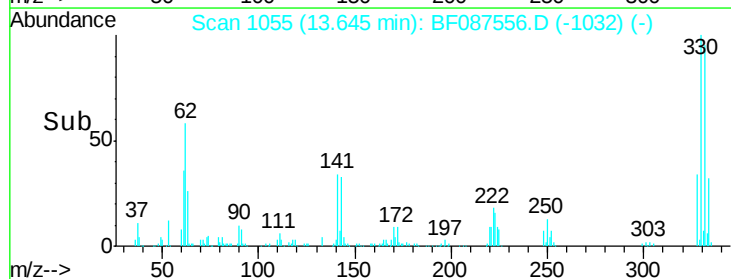
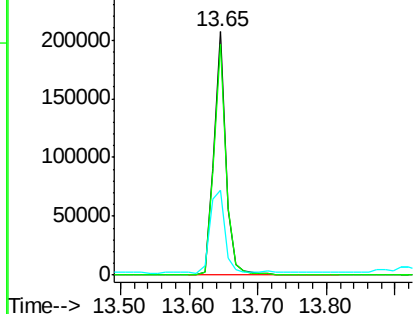


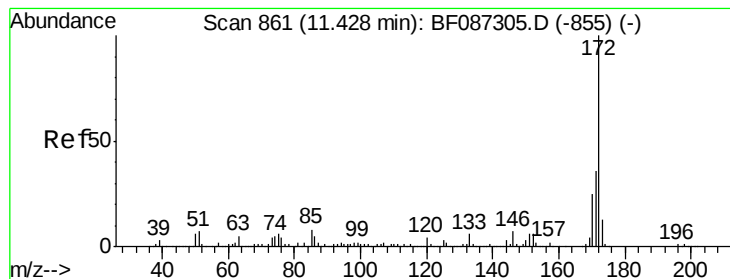
#41
 2,4,6-Tribromophenol
 Concen: 105.40 ng
 RT: 13.65 min Scan# 1055
 Delta R.T. -0.03 min
 Lab File: BF087556.D
 Acq: 30 May 2016 18:12

Tgt Ion:330 Resp: 258123
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.0 118.4
 141 40.9 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





#44

2-Fluorobiphenyl

Concen: 69.71 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.06 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

Instrument :

BNA_F

ClientSampleId :

MW-35

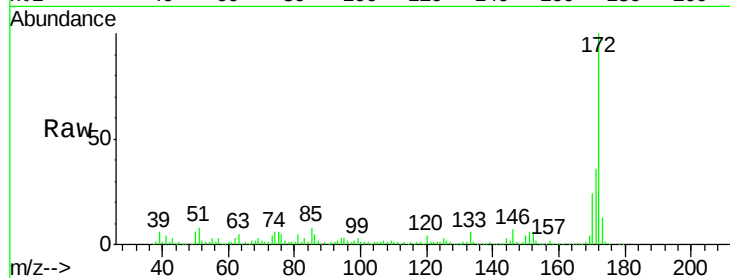
Tgt Ion:172 Resp: 1260096

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

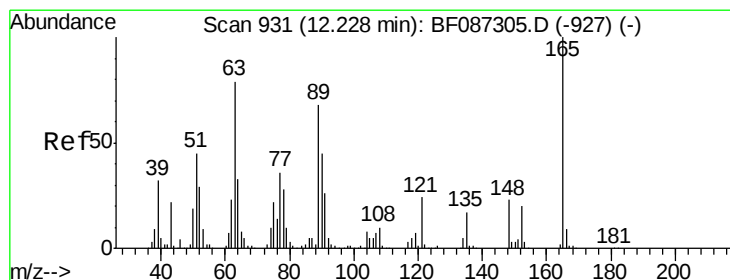
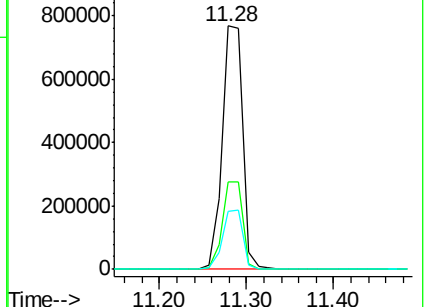
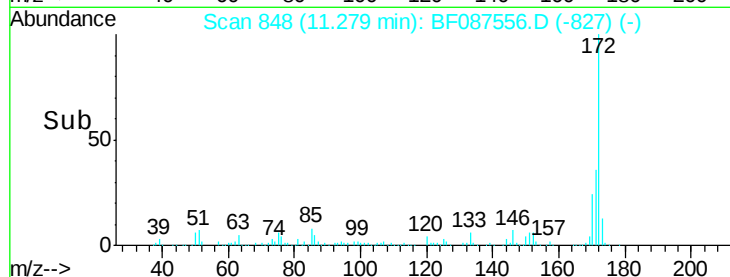
170 24.0 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 3.76 ng

RT: 12.05 min Scan# 915

Delta R.T. -0.09 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

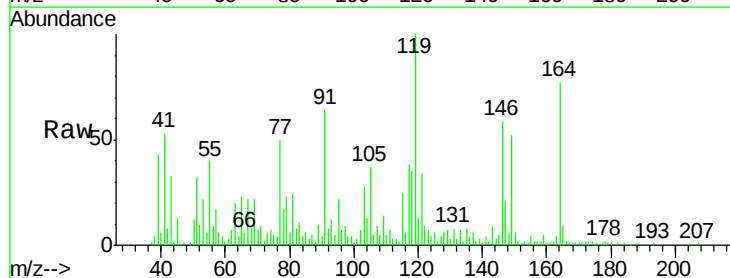
Tgt Ion:165 Resp: 15483

Ion Ratio Lower Upper

165 100

63 223.0 51.8 77.8#

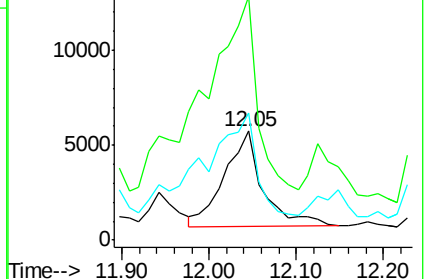
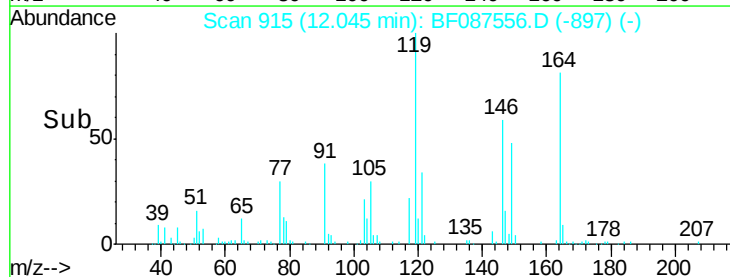
89 115.9 50.7 76.1#

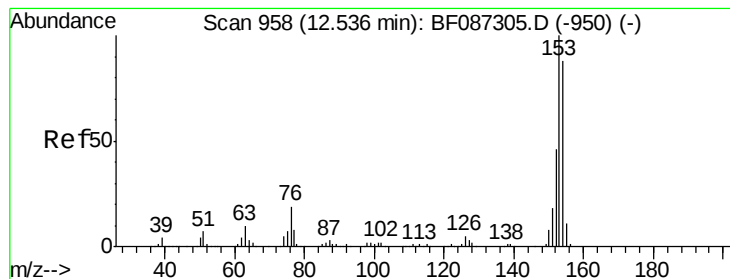


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 2.97 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.05 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

Instrument :

BNA_F

ClientSampleId :

MW-35

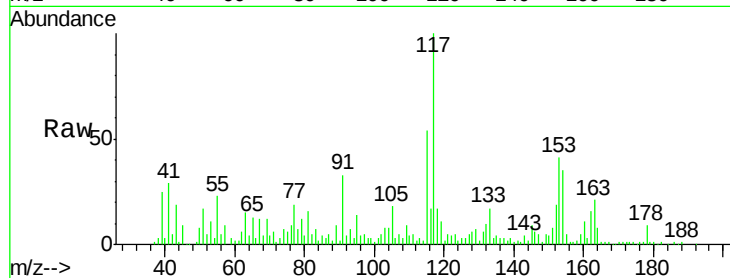
Tgt Ion:154 Resp: 47398

Ion Ratio Lower Upper

154 100

153 117.8 89.8 134.6

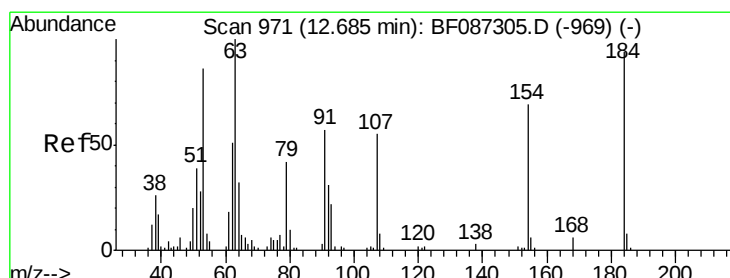
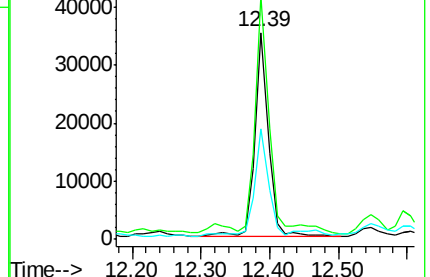
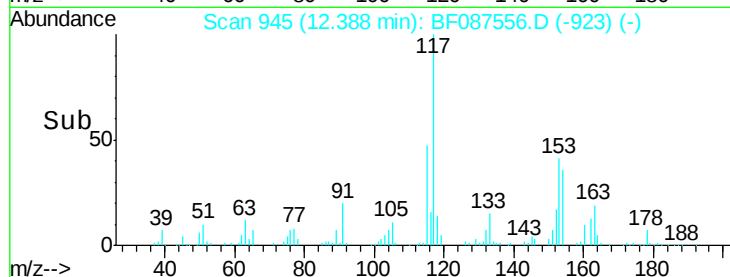
152 53.3 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 7.44 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.05 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

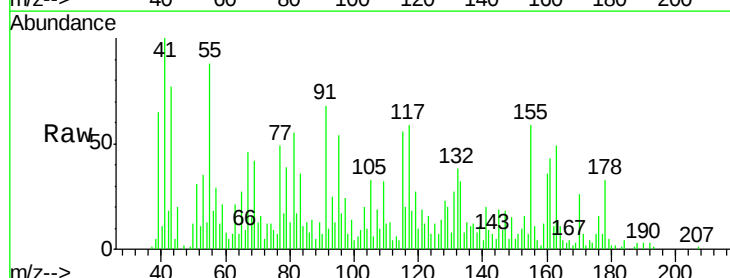
Tgt Ion:184 Resp: 2049

Ion Ratio Lower Upper

184 100

63 562.4 55.8 83.8#

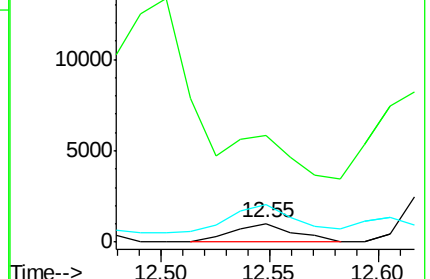
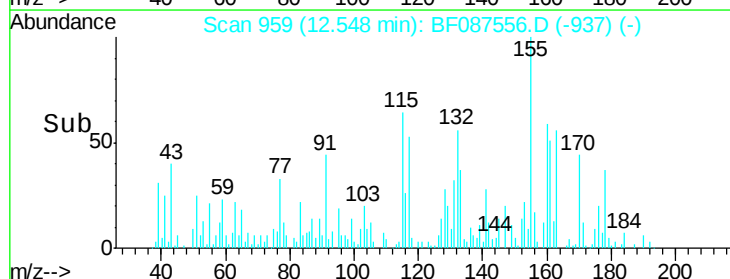
154 195.8 62.4 93.6#

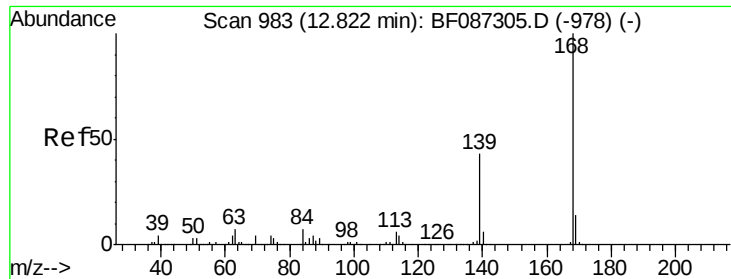


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

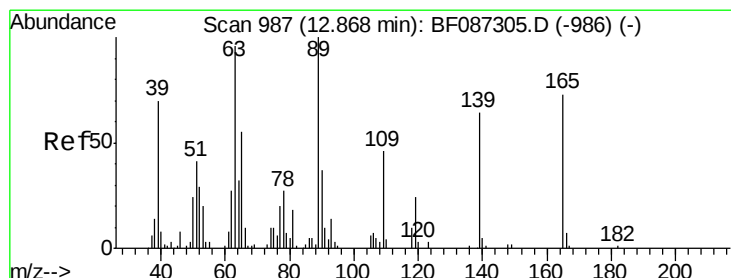
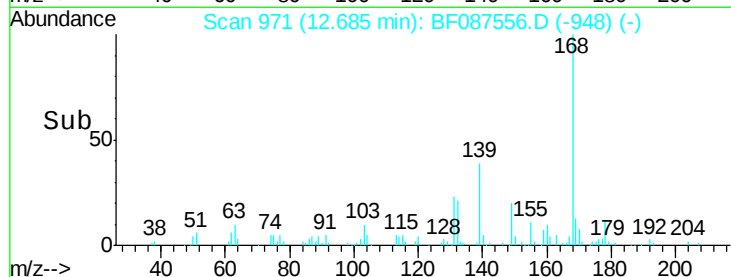
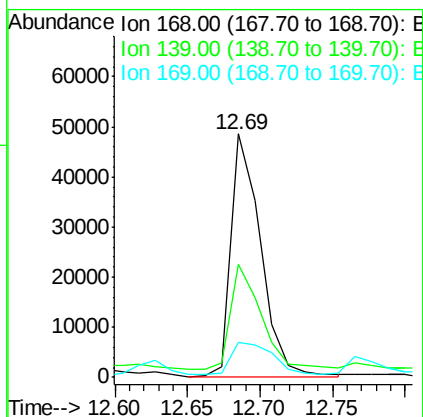
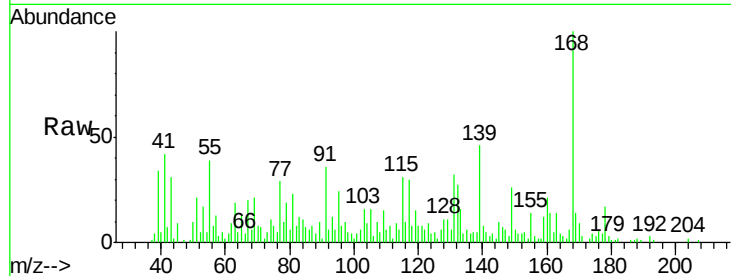




#54
Dibenzofuran
Concen: 3.22 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.03 min
Lab File: BF087556.D
Acq: 30 May 2016 18:12

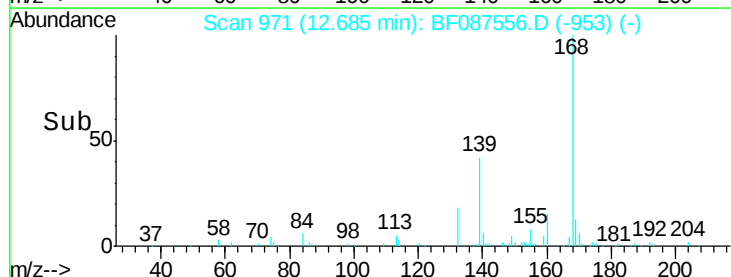
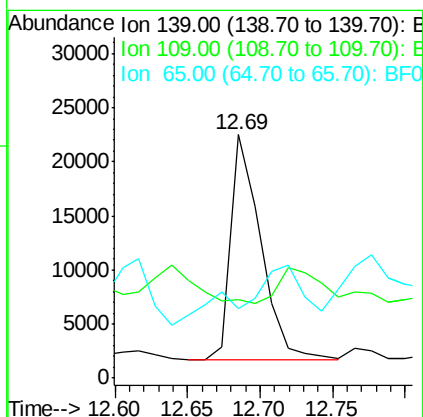
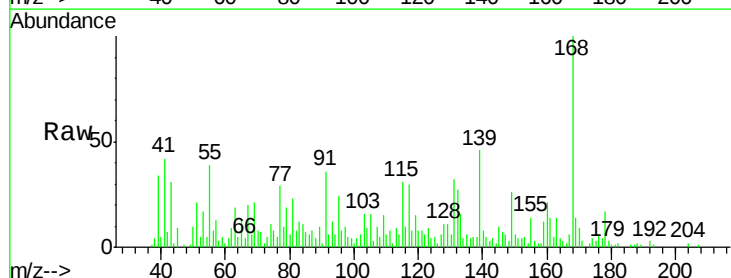
Instrument :
BNA_F
ClientSampled :
MW-35

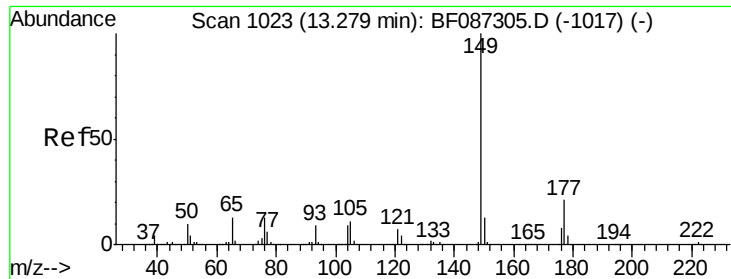
Tgt Ion:168 Resp: 69710
Ion Ratio Lower Upper
168 100
139 46.3 31.4 47.0
169 14.2 10.7 16.1



#55
4-Nitrophenol
Concen: 14.96 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.09 min
Lab File: BF087556.D
Acq: 30 May 2016 18:12

Tgt Ion:139 Resp: 30134
Ion Ratio Lower Upper
139 100
109 32.2 36.9 76.9#
65 28.7 64.0 104.0#

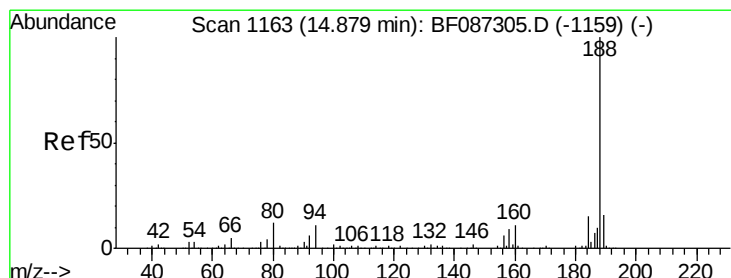
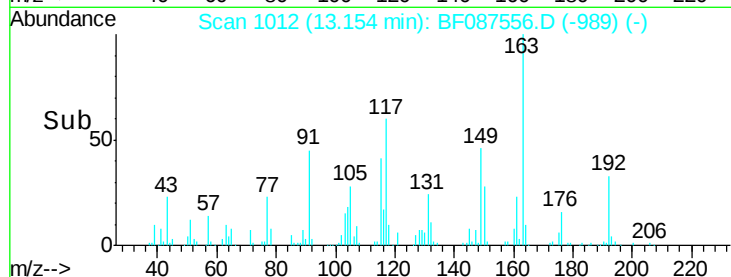
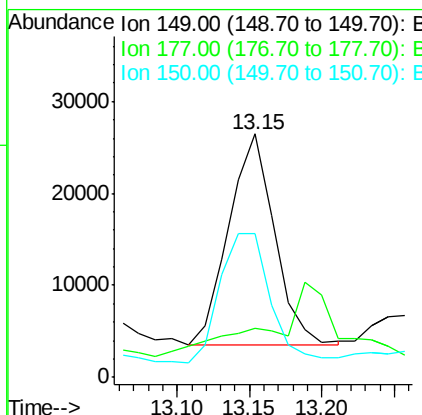
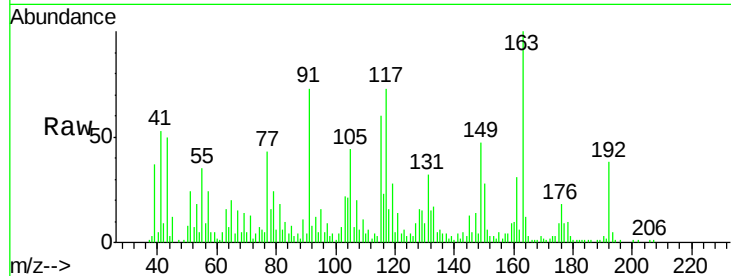




#59
Diethylphthalate
Concen: 2.51 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BF087556.D
Acq: 30 May 2016 18:12

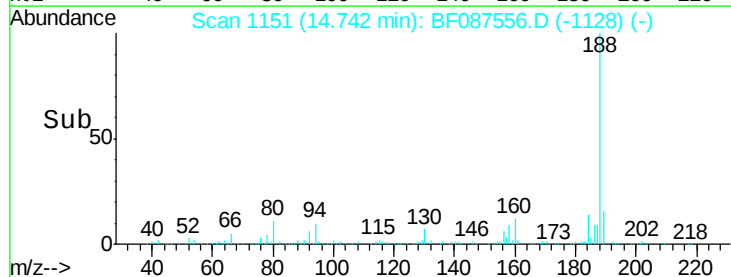
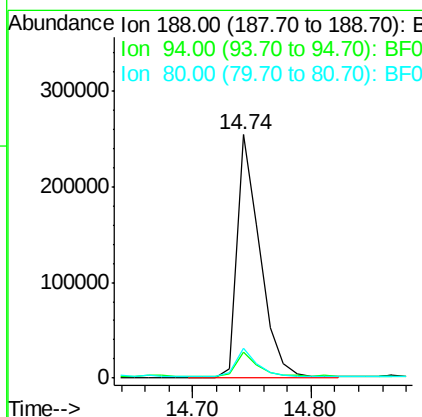
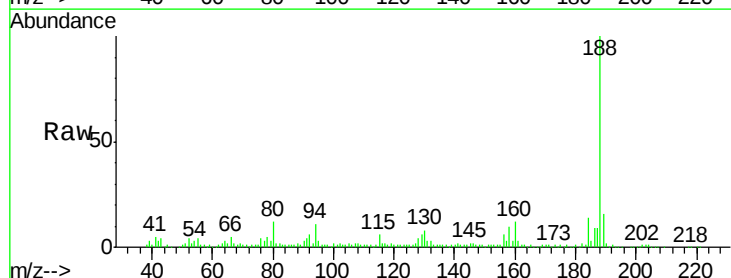
Instrument :
BNA_F
ClientSampleId :
MW-35

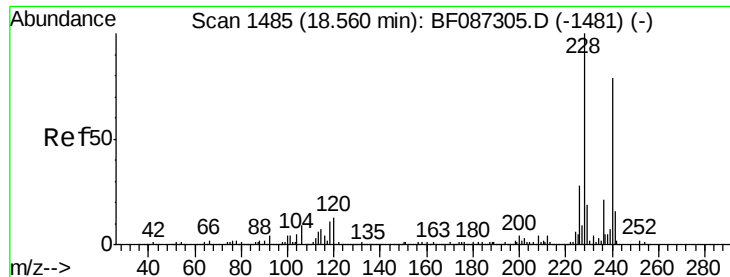
Tgt Ion:149 Resp: 49793
Ion Ratio Lower Upper
149 100
177 20.0 16.6 24.8
150 59.1 10.0 15.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF087556.D
Acq: 30 May 2016 18:12

Tgt Ion:188 Resp: 341014
Ion Ratio Lower Upper
188 100
94 10.7 6.8 10.2#
80 12.0 7.1 10.7#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.46 min Scan# 1476

Delta R.T. -0.02 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

Instrument :

BNA_F

ClientSampleId :

MW-35

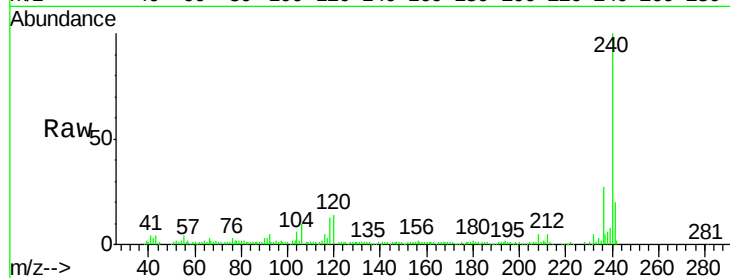
Tgt Ion:240 Resp: 237381

Ion Ratio Lower Upper

240 100

120 14.1 11.2 16.8

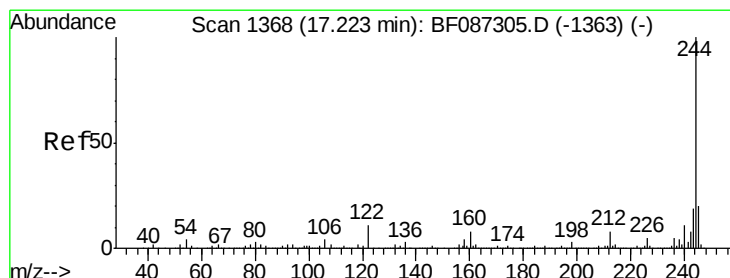
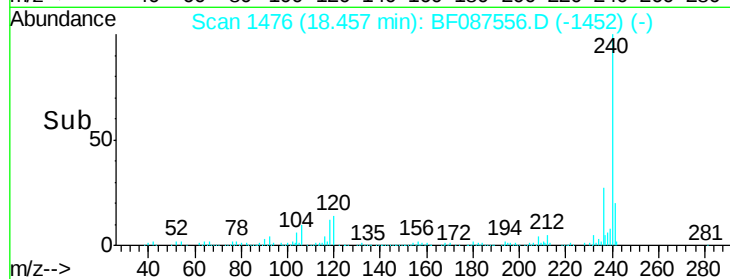
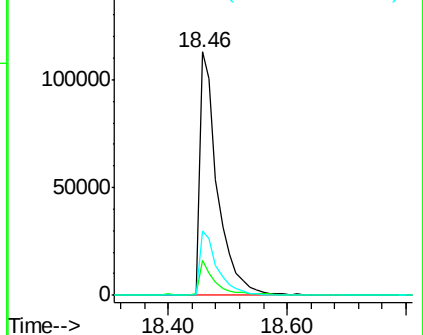
236 26.7 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 83.86 ng

RT: 17.10 min Scan# 1357

Delta R.T. -0.03 min

Lab File: BF087556.D

Acq: 30 May 2016 18:12

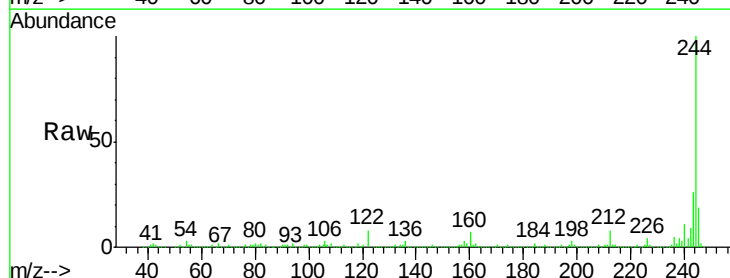
Tgt Ion:244 Resp: 936393

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

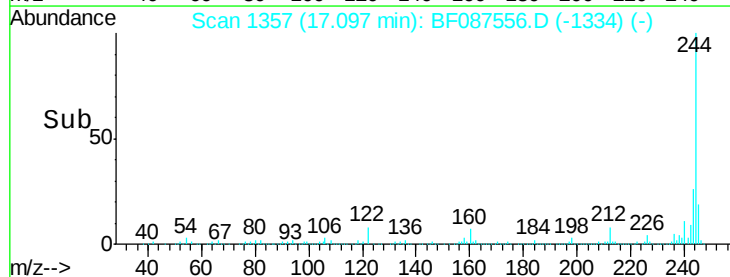
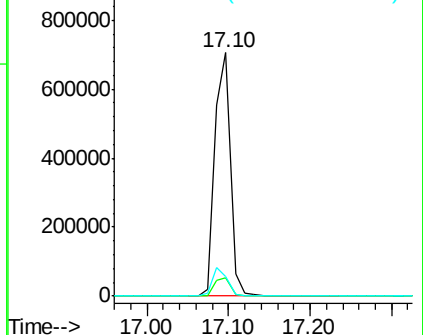
122 8.2 12.0 18.0#

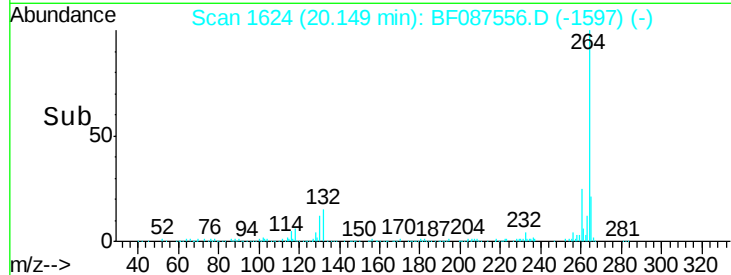
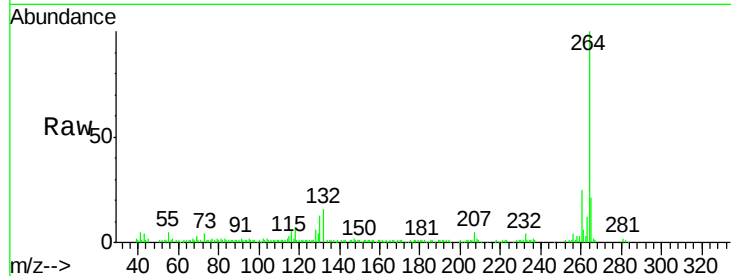
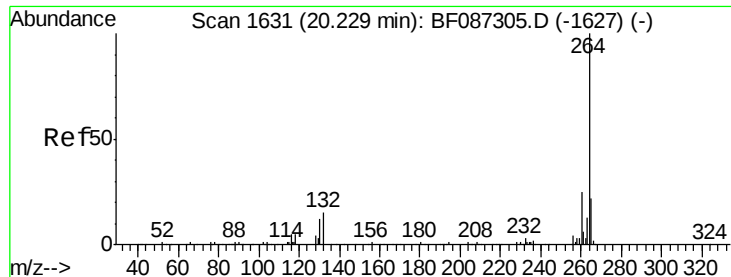


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 20.15 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BF087556.D
Acq: 30 May 2016 18:12

Instrument :
BNA_F
ClientSampleId :
MW-35

Tgt Ion:	264	Resp:	201957
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	21.1	17.3	25.9

