

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052416\
 Data File : BF087347.D
 Acq On : 24 May 2016 20:19
 Operator : UM/SJ
 Sample : H3135-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SEWER-JOB

Quant Time: May 25 01:01:15 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 00:58:25 2016
 Response via : Initial Calibration

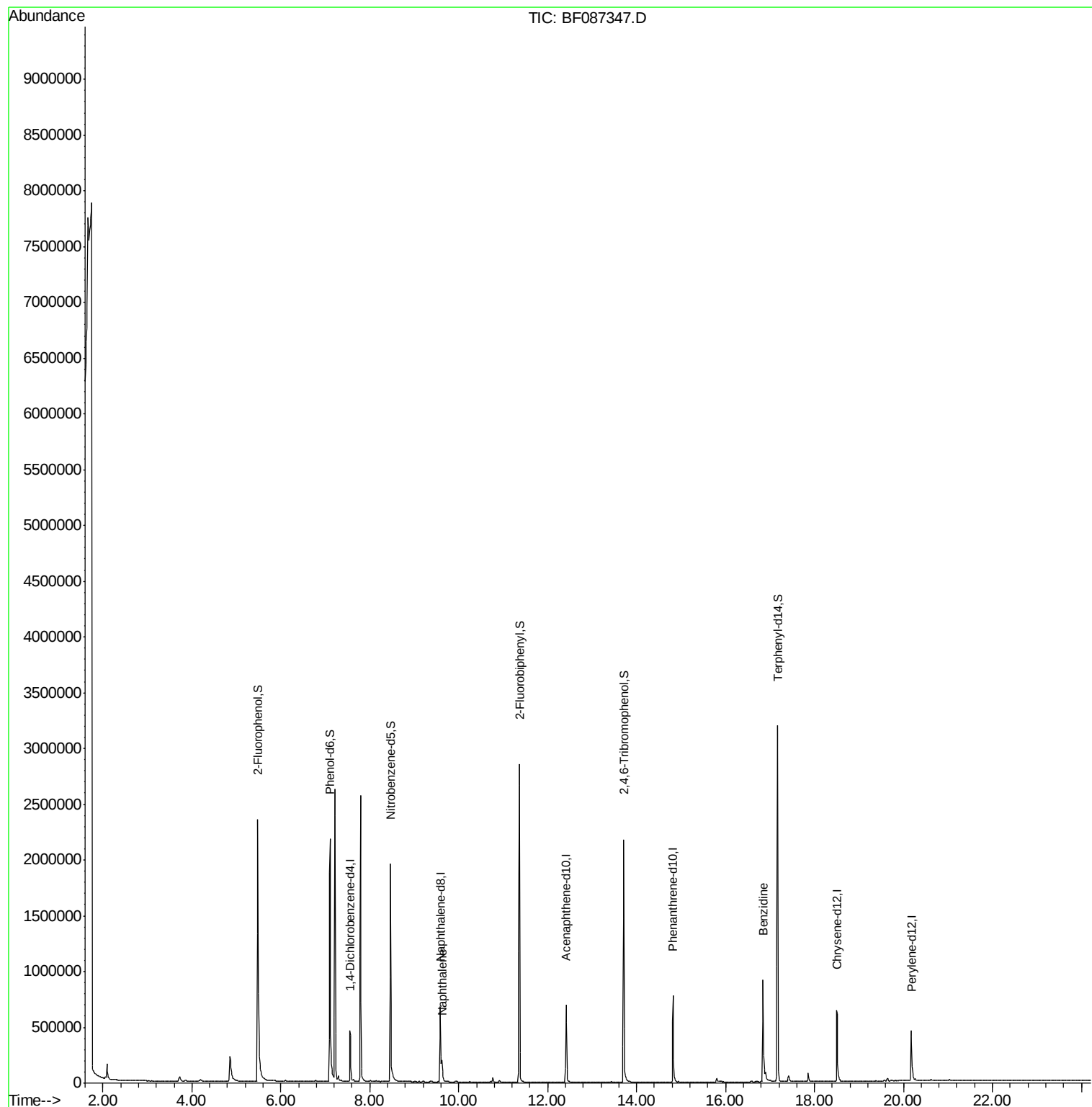
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	107819	20.00	ng	0.00
21) Naphthalene-d8	9.59	136	438773	20.00	ng	-0.01
38) Acenaphthene-d10	12.41	164	211364	20.00	ng	-0.01
63) Phenanthrene-d10	14.82	188	430991	20.00	ng	0.00
75) Chrysene-d12	18.51	240	374228	20.00	ng	0.00
86) Perylene-d12	20.18	264	275008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	945495	154.09	ng	0.02
7) Phenol-d6	7.11	99	1192444	143.82	ng	0.00
23) Nitrobenzene-d5	8.47	82	868185	99.72	ng	-0.02
41) 2,4,6-Tribromophenol	13.71	330	335561	165.21	ng	-0.01
44) 2-Fluorobiphenyl	11.37	172	1554054	103.65	ng	-0.01
78) Terphenyl-d14	17.18	244	1634301	92.85	ng	0.00
Target Compounds						
31) Naphthalene	9.62	128	149666	6.81	ng	99
76) Benzidine	16.85	184	535403	55.60	ng	95

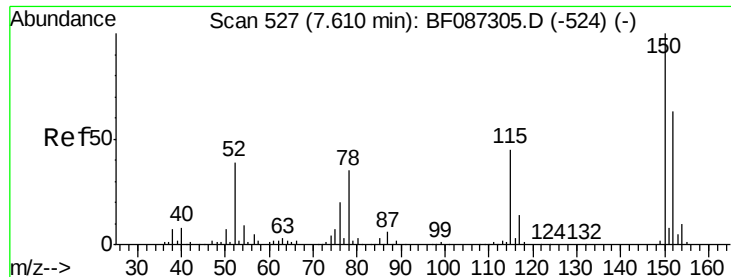
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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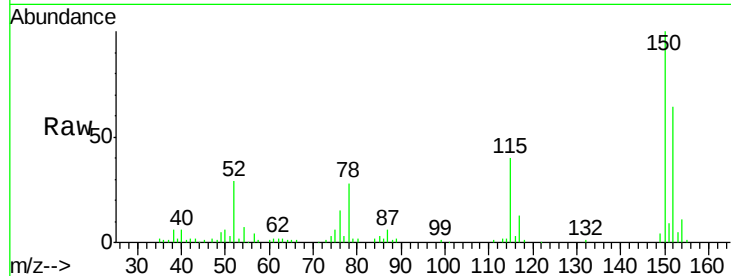


#1

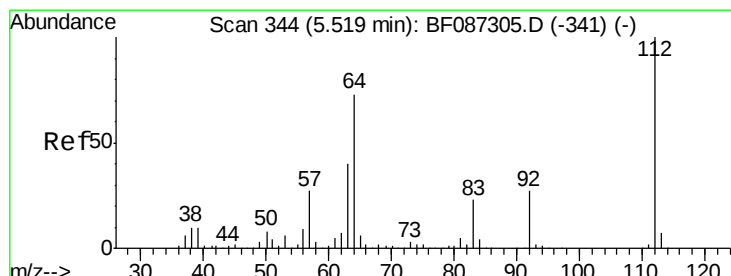
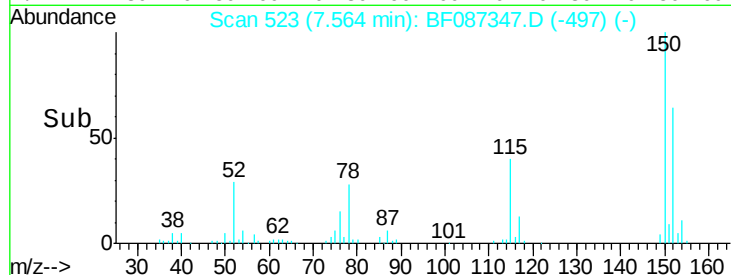
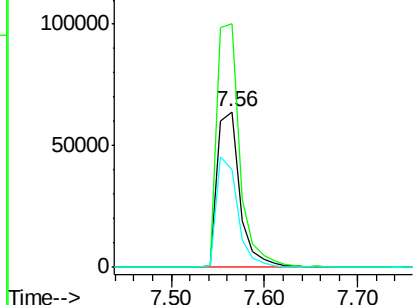
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.56 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF087347.D
Acq: 24 May 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SEWER-JOB

Tot Ion:152 Resp: 107819
Ion Ratio Lower Upper
152 100
150 156.4 125.8 188.6
115 63.0 51.5 77.3



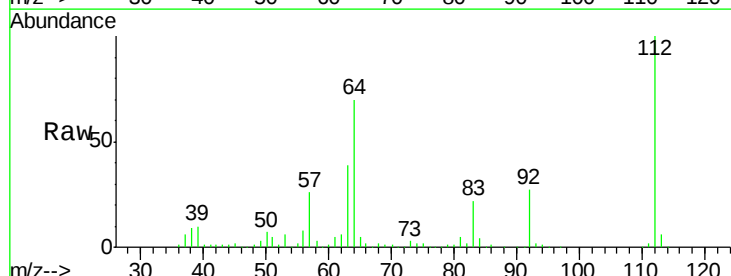
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



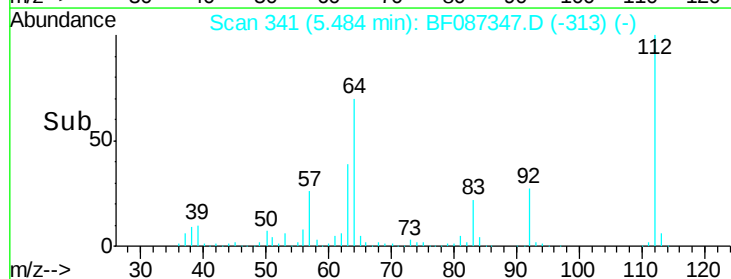
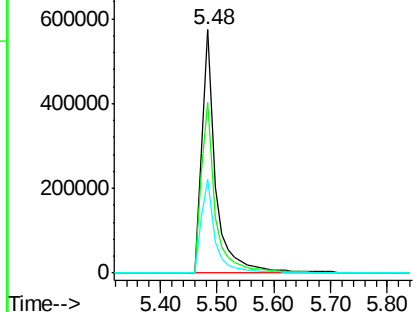
#5

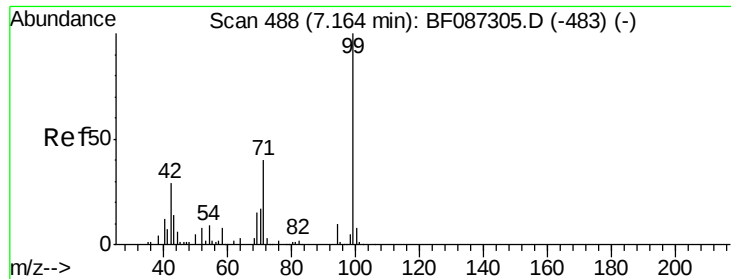
2-Fluorophenol
Concen: 154.09 ng
RT: 5.48 min Scan# 341
Delta R.T. 0.02 min
Lab File: BF087347.D
Acq: 24 May 2016 20:19

Tgt Ion:112 Resp: 945495
Ion Ratio Lower Upper
112 100
64 70.3 52.1 78.1
63 38.8 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: 143.82 ng

RT: 7.11 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

Instrument :

BNA_F

ClientSampleId :

SEWER-JOB

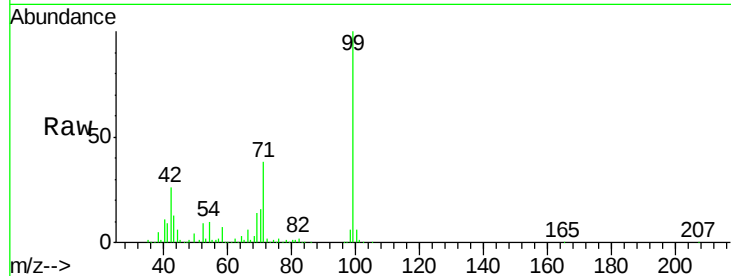
Tot Ion: 99 Resp: 1192444

Ion Ratio Lower Upper

99 100

42 26.2 13.6 20.4#

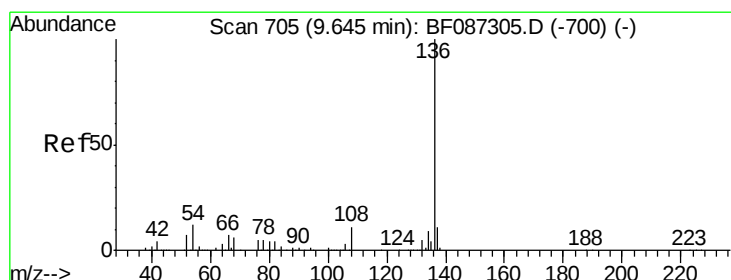
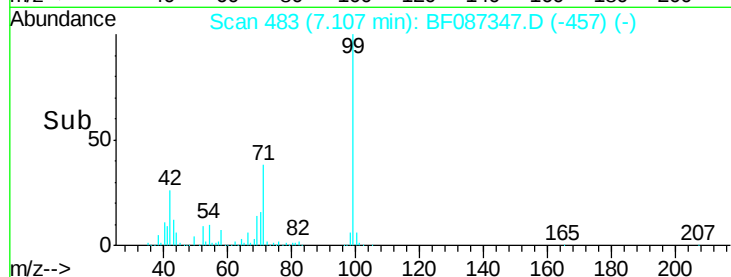
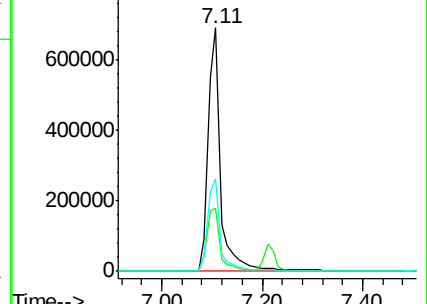
71 37.8 24.6 36.8#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

Tgt Ion: 136 Resp: 438773

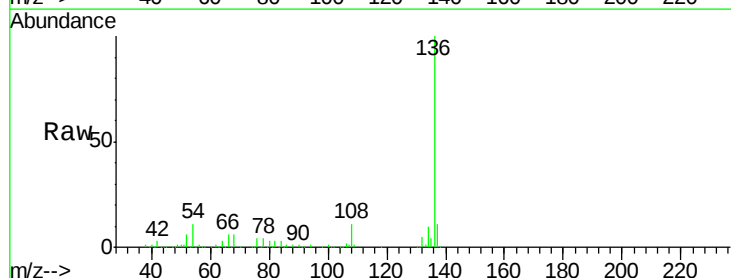
Ion Ratio Lower Upper

136 100

137 10.6 8.8 13.2

54 10.6 5.0 7.4#

68 5.5 4.4 6.6

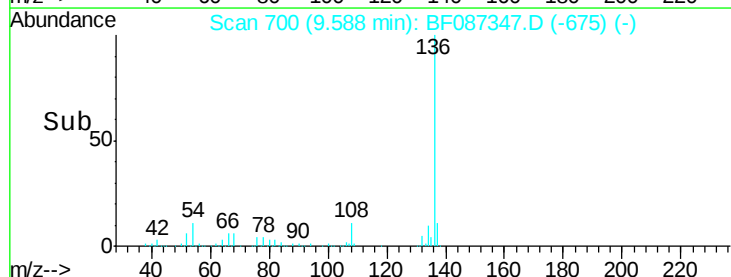
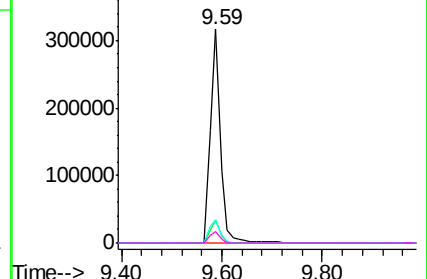


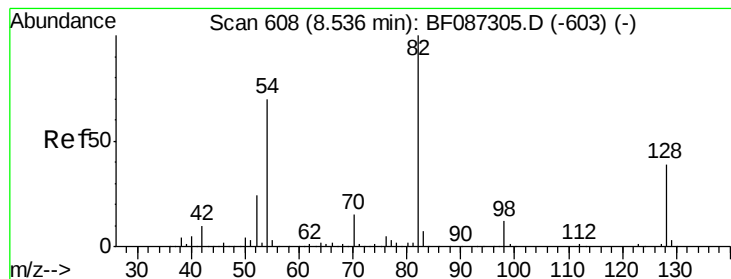
Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.72 ng

RT: 8.47 min Scan# 602

Delta R.T. -0.02 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

Instrument :

BNA_F

ClientSampleId :

SEWER-JOB

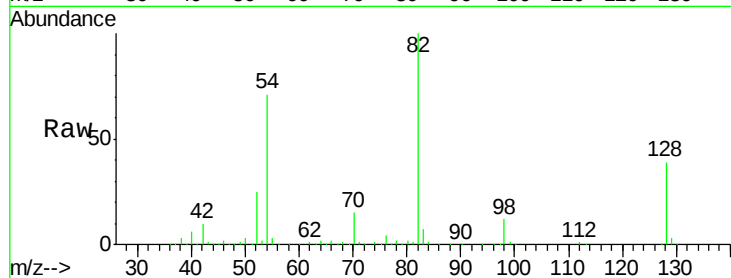
Tot Ion: 82 Resp: 868185

Ion Ratio Lower Upper

82 100

128 38.8 40.6 61.0#

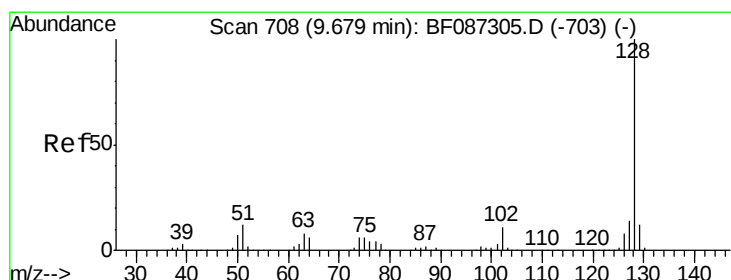
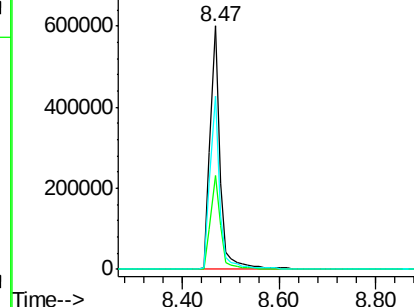
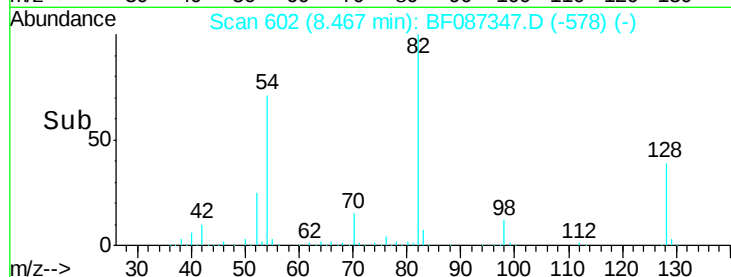
54 71.0 38.1 57.1#



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



#31

Naphthalene

Concen: 6.81 ng

RT: 9.62 min Scan# 703

Delta R.T. -0.01 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

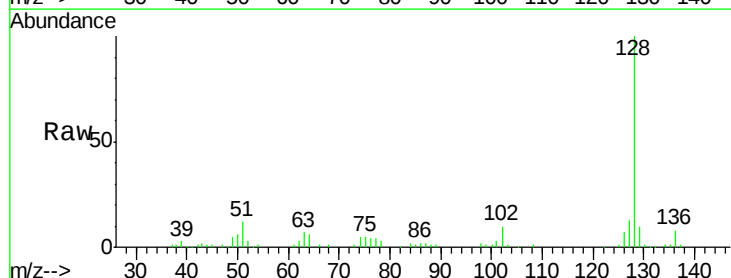
Tgt Ion: 128 Resp: 149666

Ion Ratio Lower Upper

128 100

129 10.3 8.6 13.0

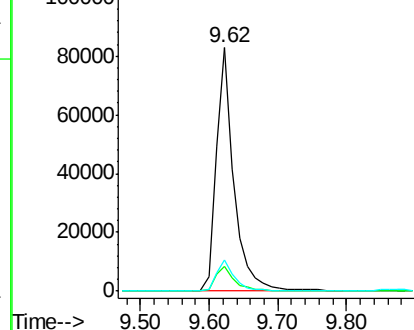
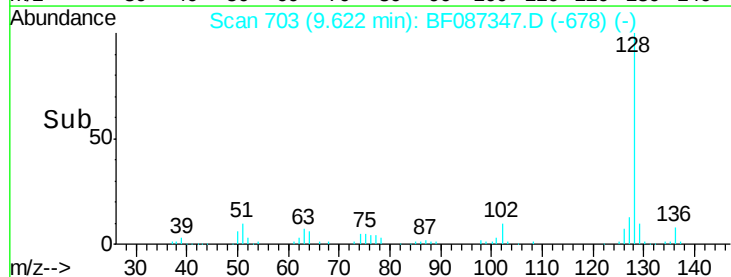
127 12.9 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

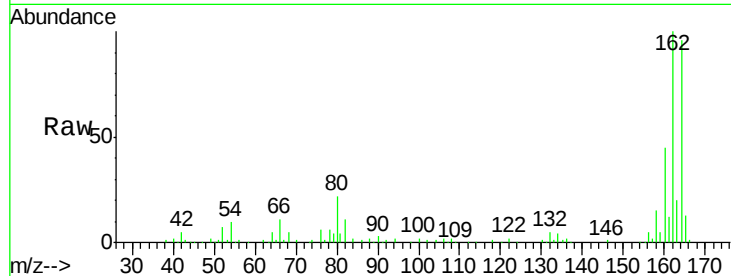




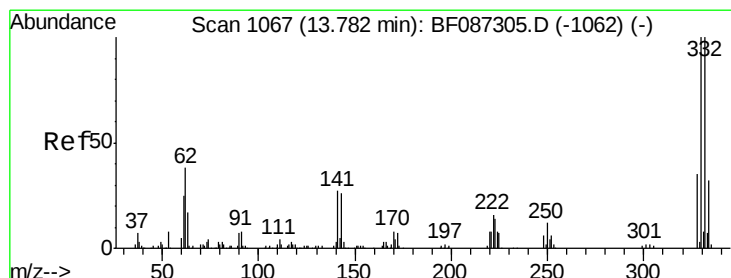
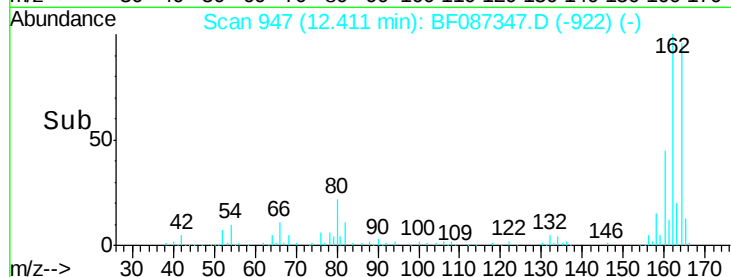
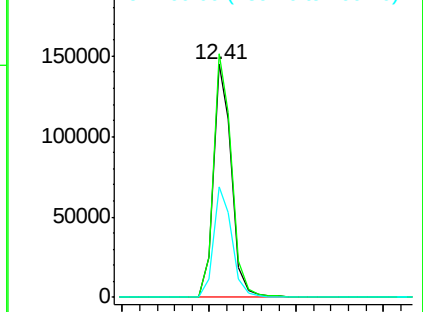
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.41 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF087347.D
 Acq: 24 May 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 SEWER-JOB

Tot Ion:164 Resp: 211364
 Ion Ratio Lower Upper
 164 100
 162 104.5 82.8 124.2
 160 47.3 36.9 55.3

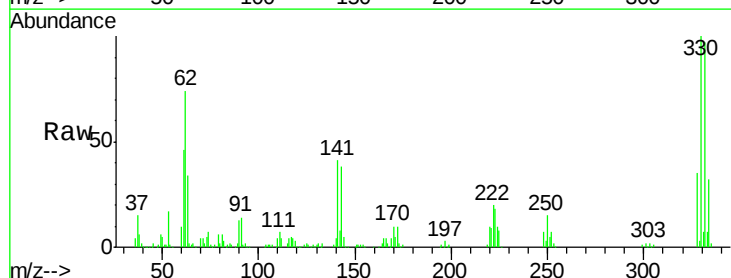


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

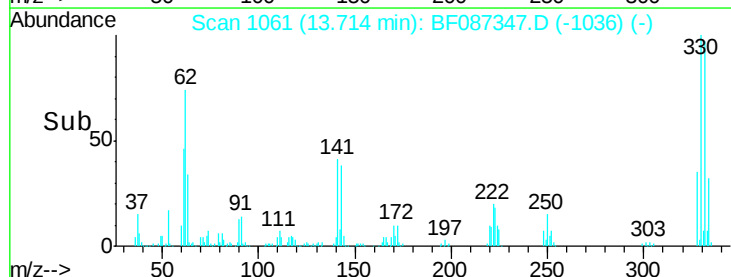
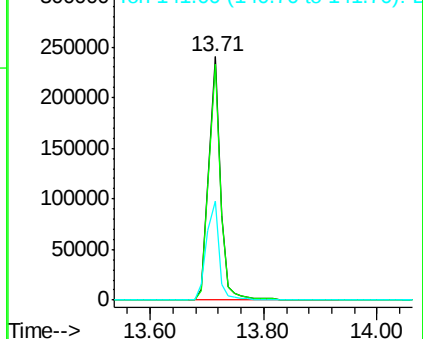


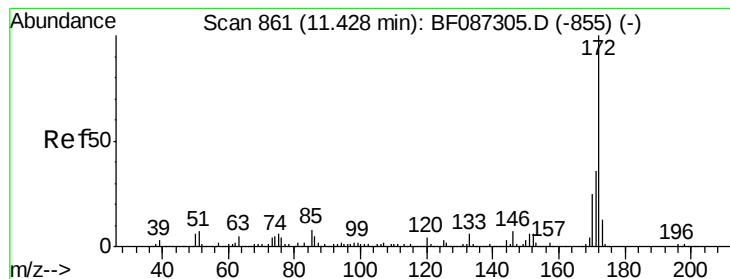
#41
 2,4,6-Tribromophenol
 Concen: 165.21 ng
 RT: 13.71 min Scan# 1061
 Delta R.T. -0.01 min
 Lab File: BF087347.D
 Acq: 24 May 2016 20:19

Tgt Ion:330 Resp: 335561
 Ion Ratio Lower Upper
 330 100
 332 97.3 79.0 118.4
 141 43.3 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

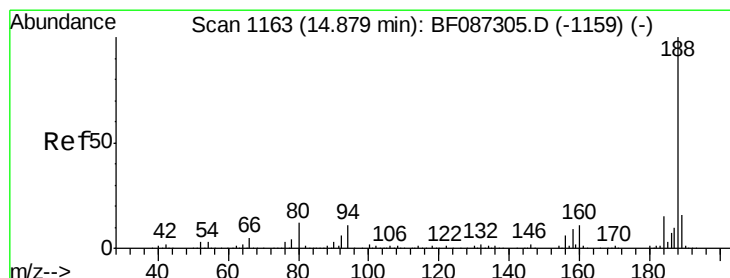
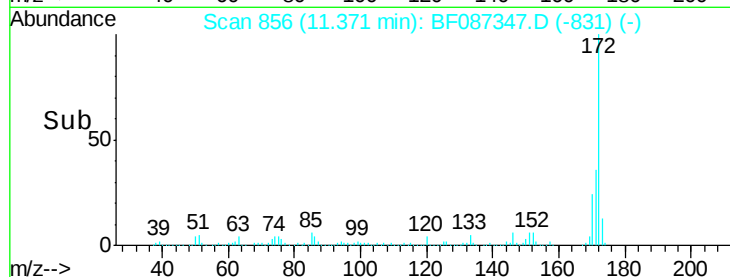
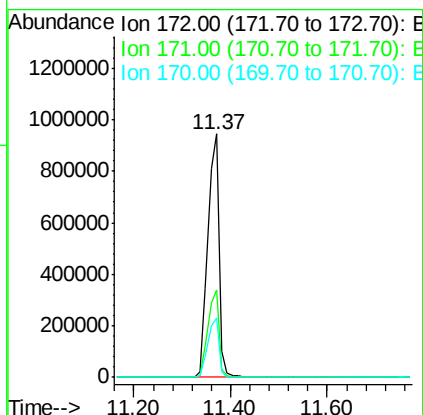
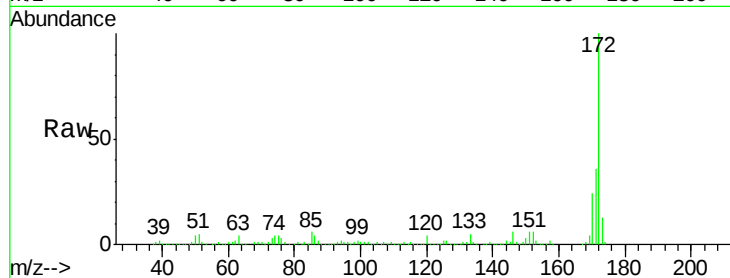




#44
2-Fluorobiphenyl
Concen: 103.65 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087347.D
Acq: 24 May 2016 20:19

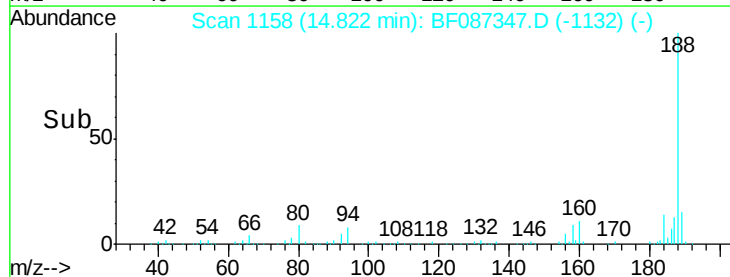
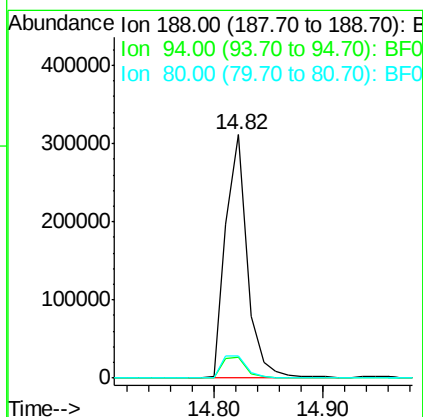
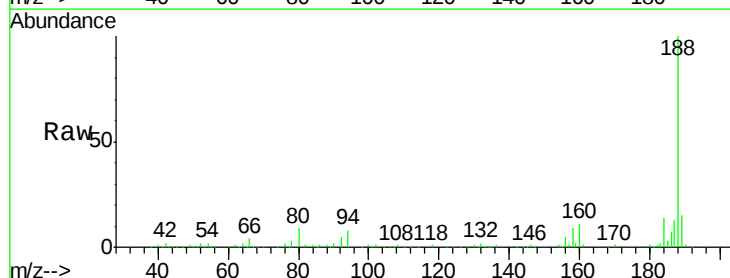
Instrument :
BNA_F
ClientSampleId :
SEWER-JOB

Tot Ion:172 Resp: 1554054
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.6
170 24.2 19.8 29.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF087347.D
Acq: 24 May 2016 20:19

Tgt Ion:188 Resp: 430991
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 9.0 7.1 10.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.51 min Scan# 1481

Delta R.T. -0.00 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

Instrument :

BNA_F

ClientSampleId :

SEWER-JOB

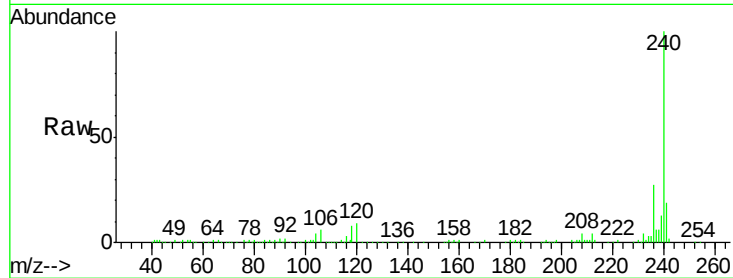
Tot Ion:240 Resp: 374228

Ion Ratio Lower Upper

240 100

120 9.3 11.2 16.8#

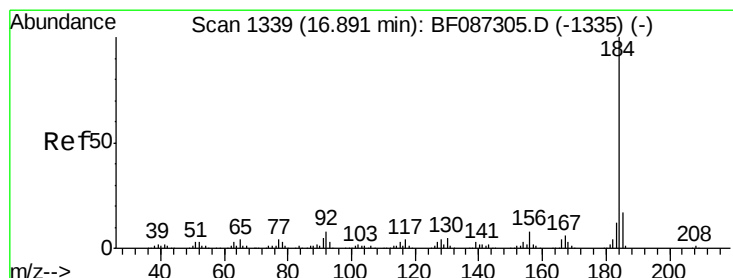
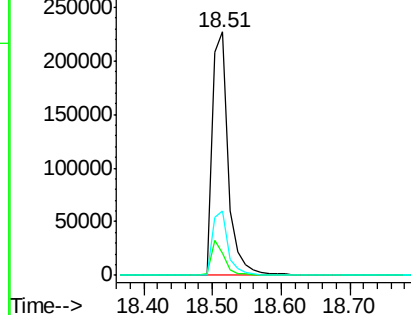
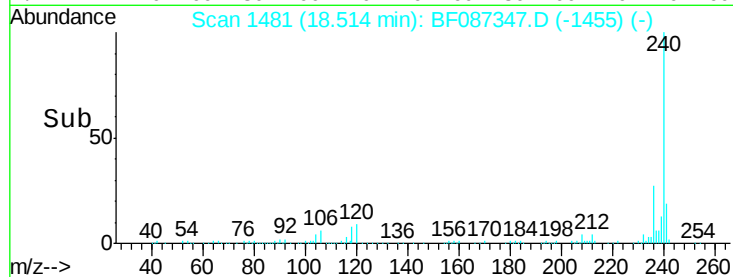
236 26.6 21.2 31.8



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



#76

Benzidine

Concen: 55.60 ng

RT: 16.85 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

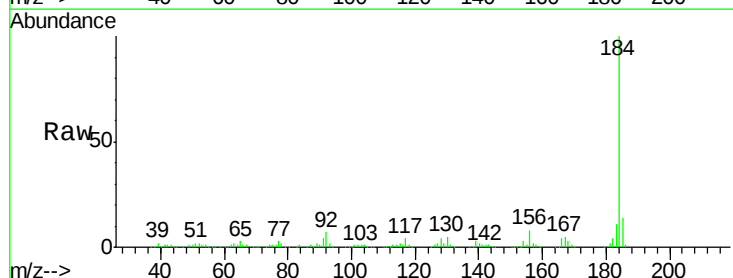
Tgt Ion:184 Resp: 535403

Ion Ratio Lower Upper

184 100

185 14.2 13.6 20.4

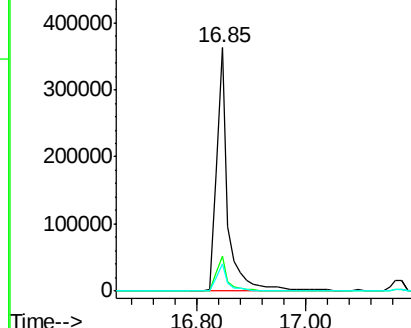
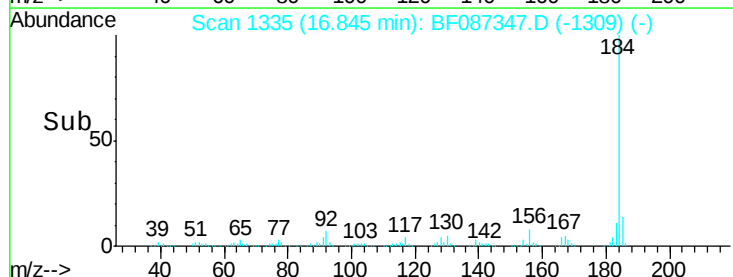
183 11.4 9.8 14.6

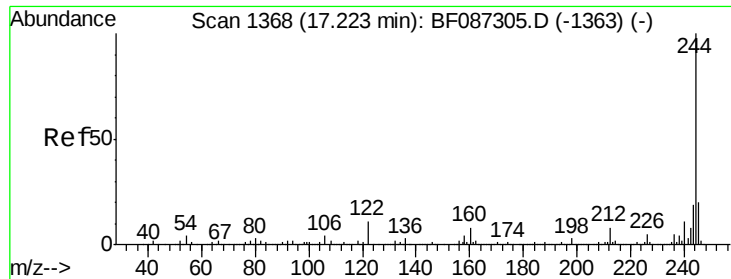


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.85 ng

RT: 17.18 min Scan# 1364

Delta R.T. -0.00 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

Instrument :

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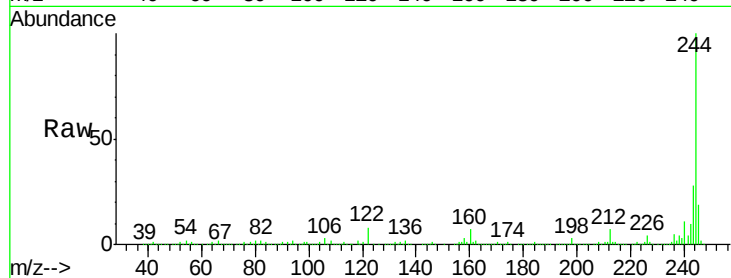
Tot Ion:244 Resp: 1634301

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

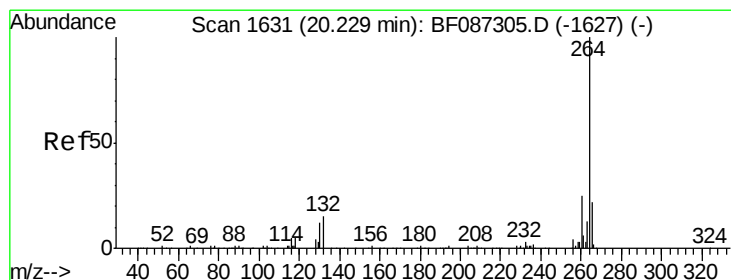
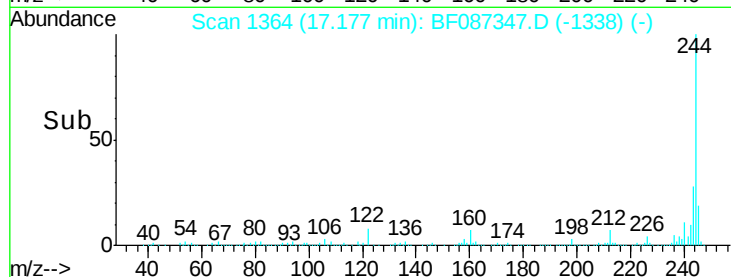
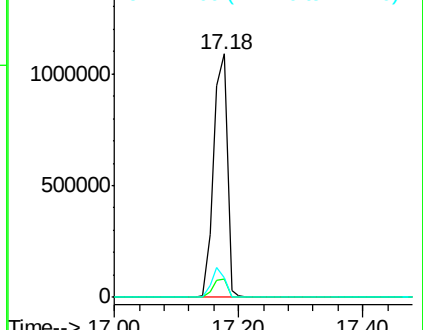
122 8.2 12.0 18.0#



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: 20.18 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BF087347.D

Acq: 24 May 2016 20:19

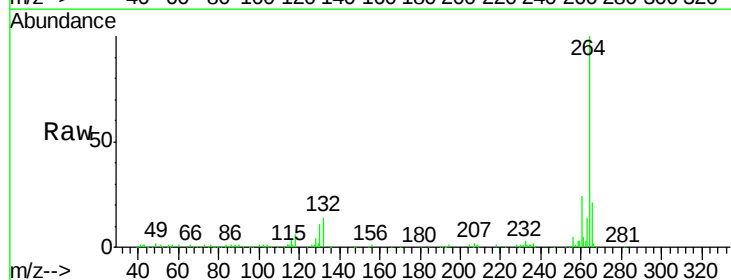
Tgt Ion:264 Resp: 275008

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

