

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031816\
 Data File : BF085565.D
 Acq On : 19 Mar 2016 10:18
 Operator : UM/SJ
 Sample : H1797-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WACC-WASTE-SOIL-COMP

Quant Time: Mar 21 01:48:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	129822	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	550834	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	245375	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	482358	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	374785	20.00	ng	-0.01
86) Perylene-d12	15.43	264	270983	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	935308	121.01	ng	0.01
7) Phenol-d6	6.49	99	1236936	124.78	ng	0.00
23) Nitrobenzene-d5	7.42	82	814339	85.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	387367	161.16	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1295377	91.93	ng	-0.01
78) Terphenyl-d14	12.96	244	1457193	93.56	ng	0.00

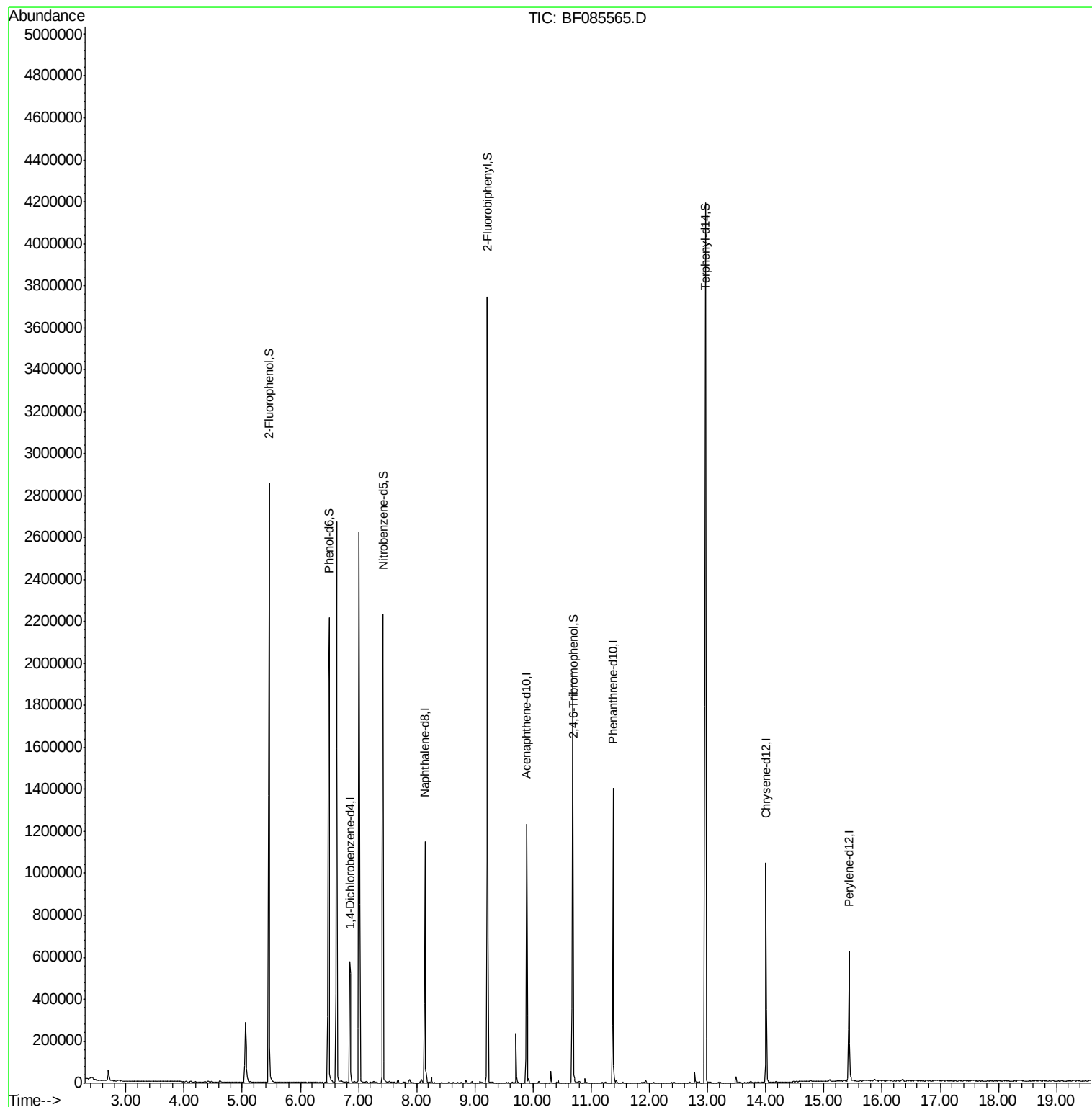
Target Compounds	Qvalue
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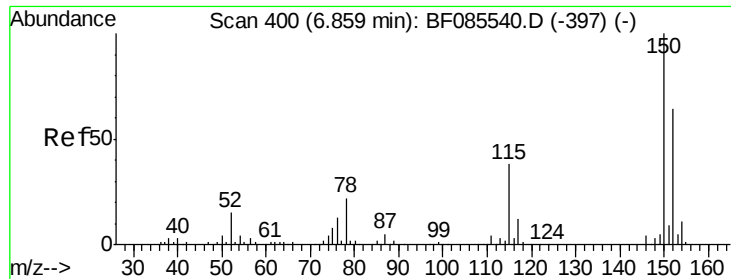
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 400

Delta R.T. 0.00 min

Lab File: BF085565.D

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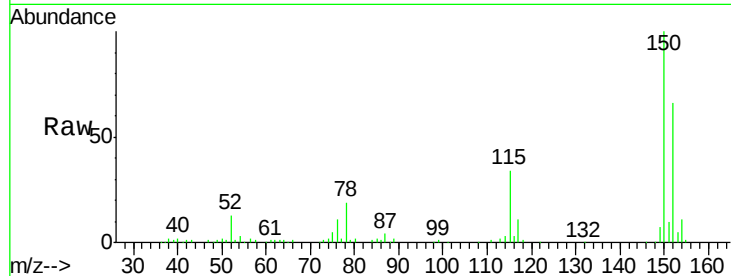
Tgt Ion:152 Resp: 129822

Ion Ratio Lower Upper

152 100

150 151.7 124.2 186.2

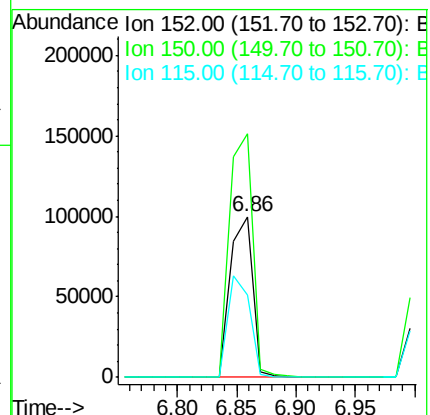
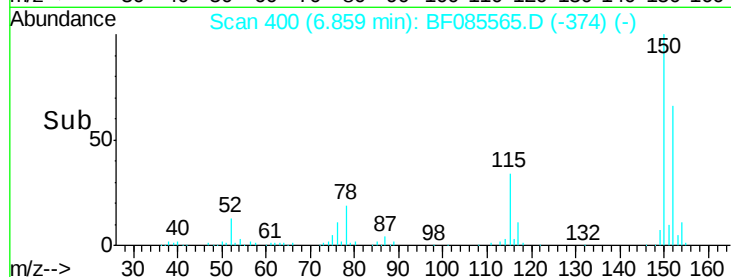
115 51.6 47.0 70.6



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: 121.01 ng

RT: 5.46 min Scan# 278

Delta R.T. 0.01 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

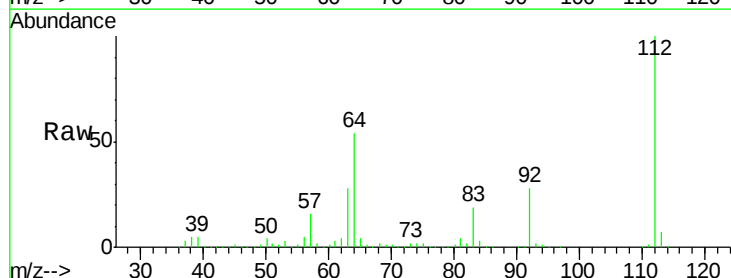
Tgt Ion:112 Resp: 935308

Ion Ratio Lower Upper

112 100

64 54.1 39.9 59.9

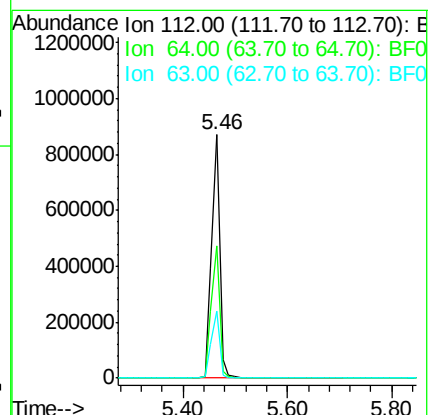
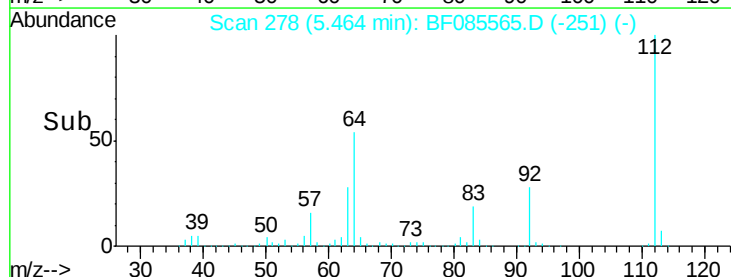
63 27.7 20.2 30.2

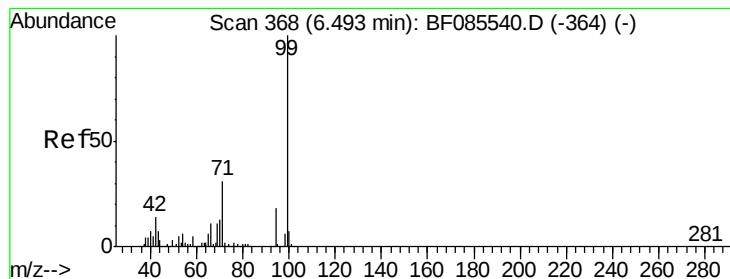


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.78 ng

RT: 6.49 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

Instrument :

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ClientSampleId :

WACC-WASTE-SOIL-COMP

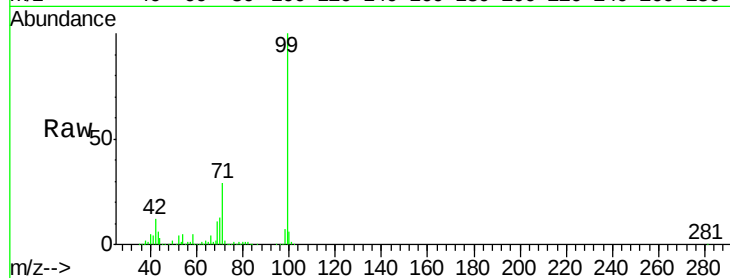
Tgt Ion: 99 Resp: 1236936

Ion Ratio Lower Upper

99 100

42 11.7 11.1 16.7

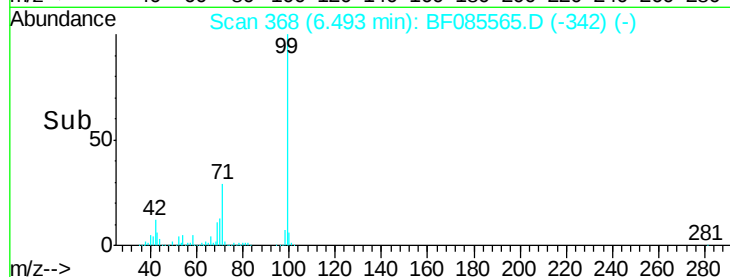
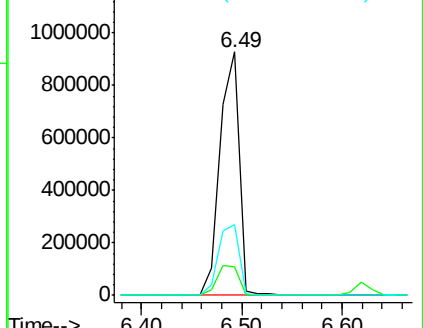
71 29.0 24.9 37.3



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: 8.14 min Scan# 512

Delta R.T. 0.00 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

Tgt Ion: 136 Resp: 550834

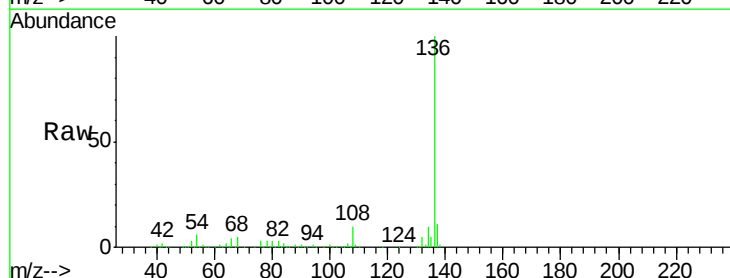
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 6.1 7.4 11.0#

68 5.2 5.8 8.8#

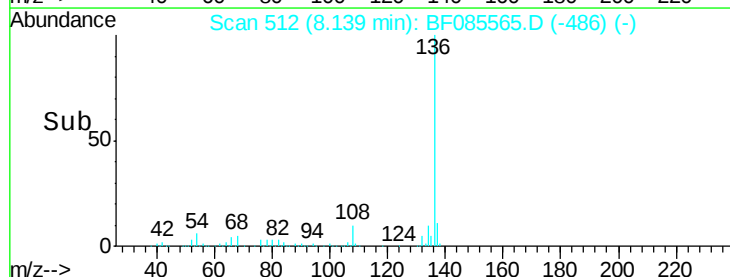
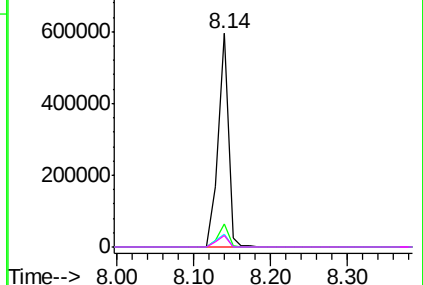


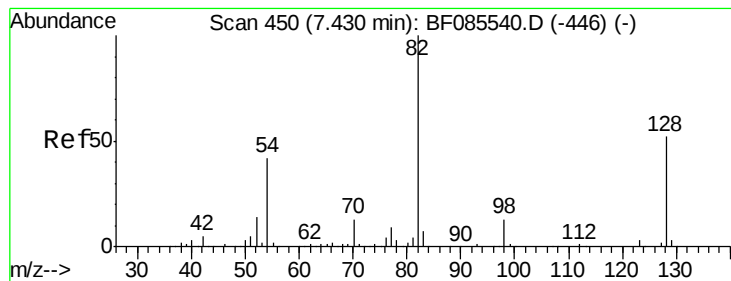
Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.81 ng

RT: 7.42 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

Instrument :

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WACC-WASTE-SOIL-COMP

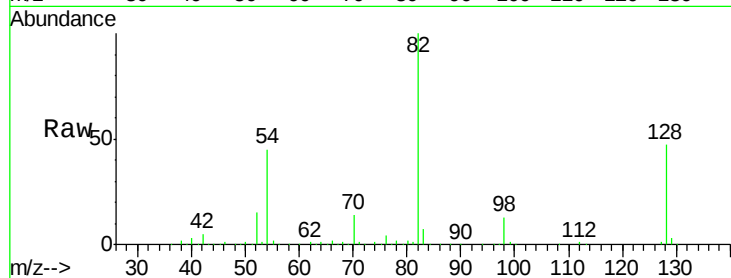
Tgt Ion: 82 Resp: 814339

Ion Ratio Lower Upper

82 100

128 46.8 41.8 62.8

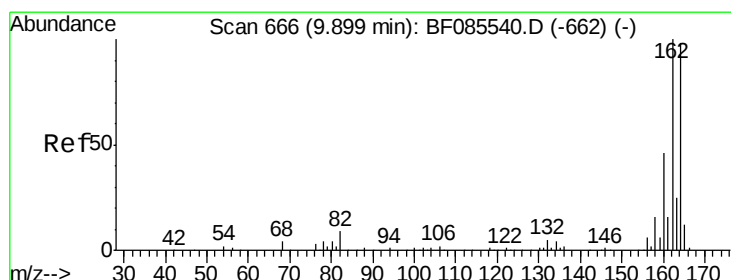
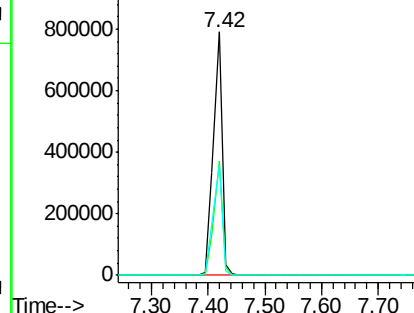
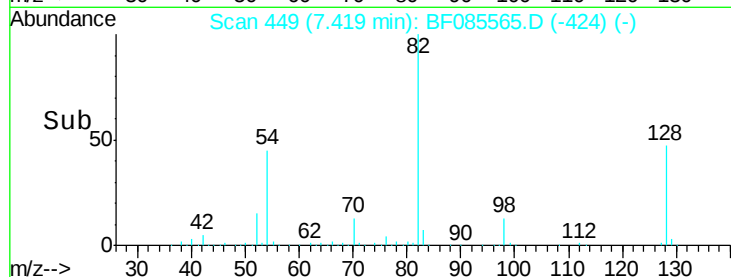
54 45.3 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

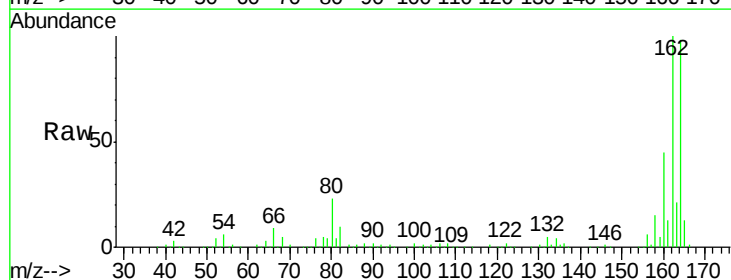
Tgt Ion: 164 Resp: 245375

Ion Ratio Lower Upper

164 100

162 102.2 82.1 123.1

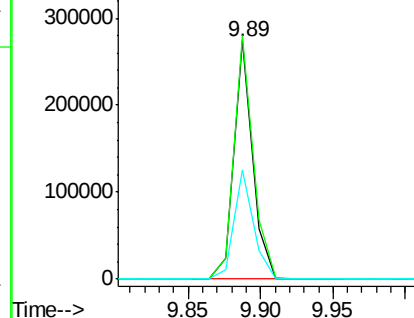
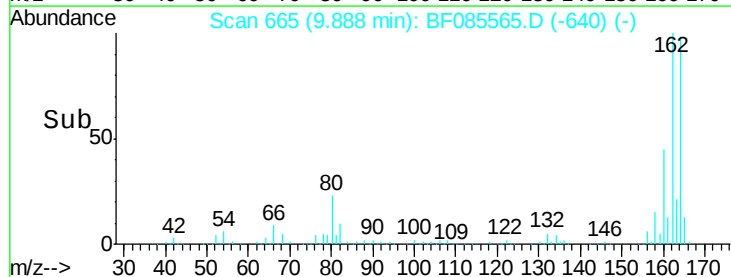
160 46.0 37.4 56.2

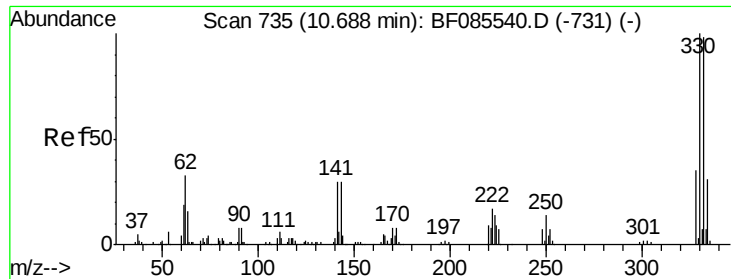


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

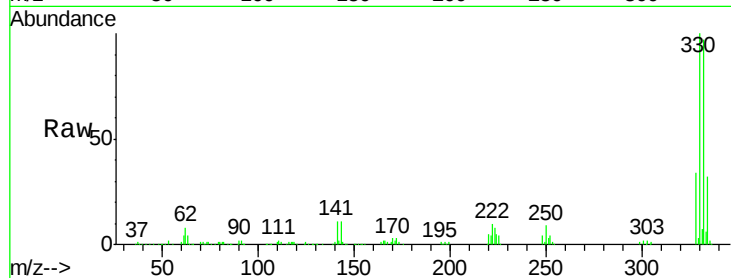




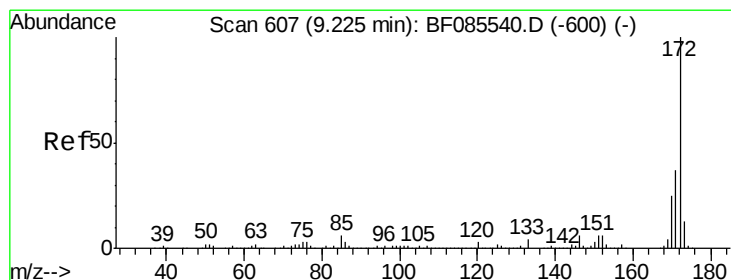
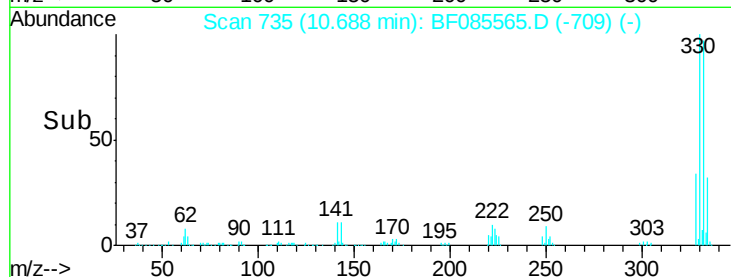
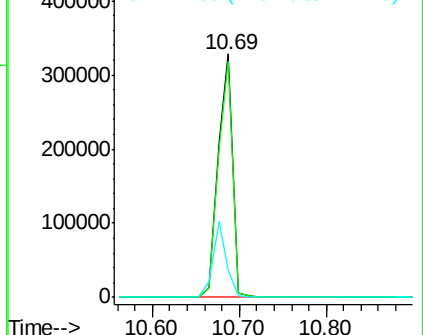
#41
 2,4,6-Tribromophenol
 Concen: 161.16 ng
 RT: 10.69 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: BF085565.D
 Acq: 19 Mar 2016 10:18

Instrument :
 BNA_F
 ClientSampleId :
 WACC-WASTE-SOIL-COMP

Tgt Ion:330 Resp: 387367
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.2 117.2
 141 29.1 31.5 47.3#

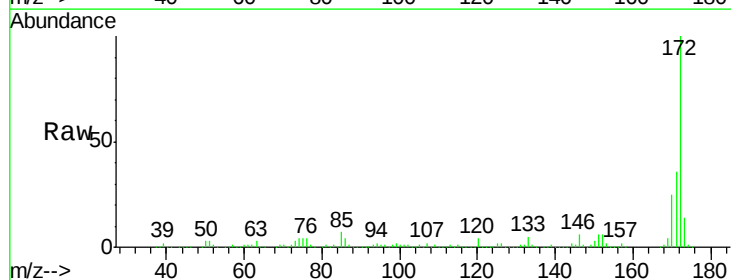


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

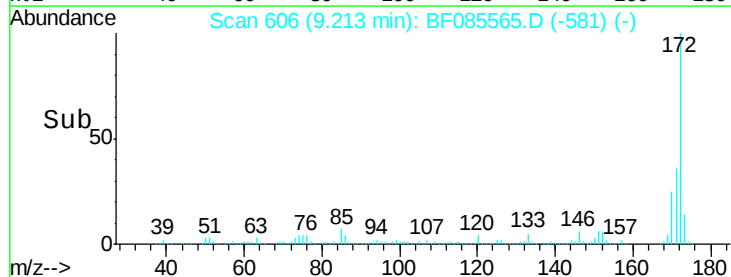
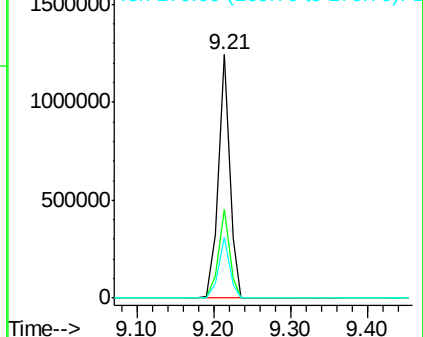


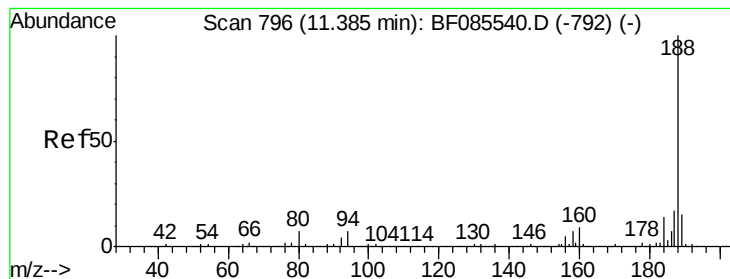
#44
 2-Fluorobiphenyl
 Concen: 91.93 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085565.D
 Acq: 19 Mar 2016 10:18

Tgt Ion:172 Resp: 1295377
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.4 44.2
 170 24.8 19.8 29.6



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

Instrument :

BNA_F

ClientSampleId :

WACC-WASTE-SOIL-COMP

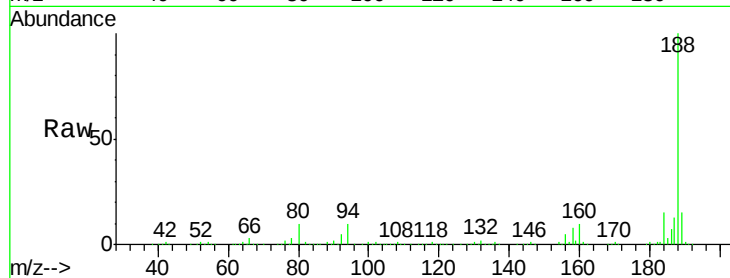
Tgt Ion:188 Resp: 482358

Ion Ratio Lower Upper

188 100

94 9.8 5.4 8.0#

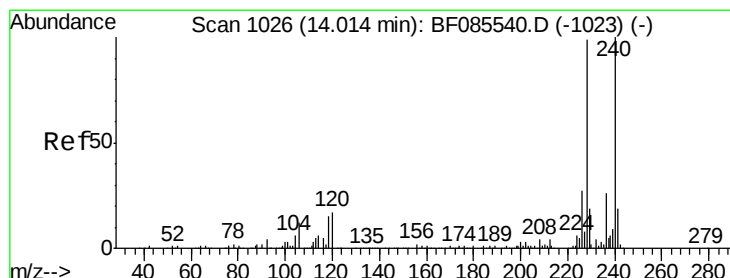
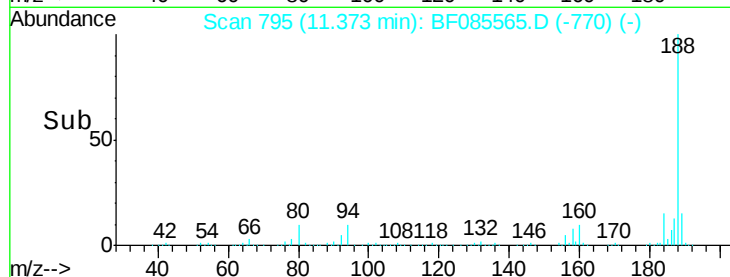
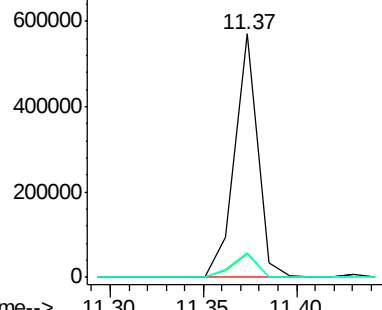
80 10.1 5.5 8.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085565.D

Acq: 19 Mar 2016 10:18

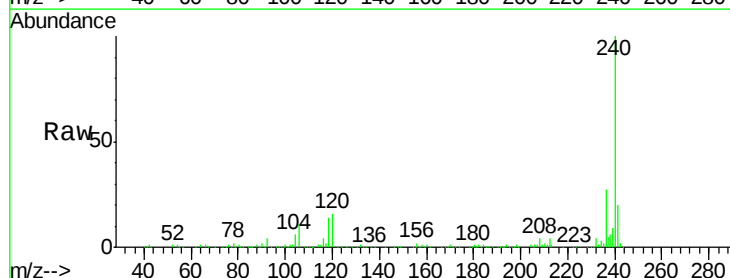
Tgt Ion:240 Resp: 374785

Ion Ratio Lower Upper

240 100

120 15.6 13.8 20.8

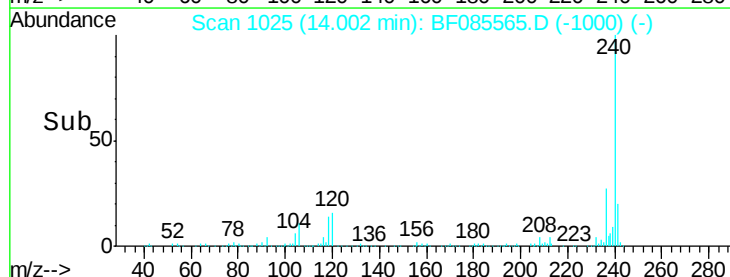
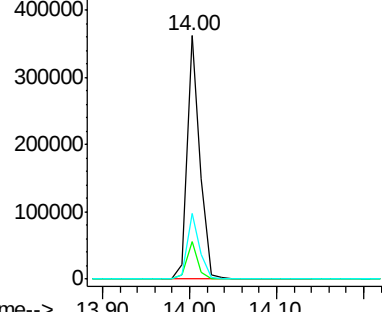
236 26.7 20.6 30.8

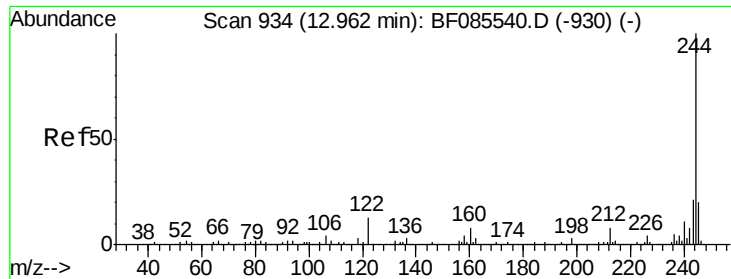


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

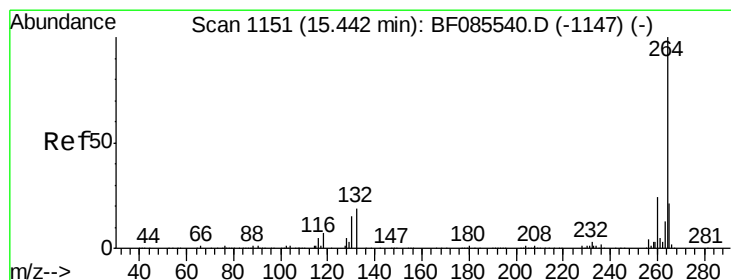
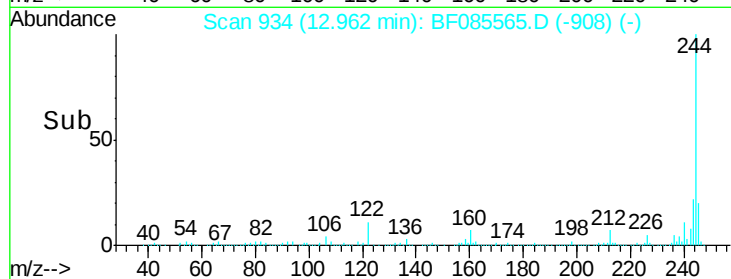
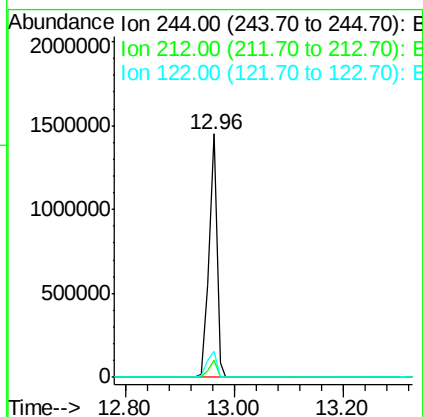
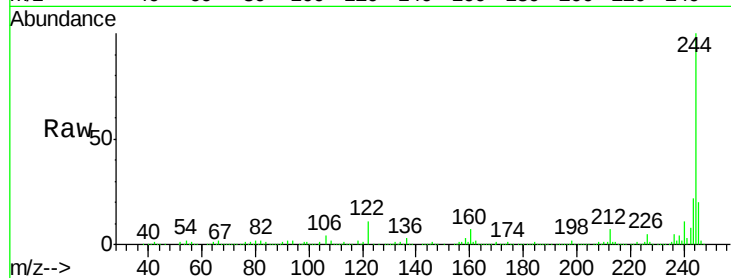




#78
 Terphenyl-d14
 Concen: 93.56 ng
 RT: 12.96 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF085565.D
 Acq: 19 Mar 2016 10:18

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Tgt Ion:244 Resp: 1457193
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 10.6 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1150
 Delta R.T. -0.01 min
 Lab File: BF085565.D
 Acq: 19 Mar 2016 10:18

Tgt Ion:264 Resp: 270983
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.4 29.2
 265 21.8 17.2 25.8

