

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052316\
 Data File : BF087323.D
 Acq On : 24 May 2016 4:30
 Operator : UM/SJ
 Sample : H3214-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW104

Quant Time: May 24 05:31:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 01:40:43 2016
 Response via : Initial Calibration

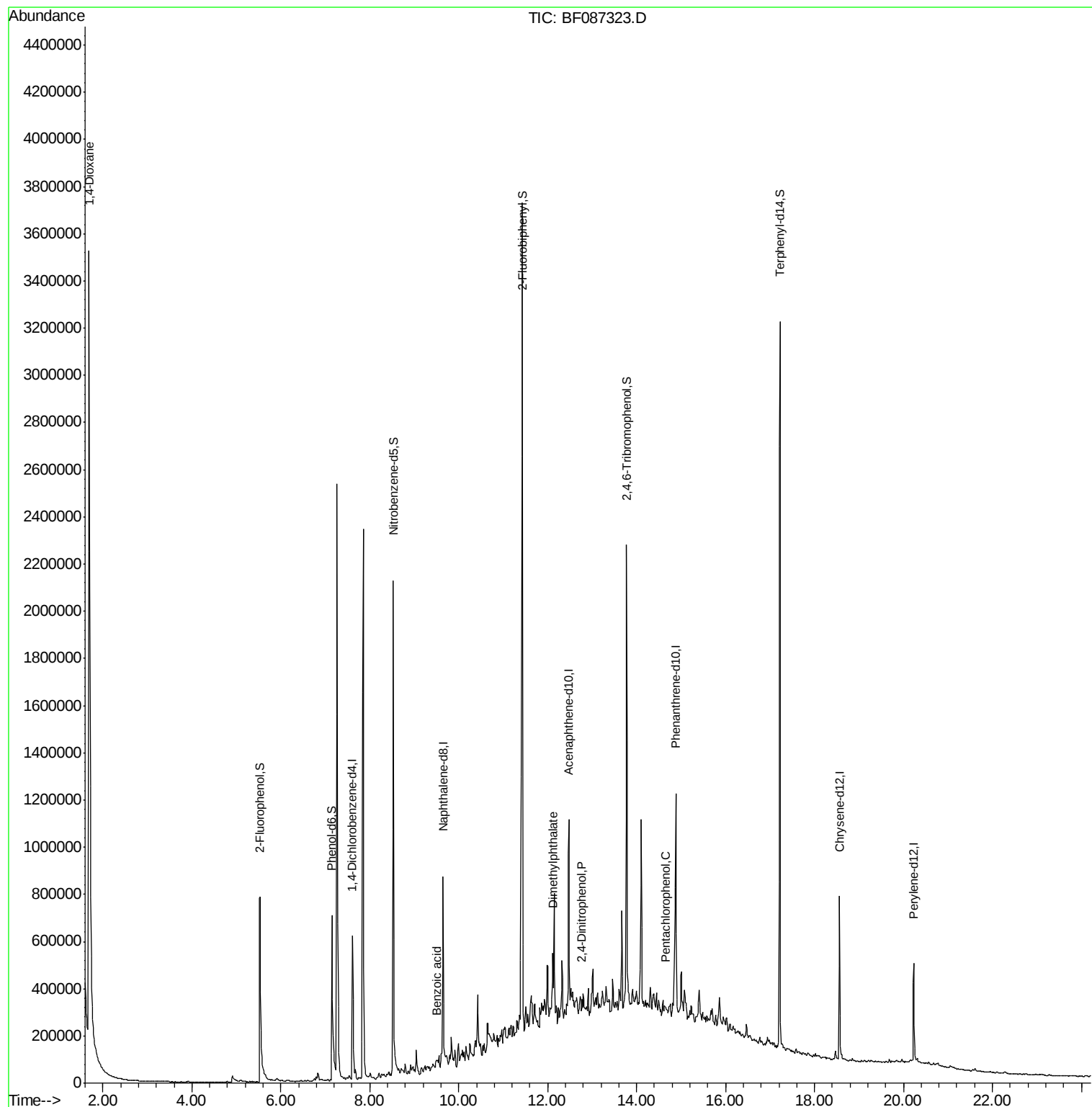
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	122309	20.00	ng	0.00
21) Naphthalene-d8	9.64	136	504501	20.00	ng	0.00
38) Acenaphthene-d10	12.48	164	229556	20.00	ng	0.00
63) Phenanthrene-d10	14.88	188	412460	20.00	ng	0.00
75) Chrysene-d12	18.56	240	330780	20.00	ng	0.00
86) Perylene-d12	20.23	264	242546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	470317	67.57	ng	0.01
7) Phenol-d6	7.15	99	383681	40.79	ng	-0.01
23) Nitrobenzene-d5	8.52	82	921079	92.01	ng	-0.01
41) 2,4,6-Tribromophenol	13.77	330	328144	148.75	ng	-0.01
44) 2-Fluorobiphenyl	11.43	172	1552456	95.34	ng	0.00
78) Terphenyl-d14	17.22	244	1407436	90.46	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.69	88	156212	42.53	ng	# 22
32) Benzoic acid	9.51	122	535	5.95	ng	# 1
49) Dimethylphthalate	12.11	163	61448	3.34	ng	# 95
53) 2,4-Dinitrophenol	12.76	184	1138	7.10	ng	# 31
69) Pentachlorophenol	14.64	266	576	6.54	ng	94

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

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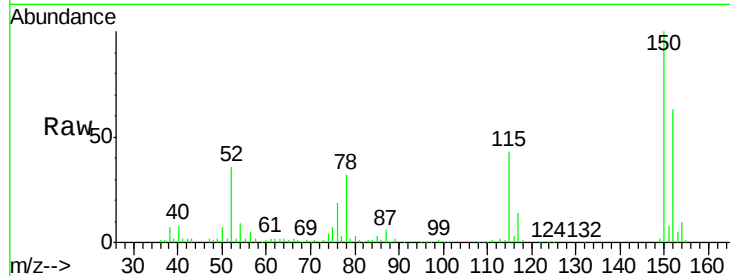


#1

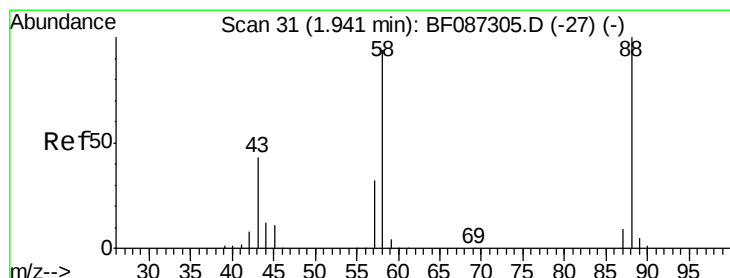
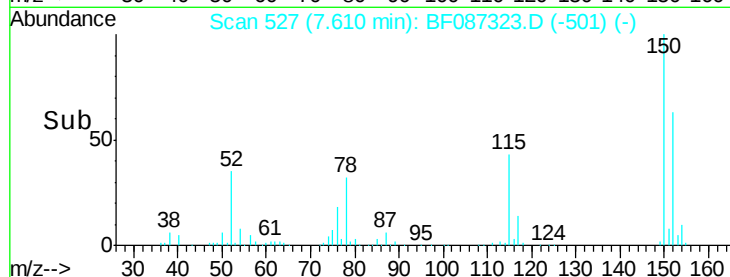
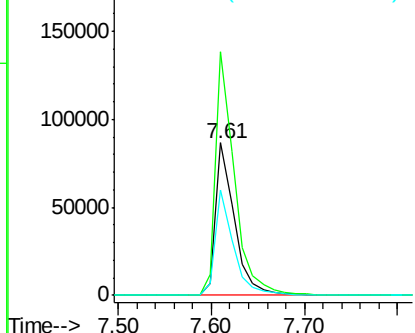
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF087323.D
Acq: 24 May 2016 4:30

Instrument :
BNA_F
ClientSampleId :
MW104

Tgt Ion: 152 Resp: 122309
Ion Ratio Lower Upper
152 100
150 159.5 125.8 188.6
115 69.3 51.5 77.3



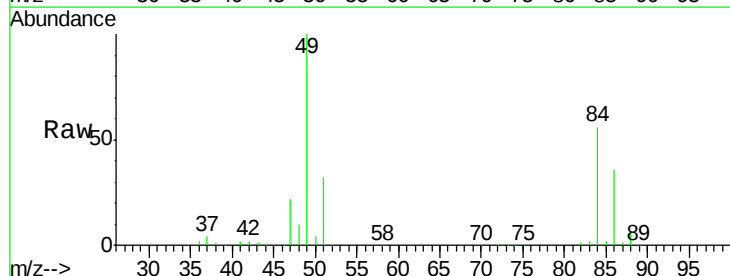
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



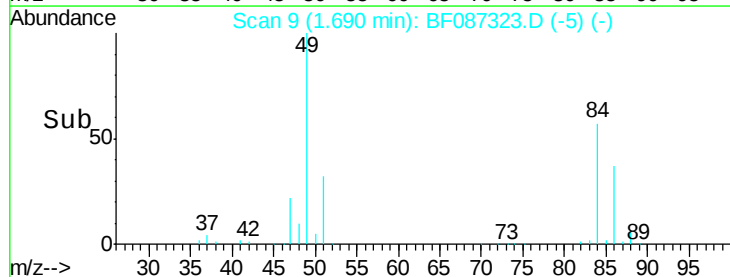
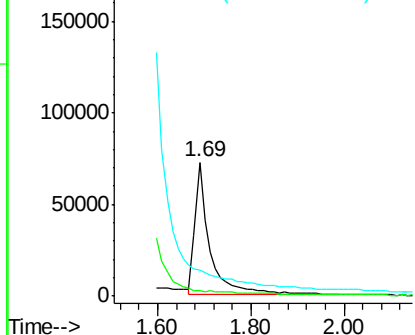
#2

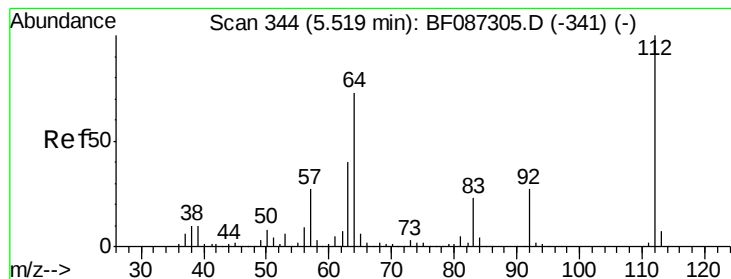
1,4-Dioxane
Concen: 42.53 ng
RT: 1.69 min Scan# 9
Delta R.T. -0.25 min
Lab File: BF087323.D
Acq: 24 May 2016 4:30

Tgt Ion: 88 Resp: 156212
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: 67.57 ng

RT: 5.53 min Scan# 345

Delta R.T. 0.01 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

Instrument :

BNA_F

ClientSampled :

MW104

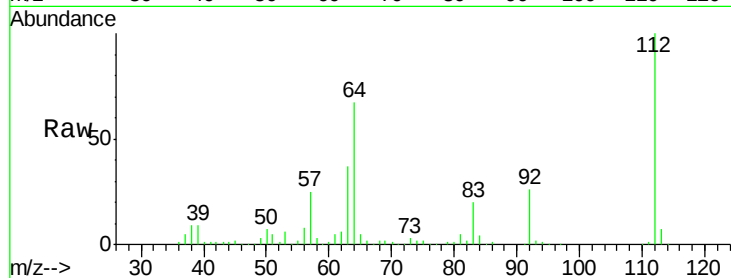
Tgt Ion: 112 Resp: 470317

Ion Ratio Lower Upper

112 100

64 66.9 52.1 78.1

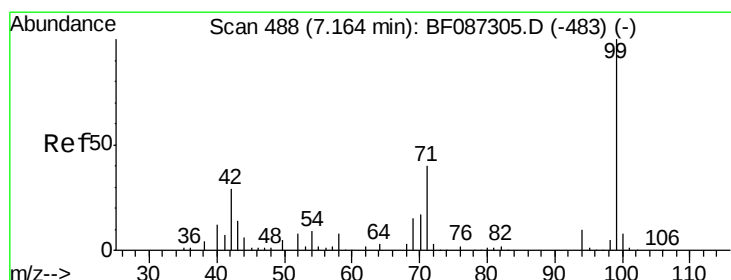
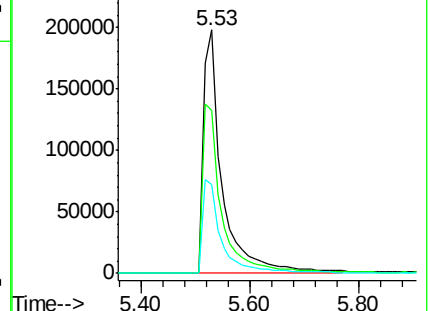
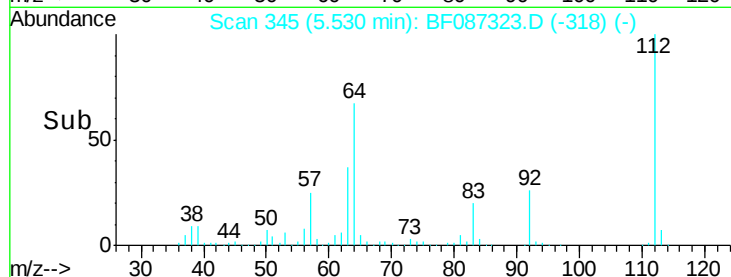
63 36.7 25.7 38.5



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: 40.79 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

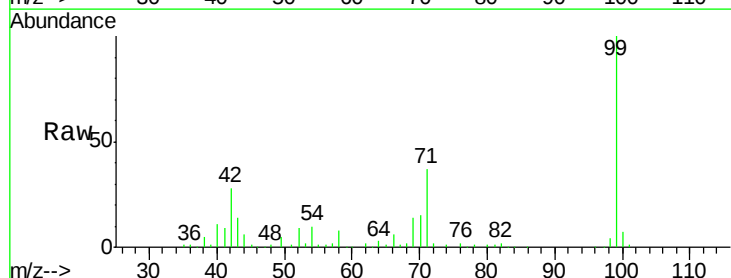
Tgt Ion: 99 Resp: 383681

Ion Ratio Lower Upper

99 100

42 27.6 13.6 20.4#

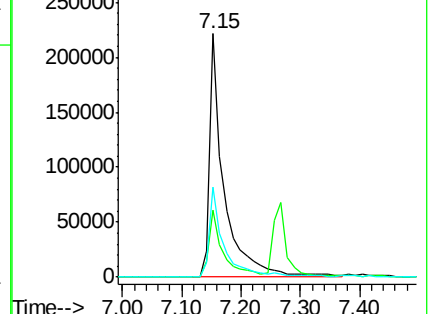
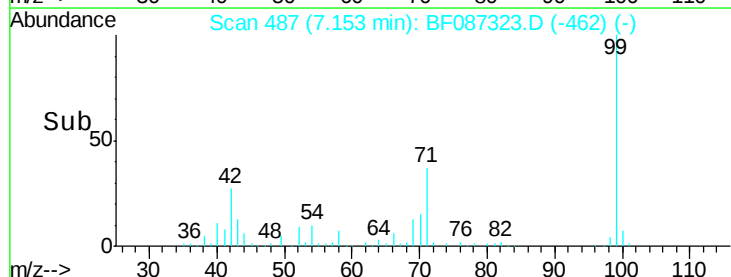
71 37.0 24.6 36.8#

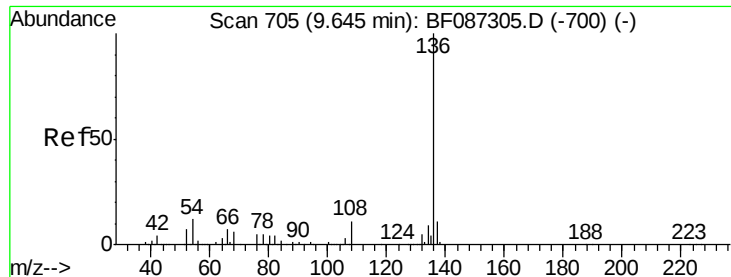


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 9.64 min Scan# 705

Delta R.T. -0.00 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

Instrument :

BNA_F

ClientSampleId :

MW104

Tgt Ion:136 Resp: 504501

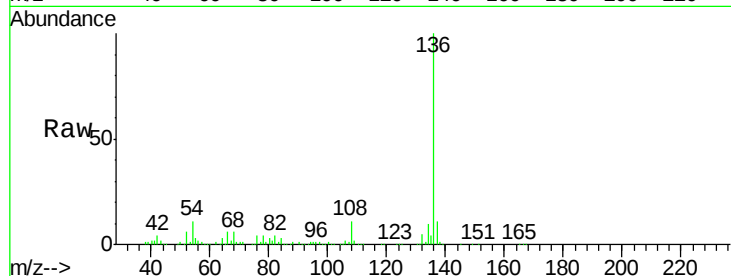
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 10.7 5.0 7.4#

68 5.8 4.4 6.6

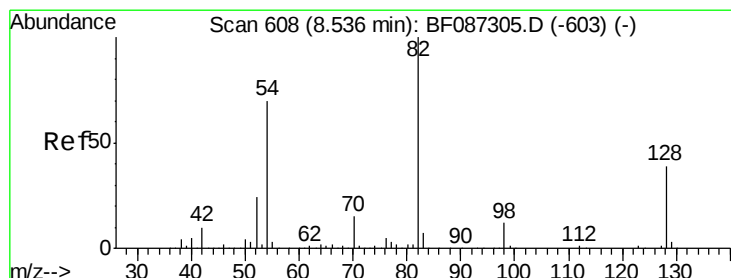
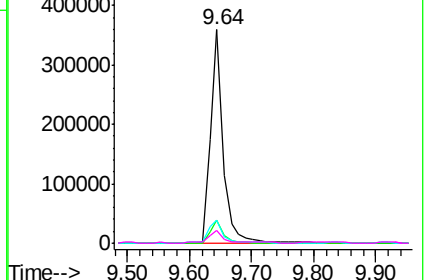
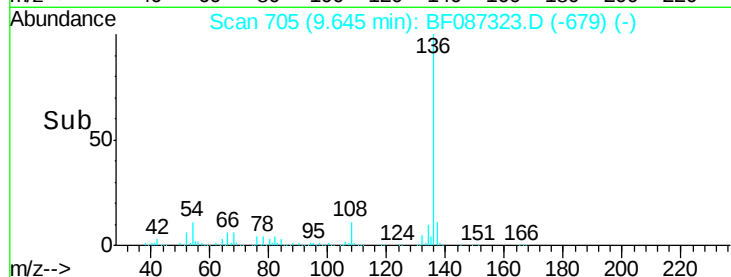


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.01 ng

RT: 8.52 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

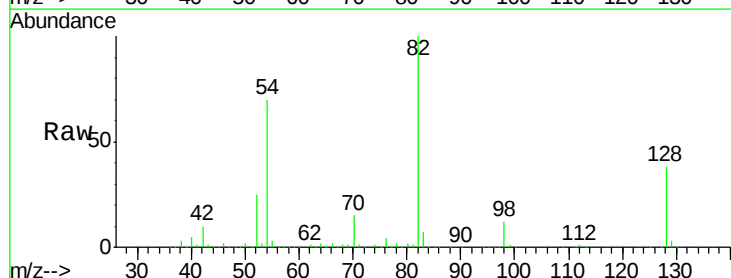
Tgt Ion: 82 Resp: 921079

Ion Ratio Lower Upper

82 100

128 38.2 40.6 61.0#

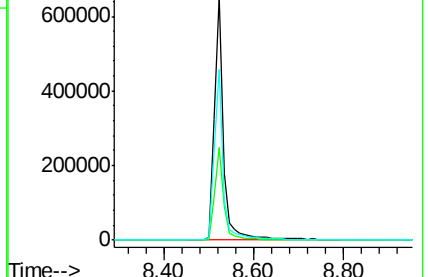
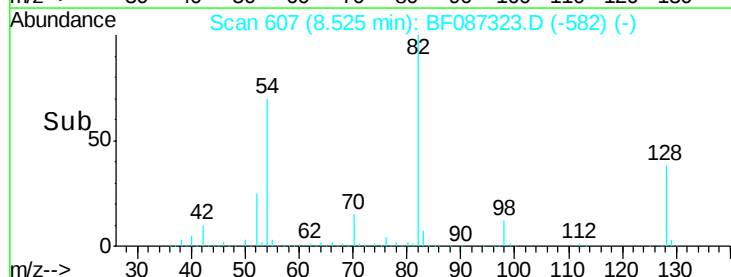
54 70.1 38.1 57.1#

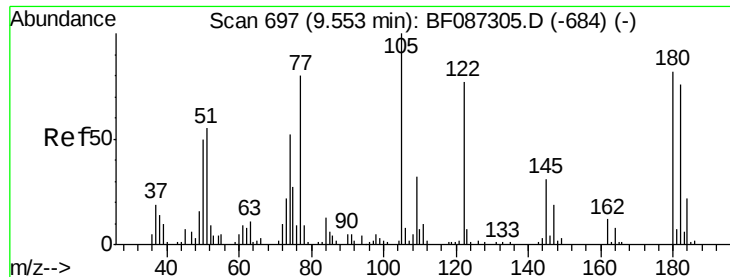


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

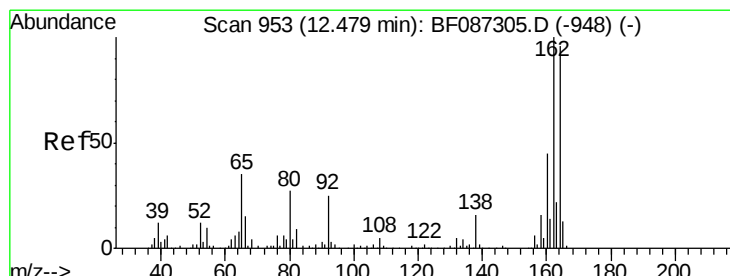
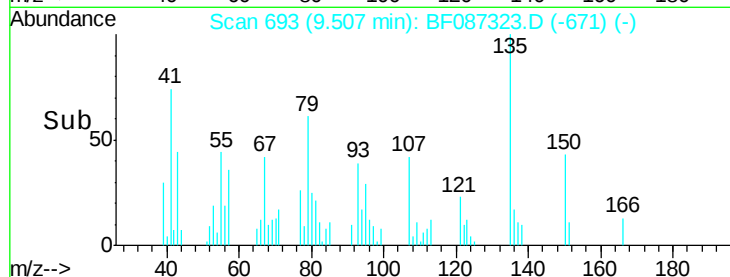
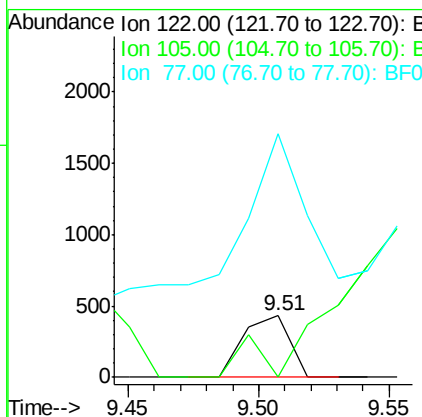
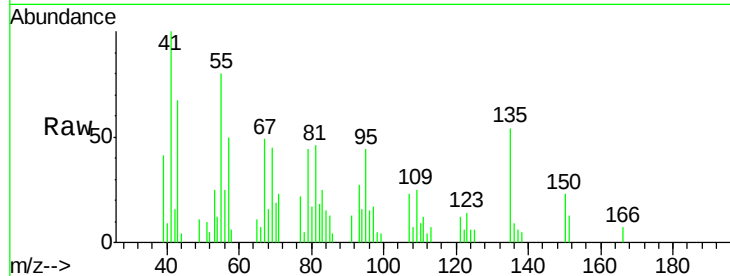




#32
Benzoic acid
Concen: 5.95 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.05 min
Lab File: BF087323.D
Acq: 24 May 2016 4:30

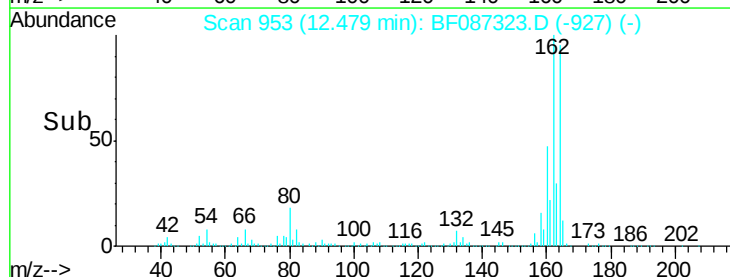
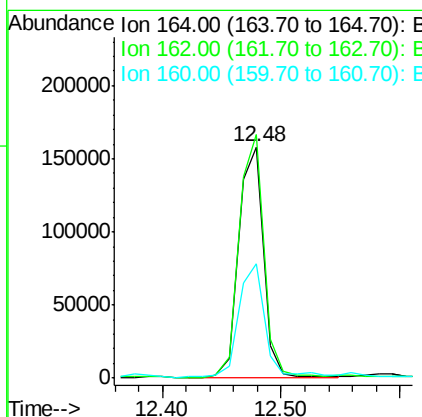
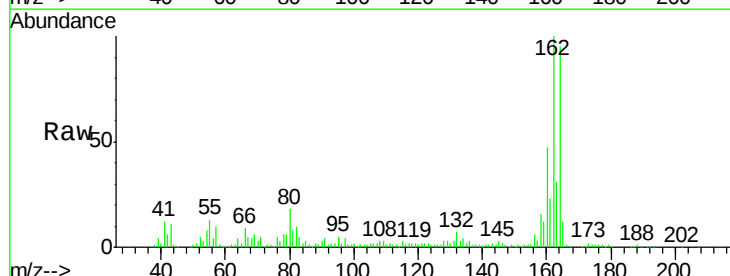
Instrument :
BNA_F
ClientSampleId :
MW104

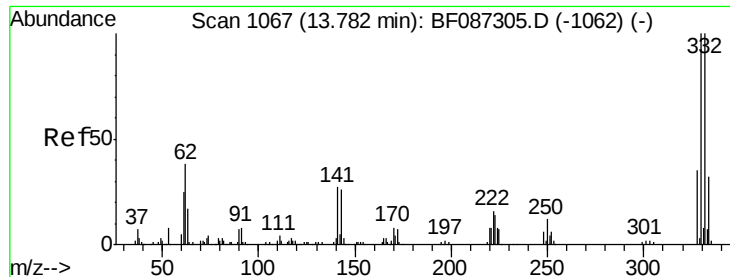
Tgt Ion:122 Resp: 535
Ion Ratio Lower Upper
122 100
105 0.0 92.6 132.6#
77 396.1 60.0 100.0#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF087323.D
Acq: 24 May 2016 4:30

Tgt Ion:164 Resp: 229556
Ion Ratio Lower Upper
164 100
162 105.4 82.8 124.2
160 49.6 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 148.75 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

Instrument :

BNA_F

ClientSampleId :

MW104

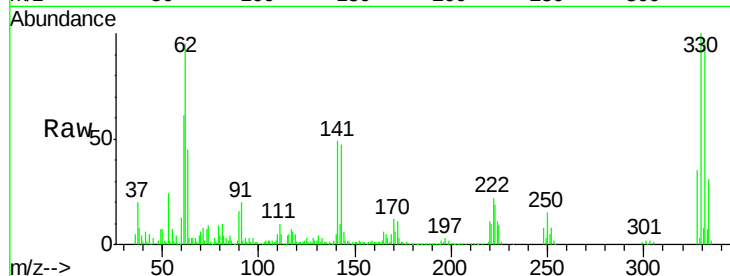
Tgt Ion:330 Resp: 328144

Ion Ratio Lower Upper

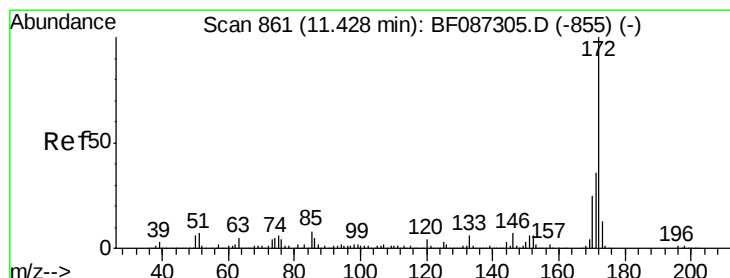
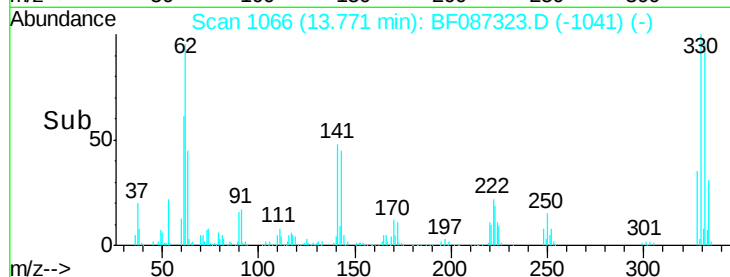
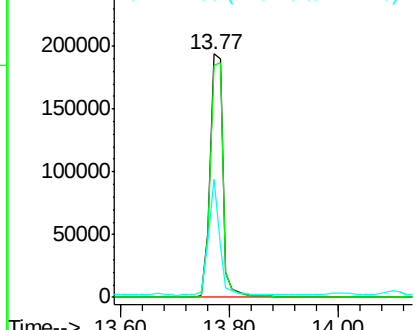
330 100

332 96.7 79.0 118.4

141 40.5 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: 95.34 ng

RT: 11.43 min Scan# 861

Delta R.T. -0.00 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

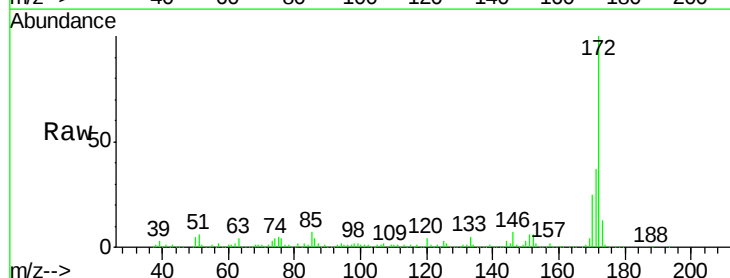
Tgt Ion:172 Resp: 1552456

Ion Ratio Lower Upper

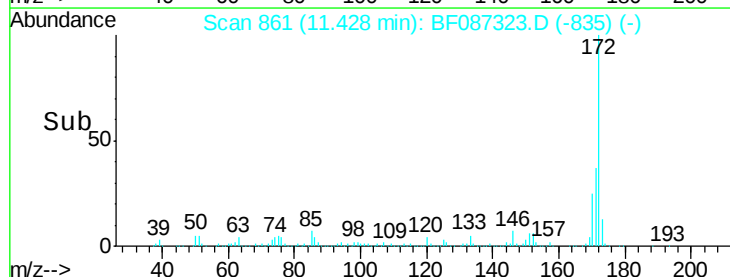
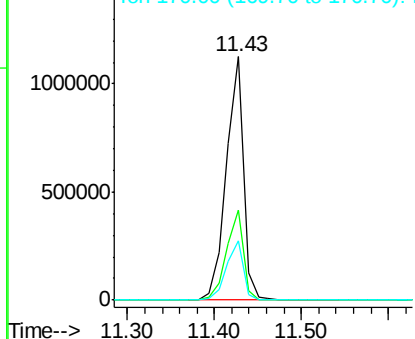
172 100

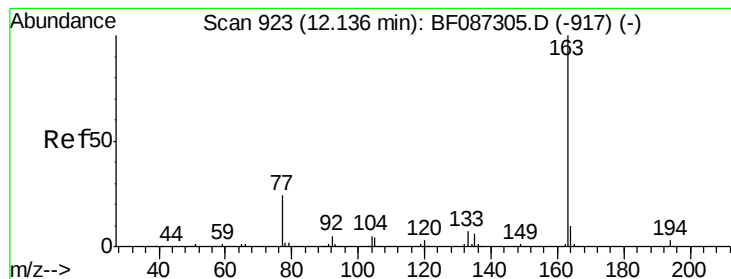
171 37.1 29.0 43.6

170 24.5 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





#49

Dimethylphthalate

Concen: 3.34 ng

RT: 12.11 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

Instrument :

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ClientSampleId :

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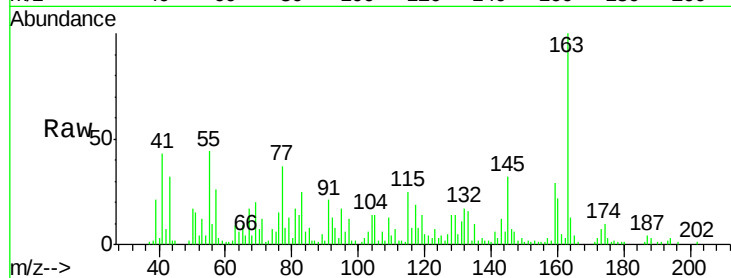
Tgt Ion:163 Resp: 61448

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

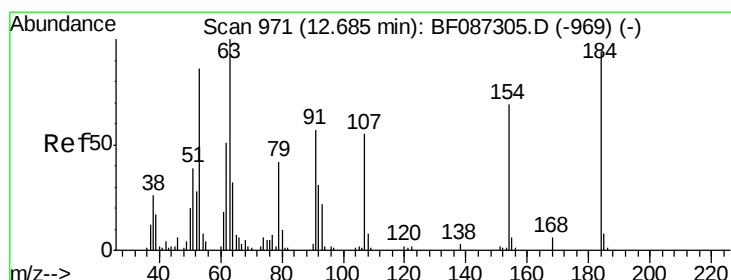
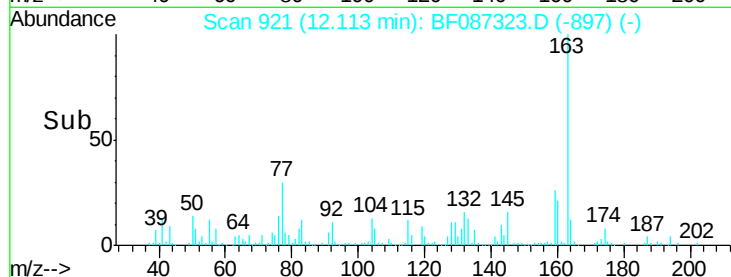
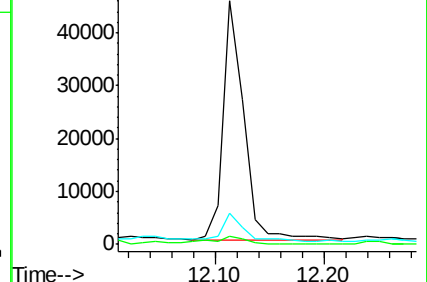
164 12.7 8.2 12.4#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 7.10 ng

RT: 12.76 min Scan# 978

Delta R.T. 0.08 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

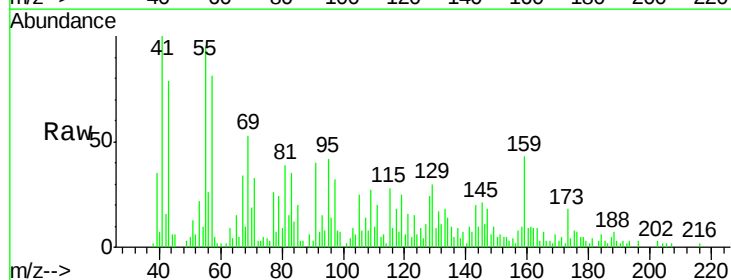
Tgt Ion:184 Resp: 1138

Ion Ratio Lower Upper

184 100

63 164.0 55.8 83.8#

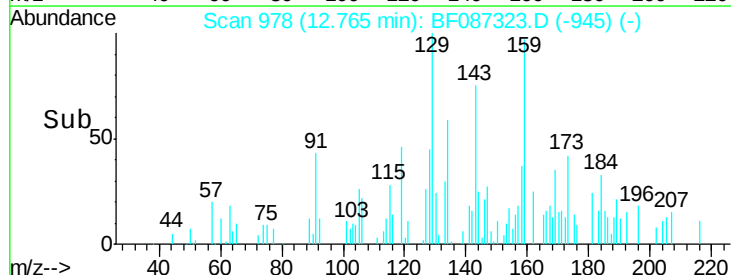
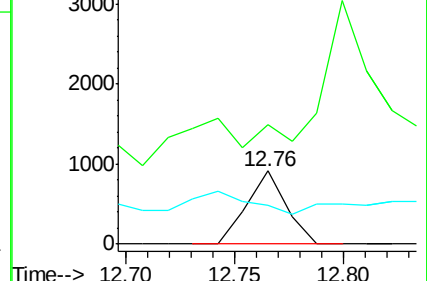
154 53.1 62.4 93.6#

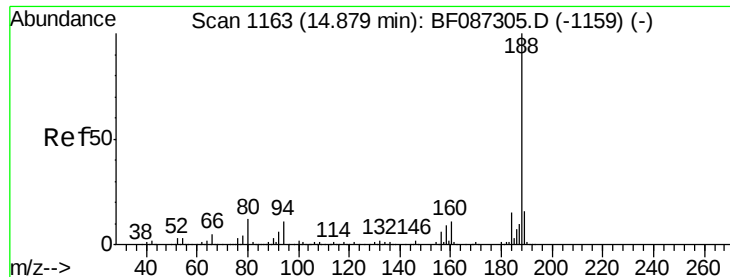


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

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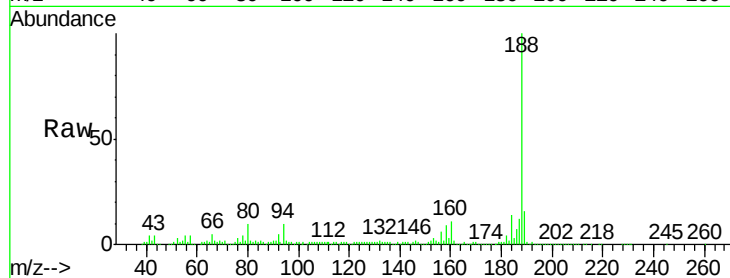
Tgt Ion:188 Resp: 412460

Ion Ratio Lower Upper

188 100

94 9.7 6.8 10.2

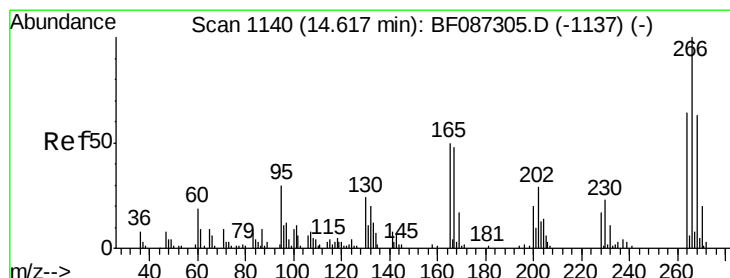
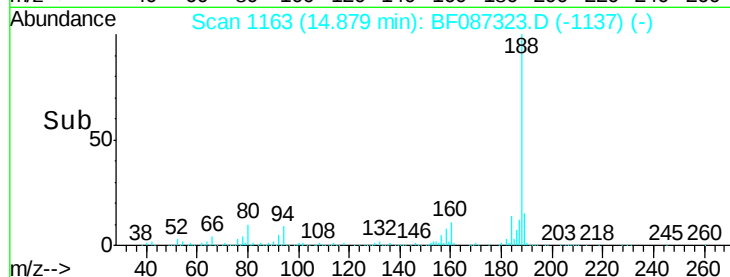
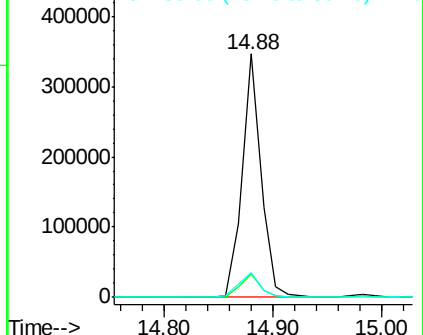
80 10.3 7.1 10.7



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



#69

Pentachlorophenol

Concen: 6.54 ng

RT: 14.64 min Scan# 1142

Delta R.T. 0.02 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

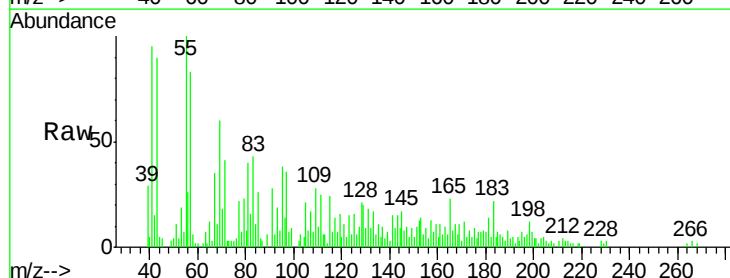
Tgt Ion:266 Resp: 576

Ion Ratio Lower Upper

266 100

268 61.8 51.5 77.3

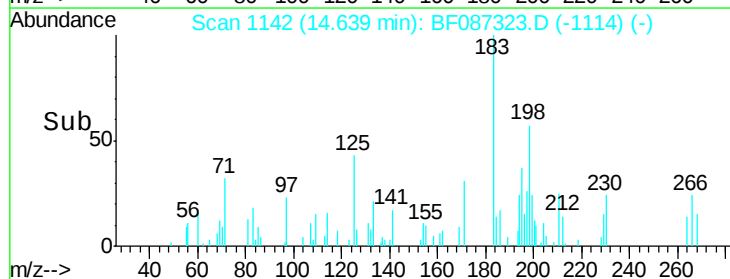
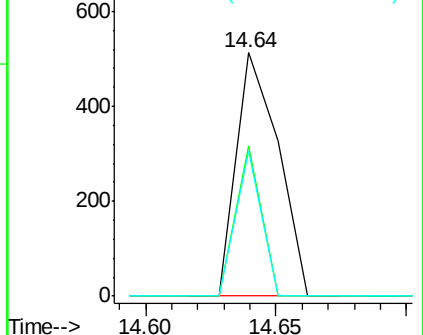
264 59.5 52.9 79.3

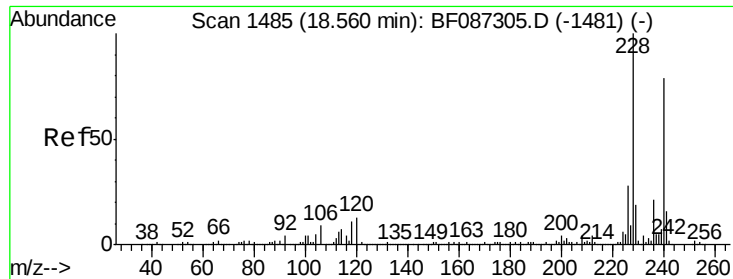


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.56 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

Instrument :

BNA_F

ClientSampleId :

MW104

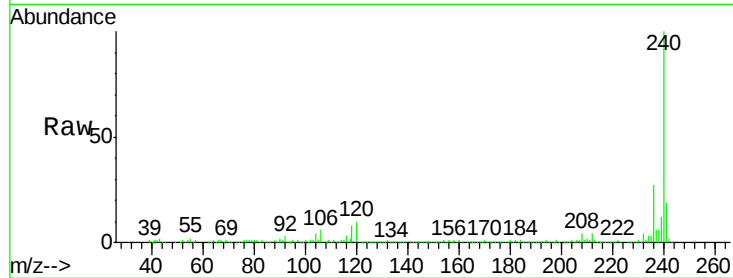
Tgt Ion:240 Resp: 330780

Ion Ratio Lower Upper

240 100

120 9.5 11.2 16.8#

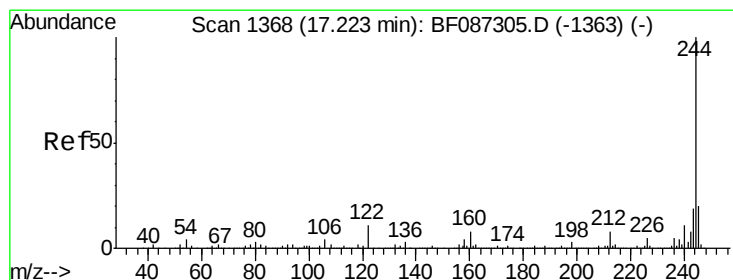
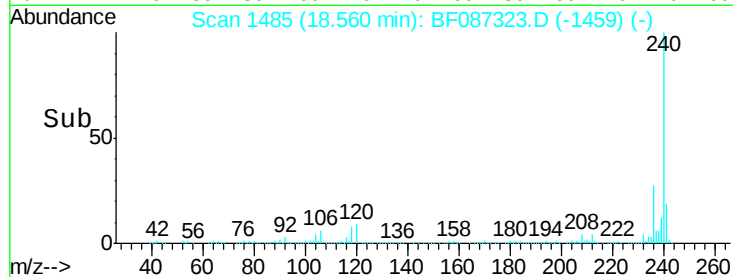
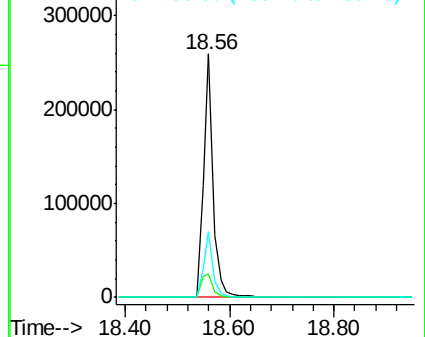
236 26.7 21.2 31.8



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: 90.46 ng

RT: 17.22 min Scan# 1368

Delta R.T. -0.00 min

Lab File: BF087323.D

Acq: 24 May 2016 4:30

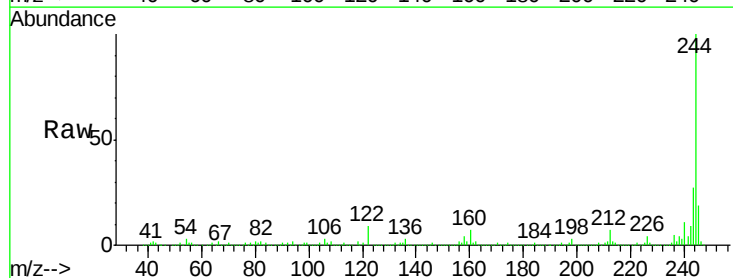
Tgt Ion:244 Resp: 1407436

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

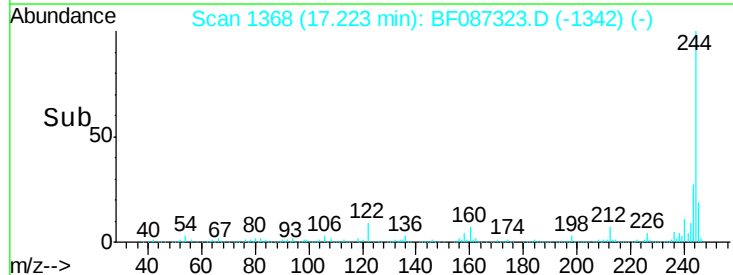
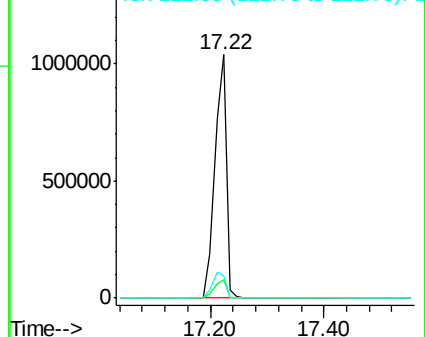
122 9.0 12.0 18.0#

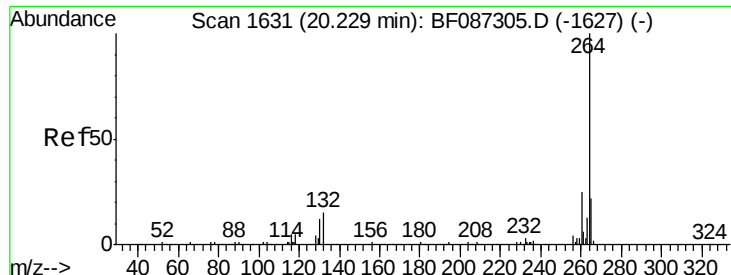


Abundance Ion 244.00 (243.70 to 244.70): E

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: 20.23 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BF087323.D
Acq: 24 May 2016 4:30

Instrument :
BNA_F
ClientSampleId :
MW104

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	20.4	17.3	25.9

