

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060517\
 Data File : BF095697.D
 Acq On : 6 Jun 2017 4:02
 Operator : SJ/MA
 Sample : I3444-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 06:44:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

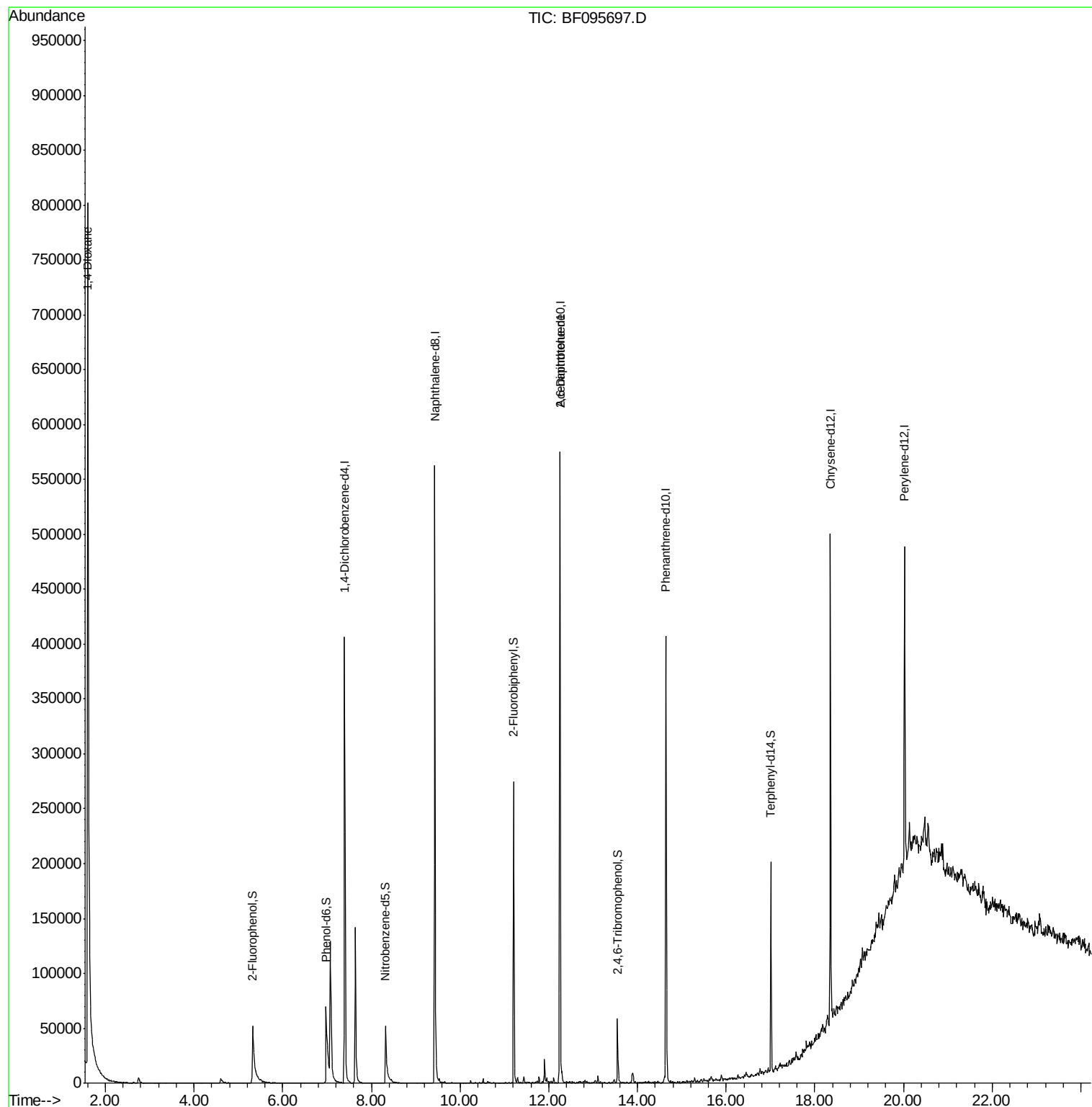
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	103287	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	371536	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	160847	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	214917	20.00	ng	0.00
75) Chrysene-d12	18.35	240	179515	20.00	ng	0.00
86) Perylene-d12	20.02	264	122416	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	63590	9.81	ng	0.03
7) Phenol-d6	6.98	99	87576	11.29	ng	0.02
23) Nitrobenzene-d5	8.32	82	43719	7.31	ng	0.00
41) 2,4,6-Tribromophenol	13.55	330	12699	8.92	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	116657	10.09	ng	0.00
78) Terphenyl-d14	17.01	244	66642	9.21	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.60	88	40463	13.12	ng	# 22
50) 2,6-Dinitrotoluene	12.25	165	20099	7.55	ng	# 31

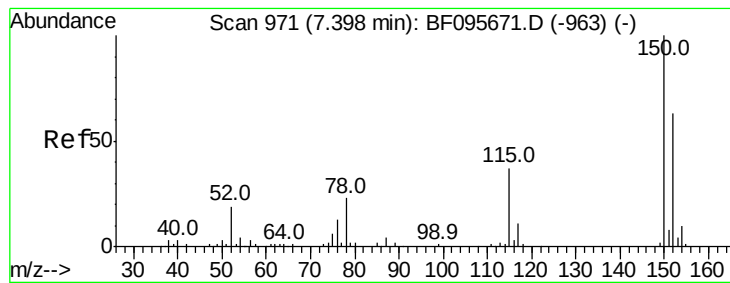
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.40 min Scan# 996

Delta R.T. -0.00 min

Lab File: BF095697.D

Acq: 6 Jun 2017 4:02

Instrument :

BNA_F

ClientSampleId :

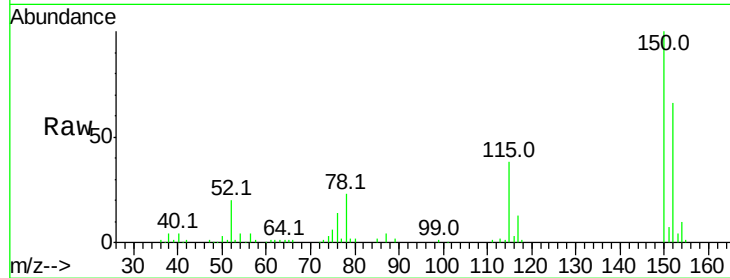
Tot Ion:152 Resp: 103287

Ion Ratio Lower Upper

152 100

150 152.4 126.2 189.2

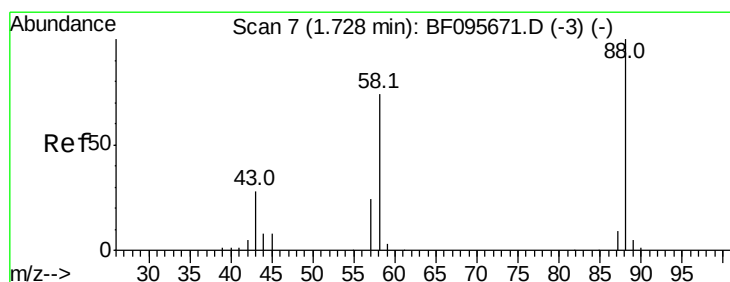
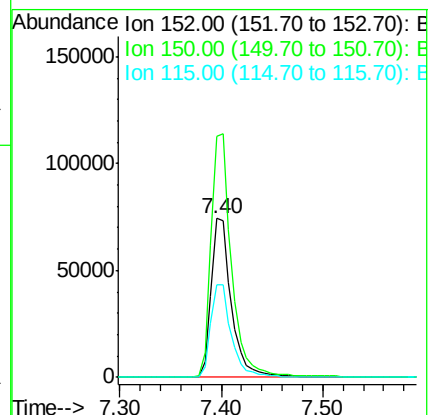
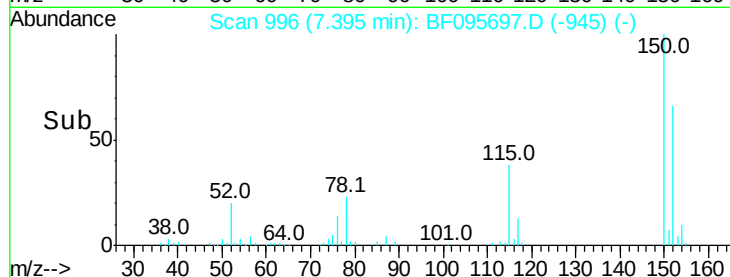
115 58.0 52.2 78.2



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: 13.12 ng

RT: 1.60 min Scan# 11

Delta R.T. -0.13 min

Lab File: BF095697.D

Acq: 6 Jun 2017 4:02

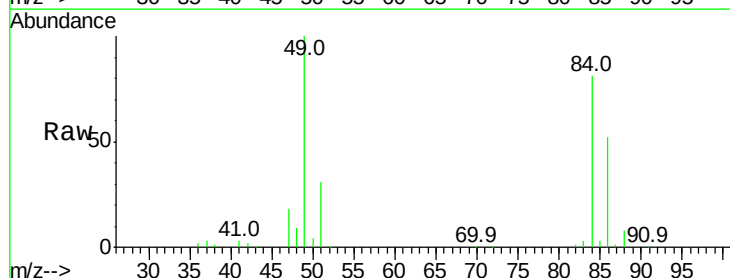
Tgt Ion: 88 Resp: 40463

Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

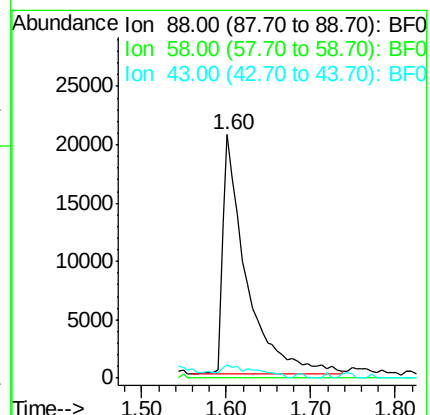
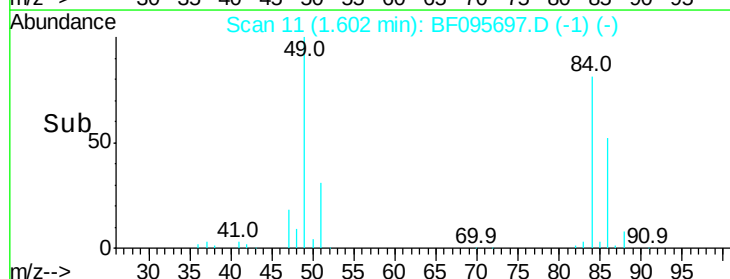
43 1.9 23.4 35.0#

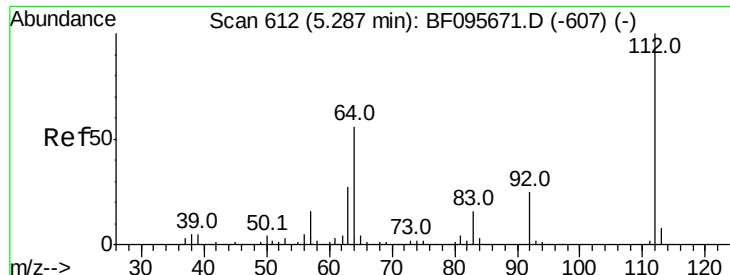


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 9.81 ng

RT: 5.32 min Scan# 643

Delta R.T. 0.03 min

Lab File: BF095697.D

Acq: 6 Jun 2017 4:02

Instrument :

BNA_F

ClientSampled :

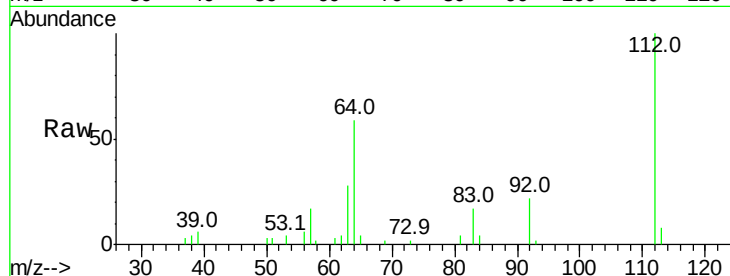
Tot Ion:112 Resp: 63590

Ion Ratio Lower Upper

112 100

64 58.9 46.0 69.0

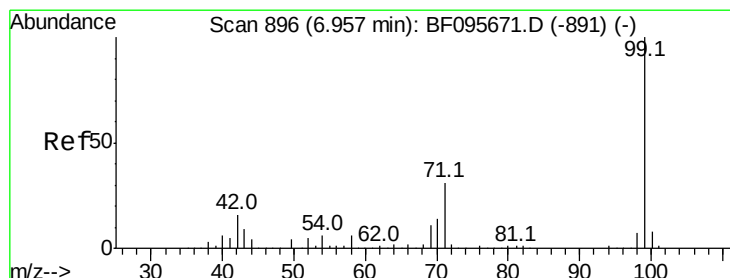
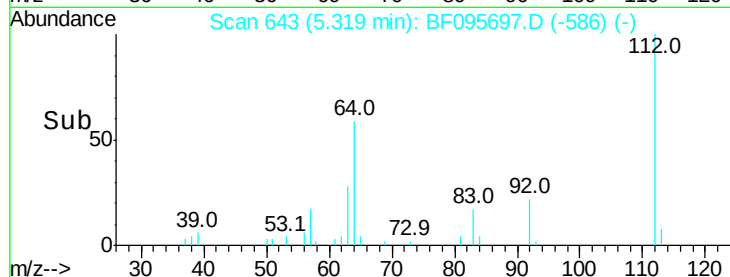
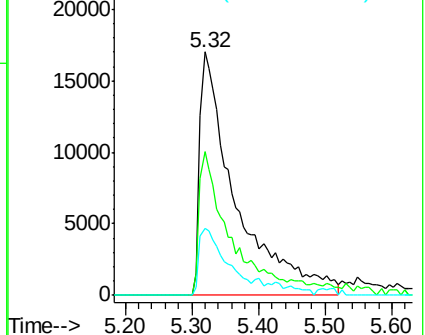
63 27.6 23.4 35.0



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: 11.29 ng

RT: 6.98 min Scan# 925

Delta R.T. 0.02 min

Lab File: BF095697.D

Acq: 6 Jun 2017 4:02

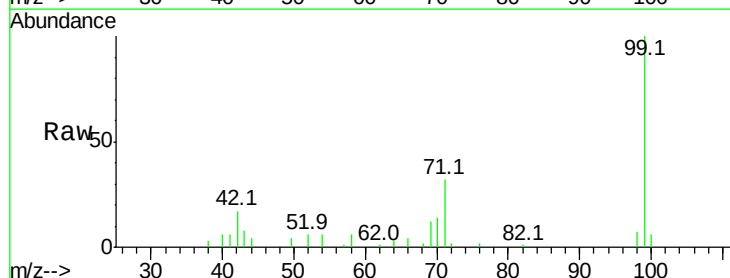
Tgt Ion: 99 Resp: 87576

Ion Ratio Lower Upper

99 100

42 17.2 13.5 20.3

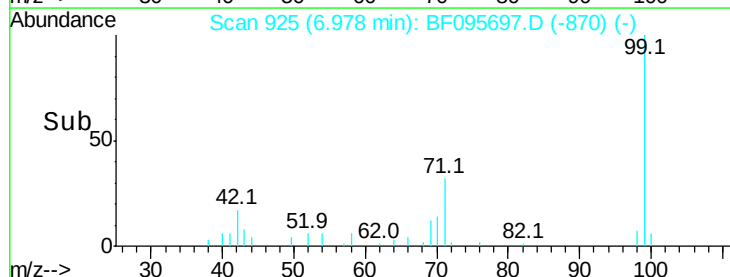
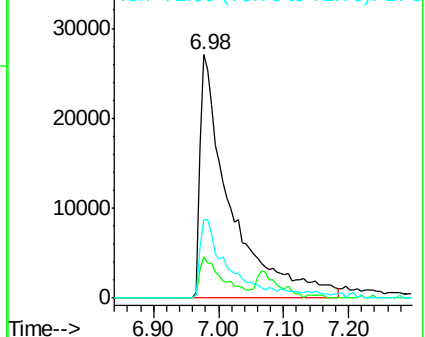
71 32.3 24.5 36.7

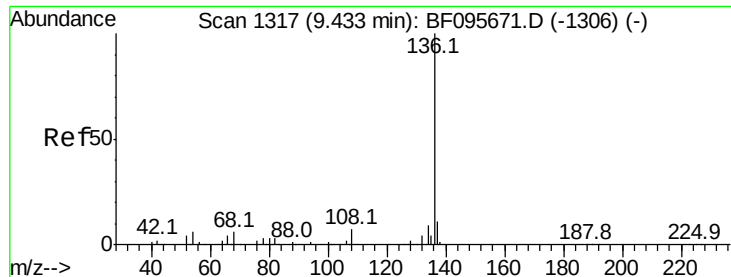


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

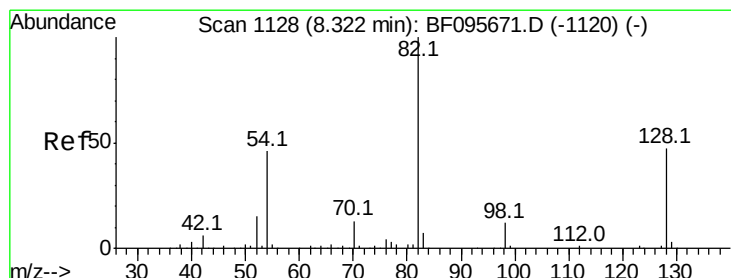
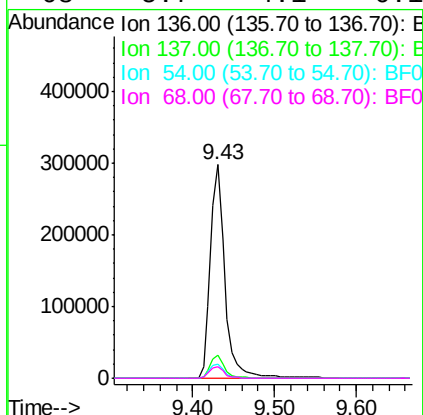
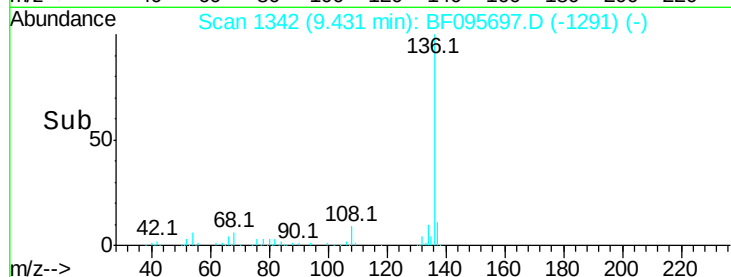
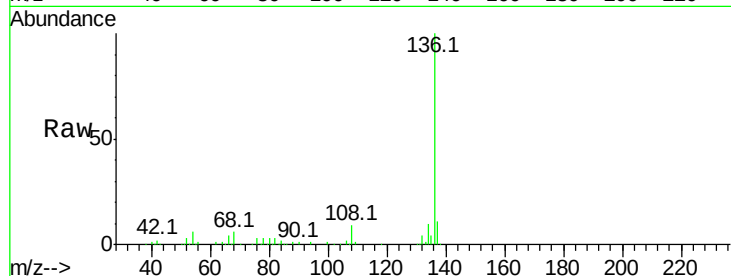




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.43 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF095697.D
Acq: 6 Jun 2017 4:02

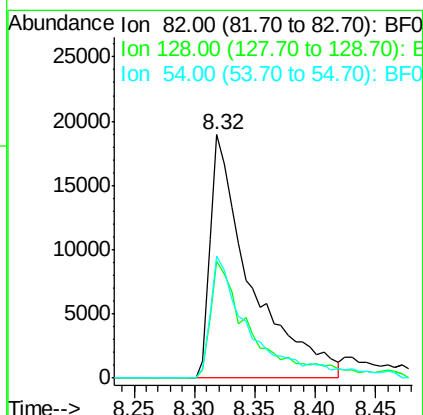
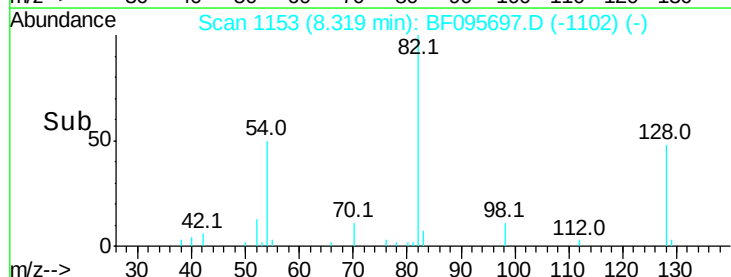
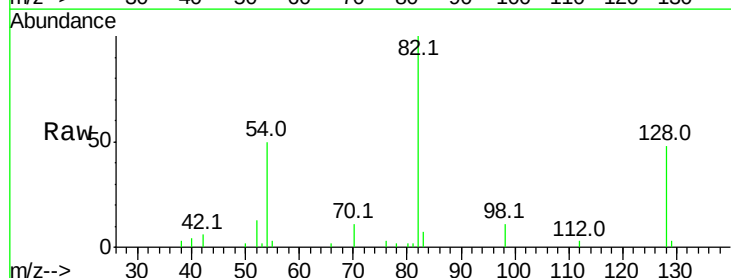
Instrument :
BNA_F
ClientSampleId :

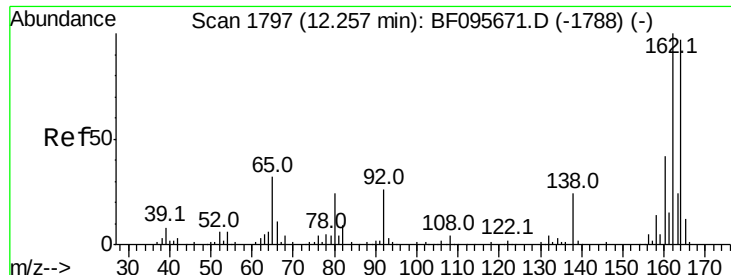
Tot Ion:136	Resp:	371536
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.5 12.7
54	6.4	4.9 7.3
68	5.7	4.1 6.1



#23
Nitrobenzene-d5
Concen: 7.31 ng
RT: 8.32 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF095697.D
Acq: 6 Jun 2017 4:02

Tgt Ion: 82	Resp:	43719
Ion	Ratio	Lower Upper
82	100	
128	47.8	34.0 51.0
54	50.3	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.25 min Scan# 1822

Delta R.T. -0.00 min

Lab File: BF095697.D

Acq: 6 Jun 2017 4:02

Instrument :

BNA_F

ClientSampleId :

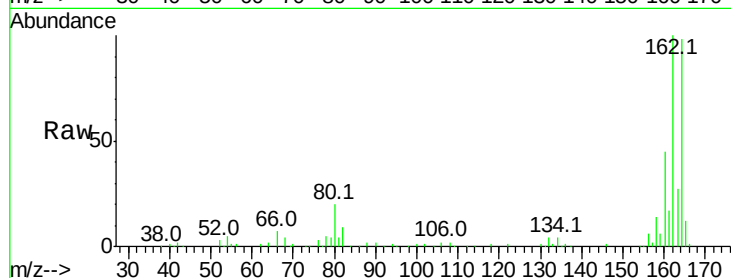
Tot Ion:164 Resp: 160847

Ion Ratio Lower Upper

164 100

162 102.0 82.6 123.8

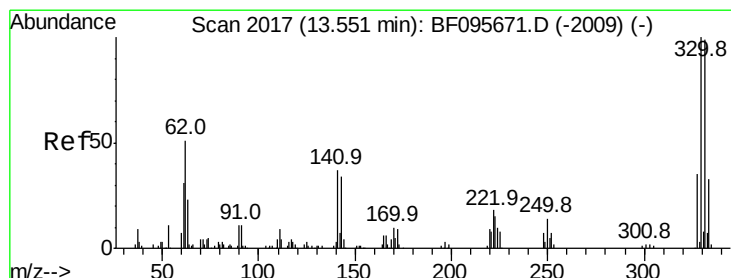
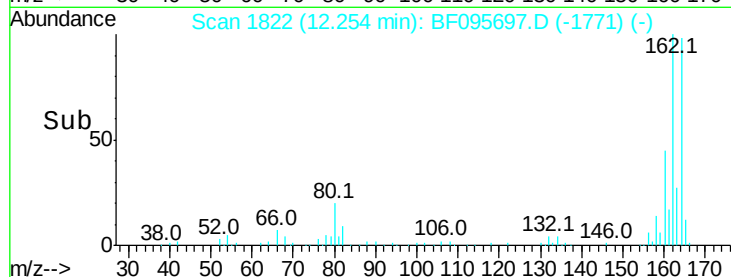
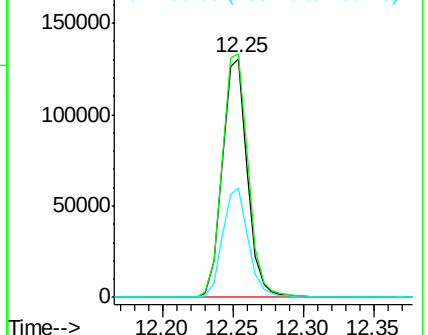
160 45.9 36.2 54.2



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: 8.92 ng

RT: 13.55 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BF095697.D

Acq: 6 Jun 2017 4:02

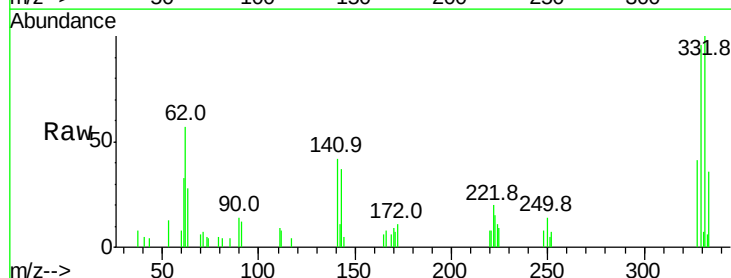
Tgt Ion:330 Resp: 12699

Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

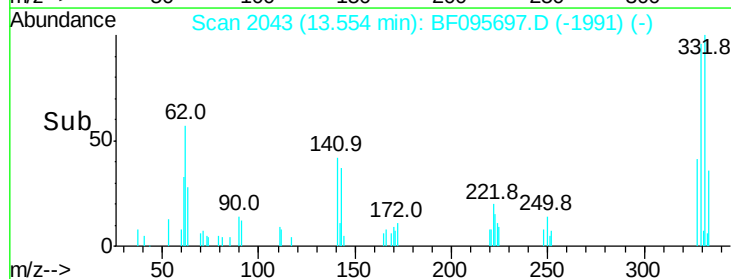
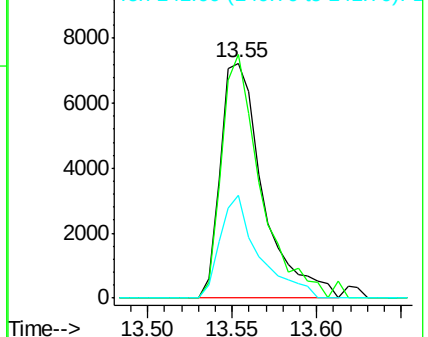
141 39.8 31.4 47.2

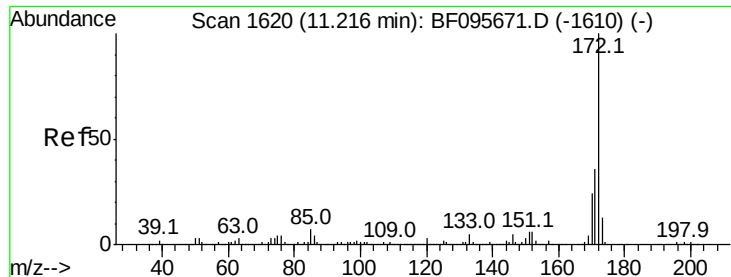


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

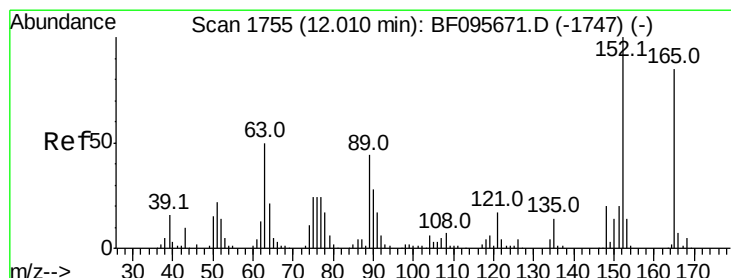
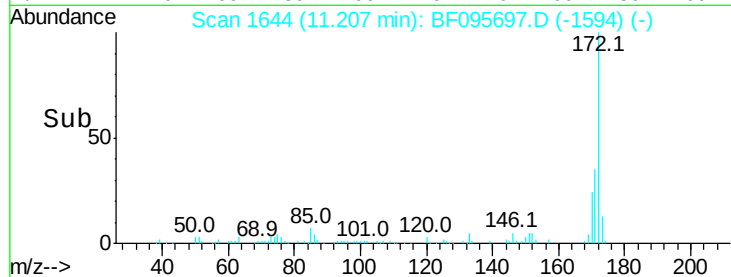
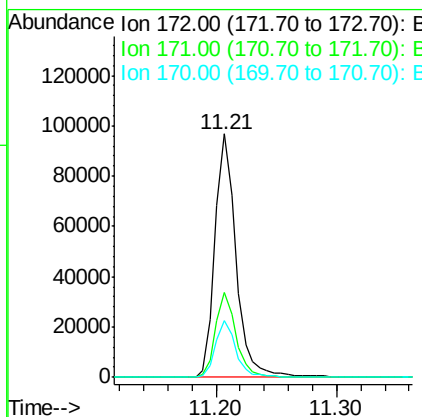
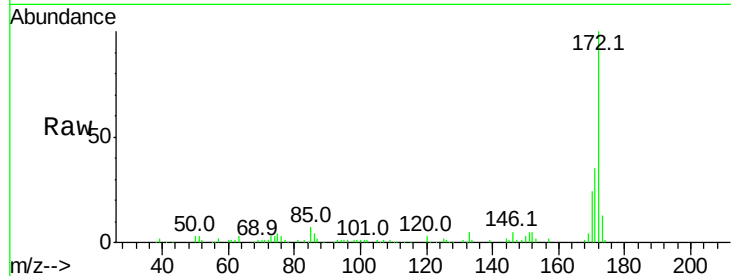




#44
2-Fluorobiphenyl
Concen: 10.09 ng
RT: 11.21 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BF095697.D
Acq: 6 Jun 2017 4:02

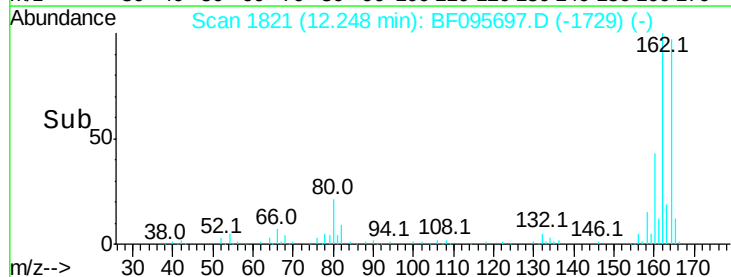
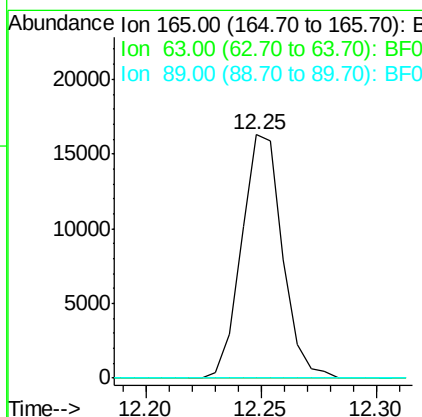
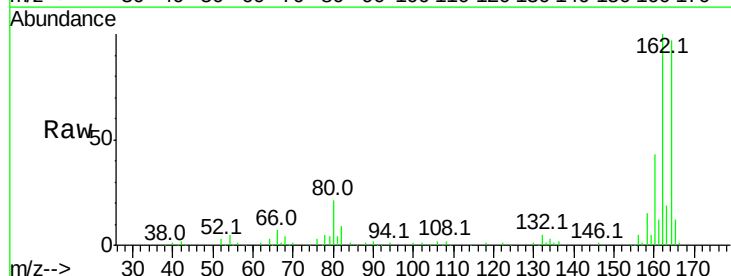
Instrument :
BNA_F
ClientSampleId :

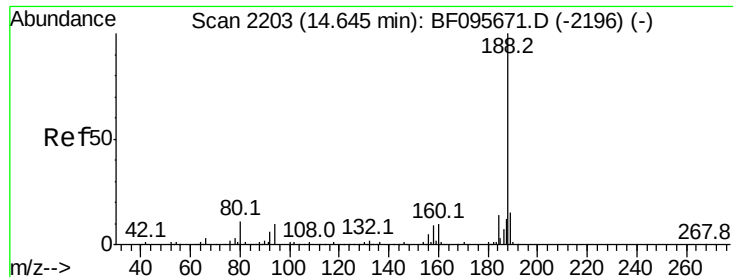
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	23.5	19.8	29.8



#50
2,6-Dinitrotoluene
Concen: 7.55 ng
RT: 12.25 min Scan# 1821
Delta R.T. 0.24 min
Lab File: BF095697.D
Acq: 6 Jun 2017 4:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#

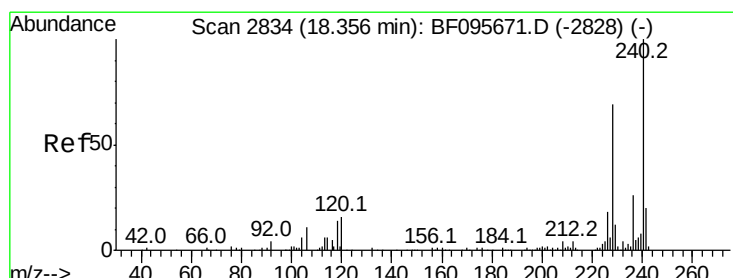
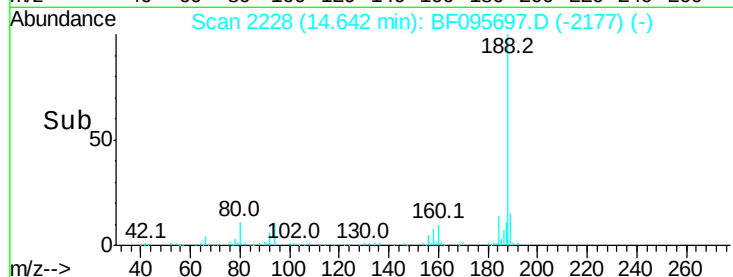
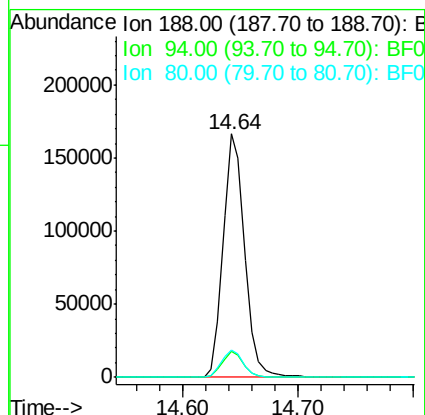
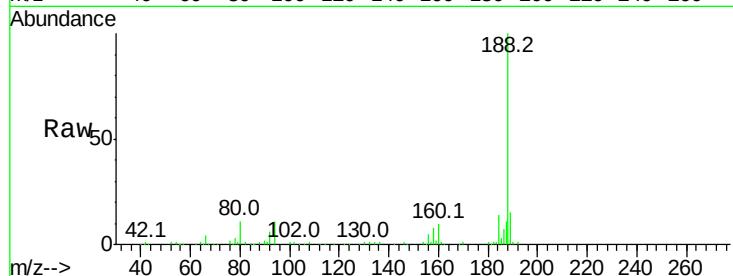




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095697.D
Acq: 6 Jun 2017 4:02

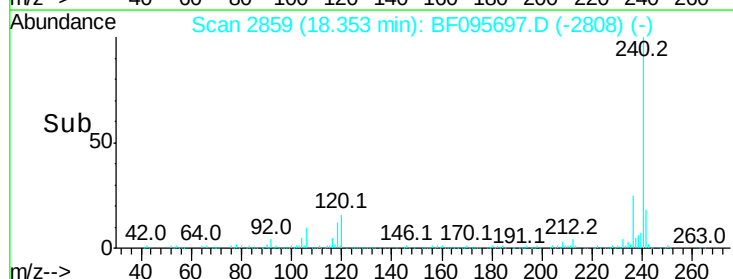
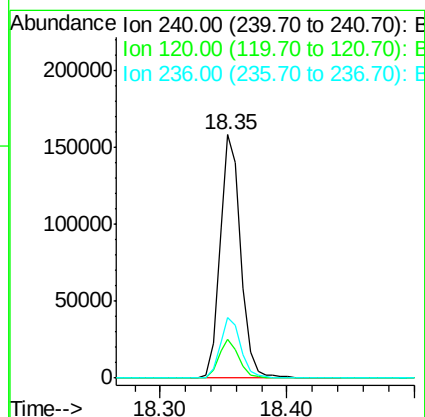
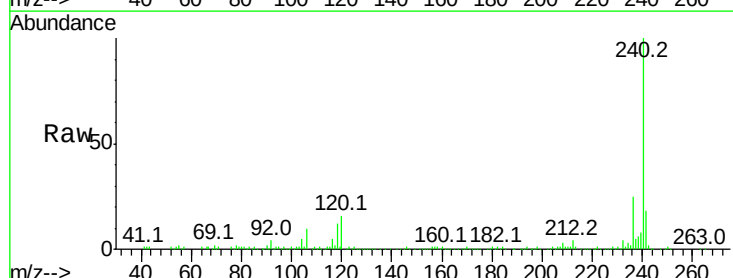
Instrument :
BNA_F
ClientSampleId :

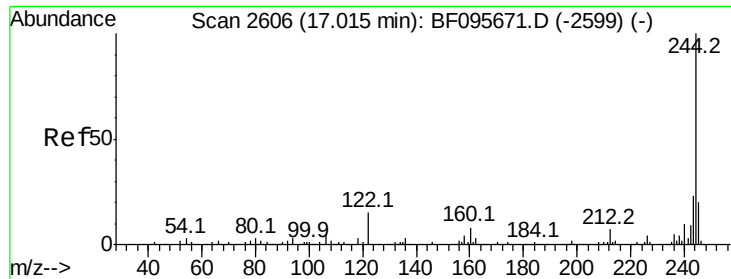
Tot Ion:188 Resp: 214917
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 11.1 10.2 15.2



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.35 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BF095697.D
Acq: 6 Jun 2017 4:02

Tgt Ion:240 Resp: 179515
Ion Ratio Lower Upper
240 100
120 15.7 5.8 8.8#
236 24.9 20.5 30.7

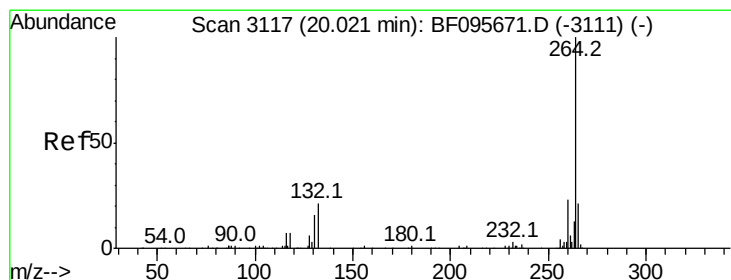
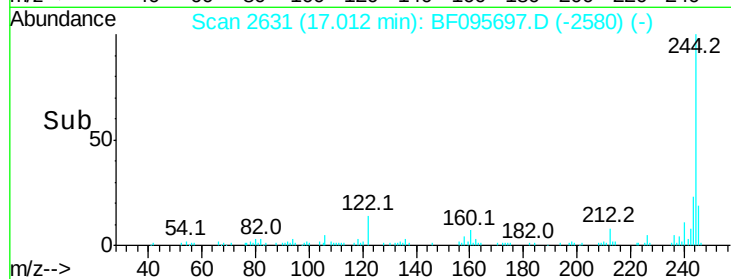
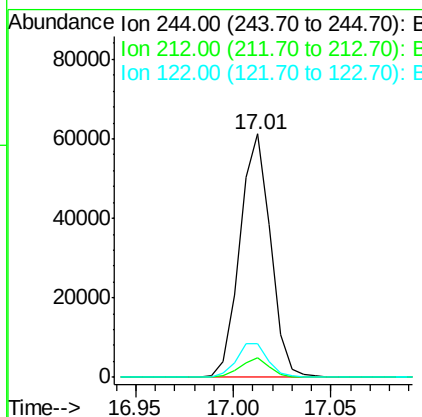
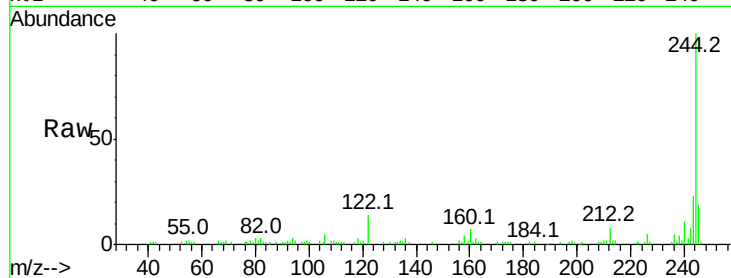




#78
 Terphenyl-d14
 Concen: 9.21 ng
 RT: 17.01 min Scan# 2631
 Delta R.T. -0.00 min
 Lab File: BF095697.D
 Acq: 6 Jun 2017 4:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 66642
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 13.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 3143
 Delta R.T. 0.00 min
 Lab File: BF095697.D
 Acq: 6 Jun 2017 4:02

Tgt Ion:264 Resp: 122416
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 20.8 17.2 25.8

