

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095051.D
 Acq On : 10 May 2017 7:51
 Operator : SJ/MA
 Sample : I3027-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-8-9-COMP

Quant Time: May 10 08:25:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

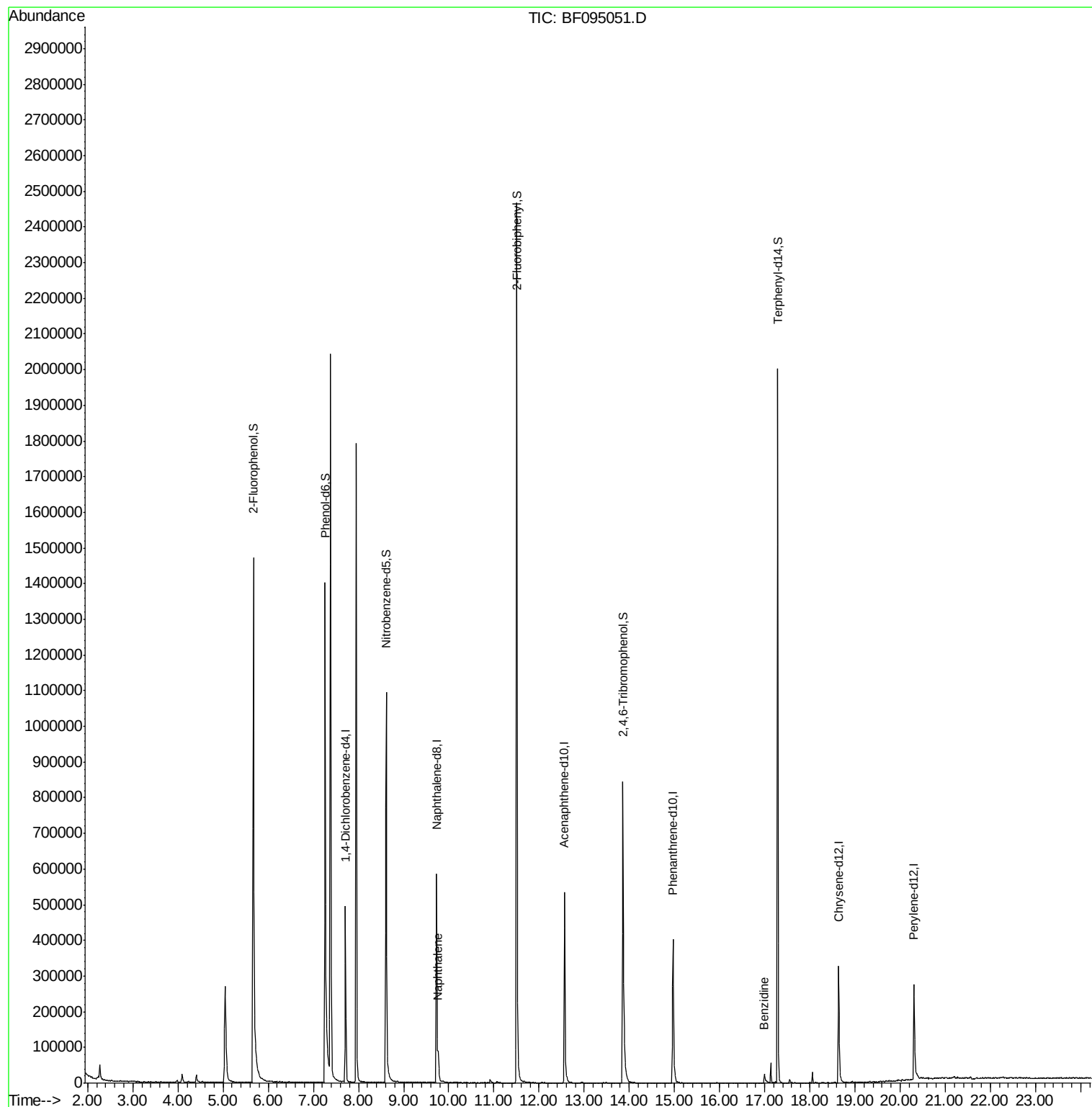
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	102088	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	410338	20.00	ng	-0.02
38) Acenaphthene-d10	12.57	164	178174	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	285402	20.00	ng	-0.02
75) Chrysene-d12	18.64	240	189511	20.00	ng	-0.02
86) Perylene-d12	20.31	264	172319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	793379	129.57	ng	0.00
7) Phenol-d6	7.26	99	895677	121.91	ng	-0.02
23) Nitrobenzene-d5	8.61	82	570121	87.61	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	190747	130.72	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1203754	97.24	ng	-0.02
78) Terphenyl-d14	17.29	244	792728	92.13	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.77	128	67417	3.27	ng	99
76) Benzidine	16.99	184	34977	12.48	ng	94

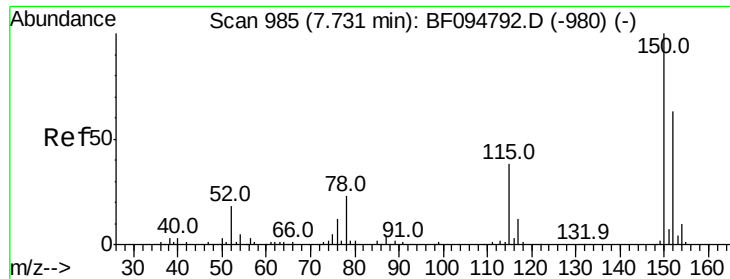
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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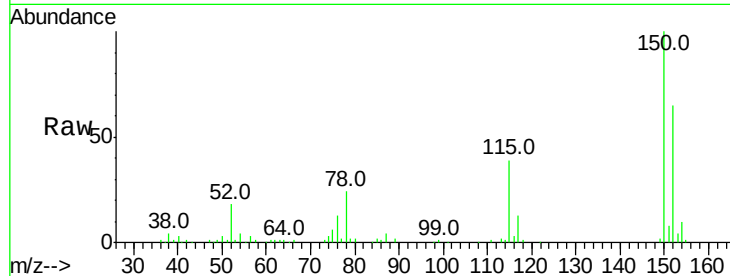


#1

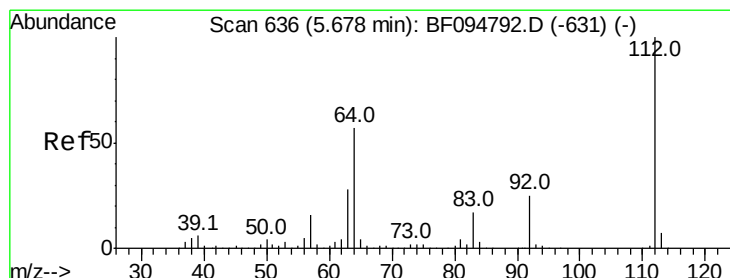
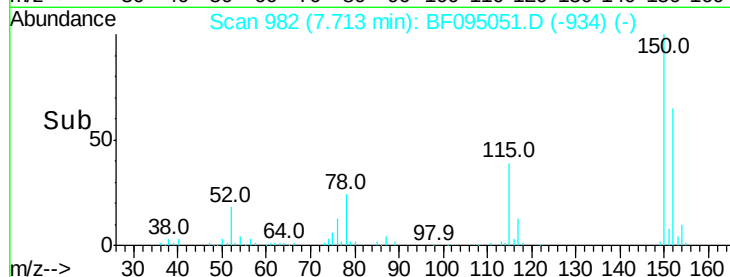
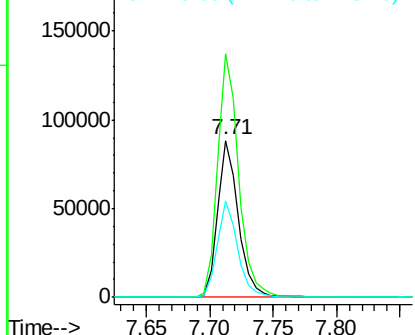
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095051.D
Acq: 10 May 2017 7:51

Instrument :
BNA_F
ClientSampleId :
TP-7-8-9-COMP

Tot Ion:152 Resp: 102088
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 61.1 52.2 78.2



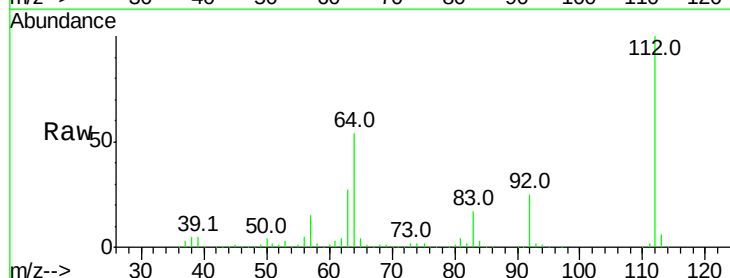
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



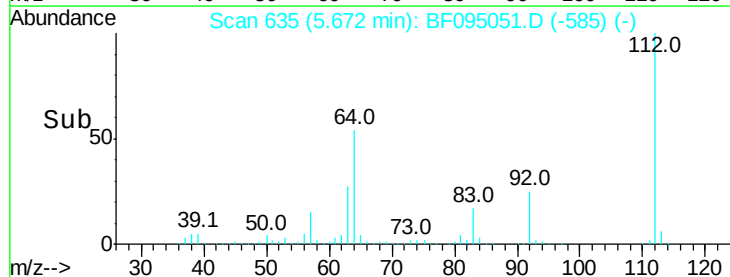
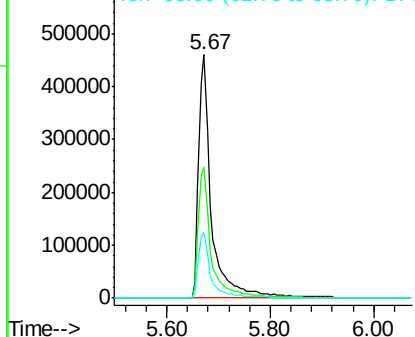
#5

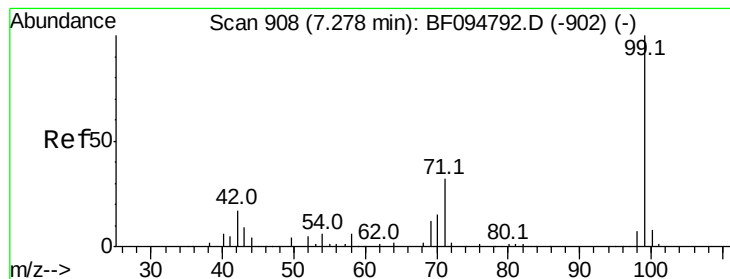
2-Fluorophenol
Concen: 129.57 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF095051.D
Acq: 10 May 2017 7:51

Tgt Ion:112 Resp: 793379
Ion Ratio Lower Upper
112 100
64 53.9 46.0 69.0
63 27.2 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: 121.91 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

TP-7-8-9-COMP

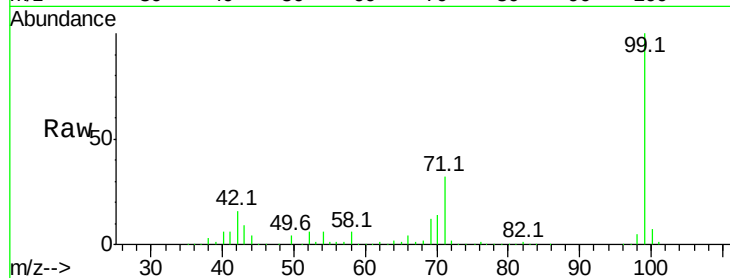
Tot Ion: 99 Resp: 895677

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

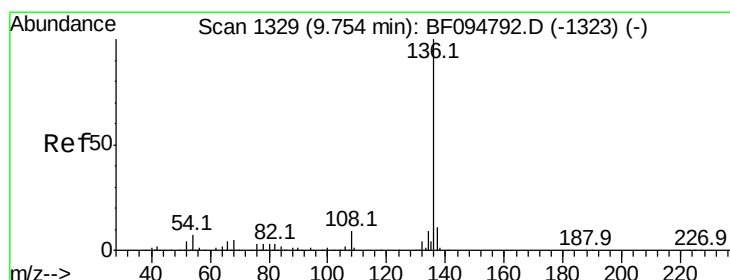
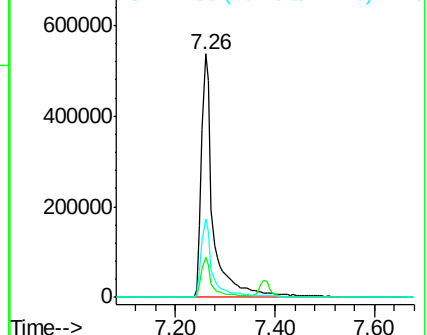
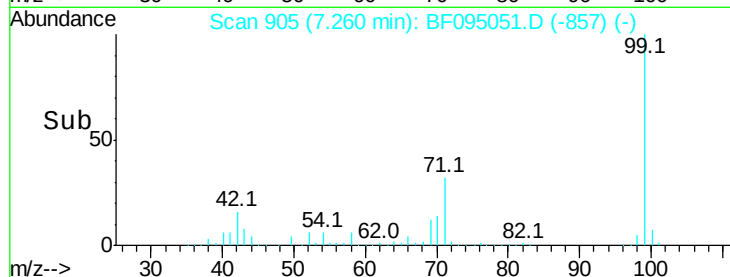
71 32.3 24.5 36.7



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: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Tgt Ion: 136 Resp: 410338

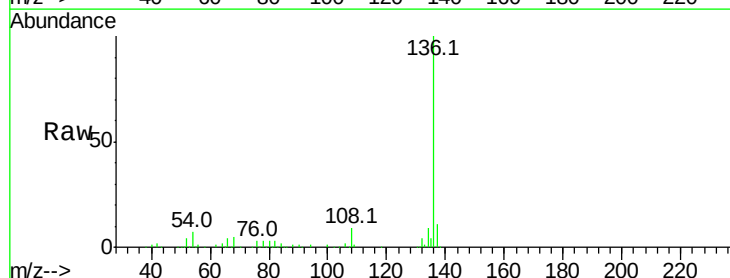
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 5.4 4.1 6.1

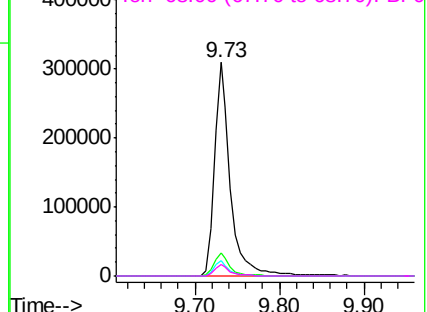
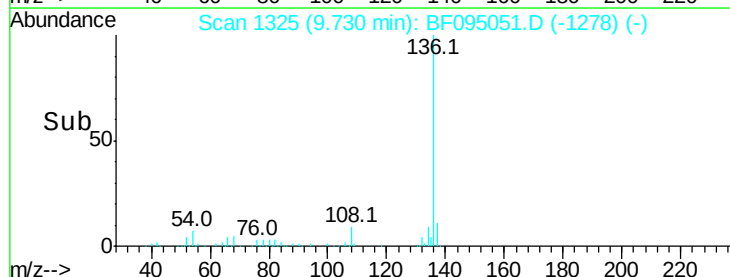


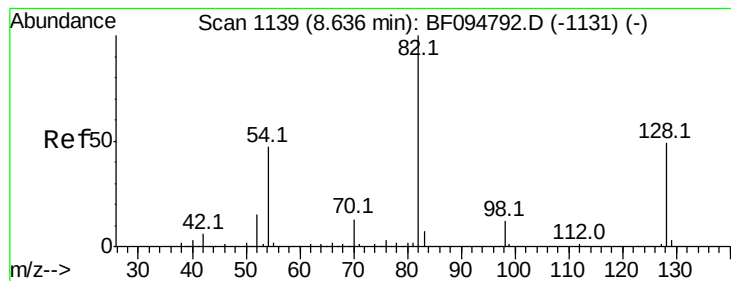
Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.61 ng

RT: 8.61 min Scan# 1135

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

TP-7-8-9-COMP

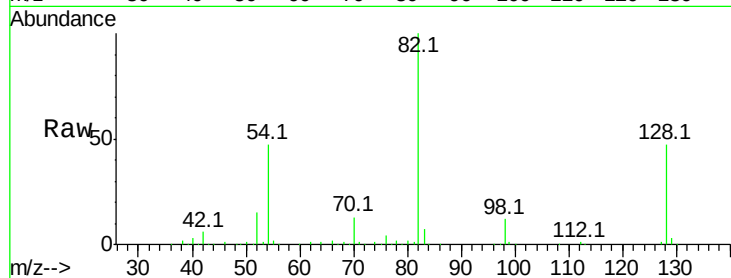
Tot Ion: 82 Resp: 570121

Ion Ratio Lower Upper

82 100

128 47.4 34.0 51.0

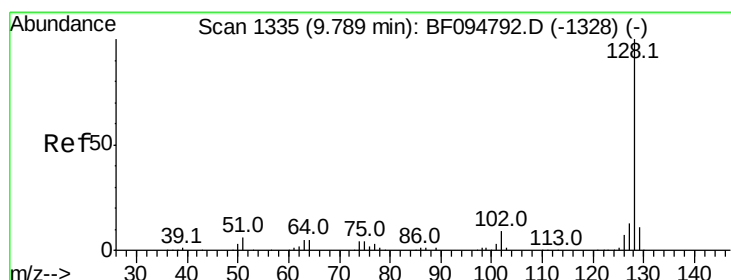
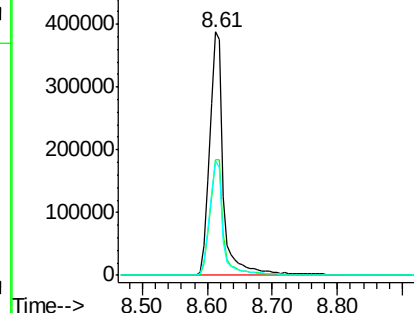
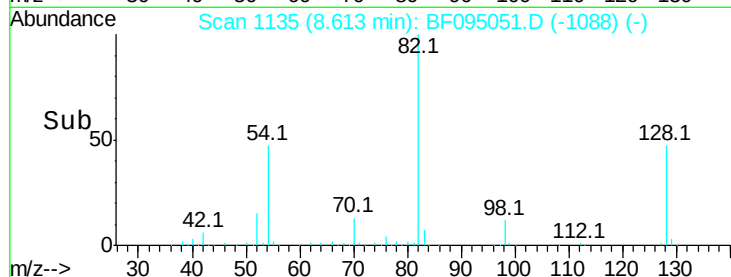
54 46.8 42.2 63.2



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: 3.27 ng

RT: 9.77 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

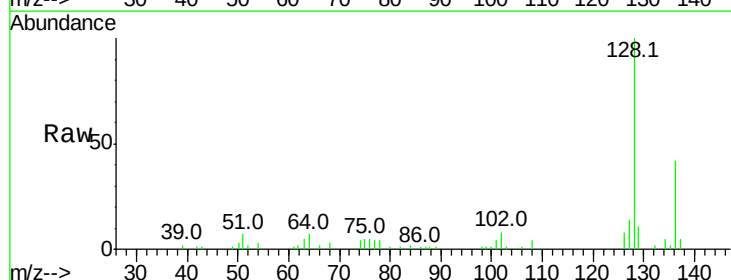
Tgt Ion: 128 Resp: 67417

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

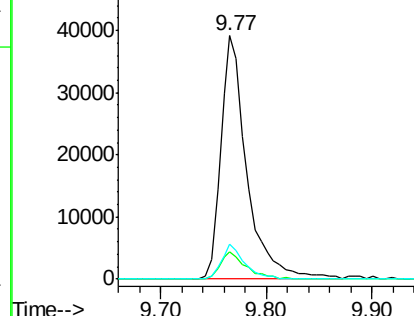
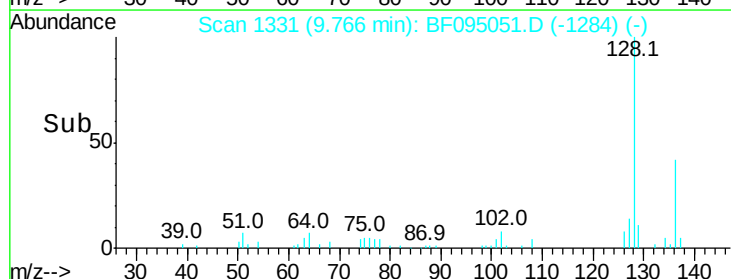
127 14.3 10.8 16.2

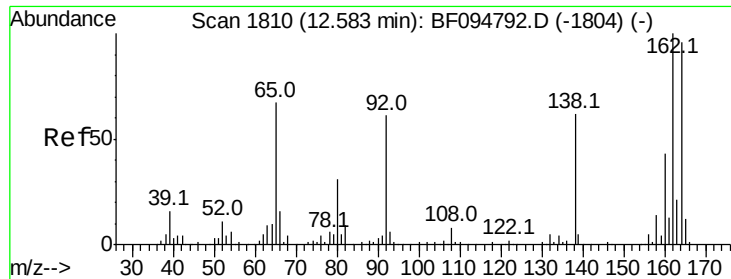


Abundance Ion 128.00 (127.70 to 128.70): E

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: 12.57 min Scan# 1807

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

TP-7-8-9-COMP

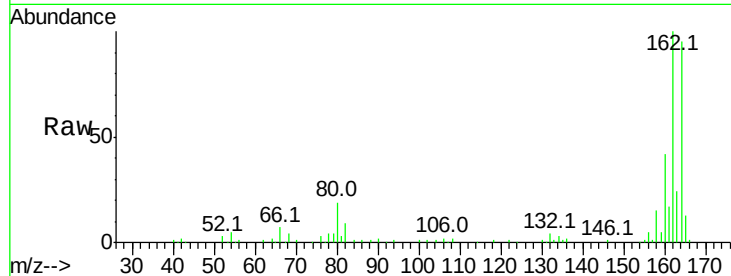
Tot Ion:164 Resp: 178174

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

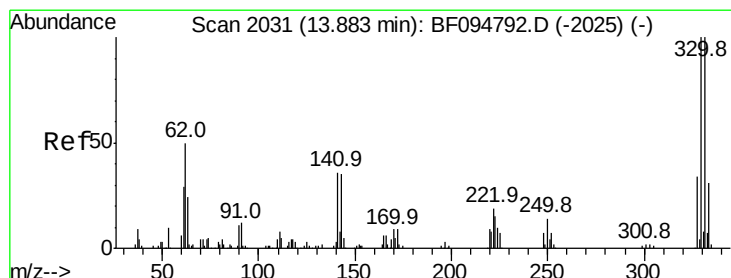
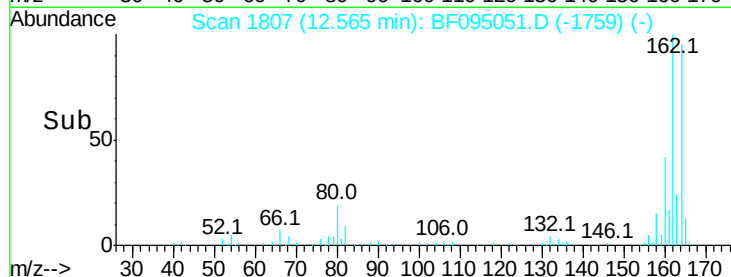
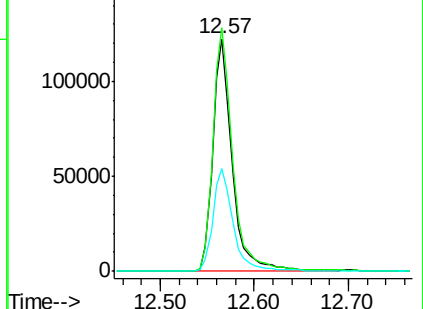
160 44.3 36.2 54.2



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: 130.72 ng

RT: 13.86 min Scan# 2027

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

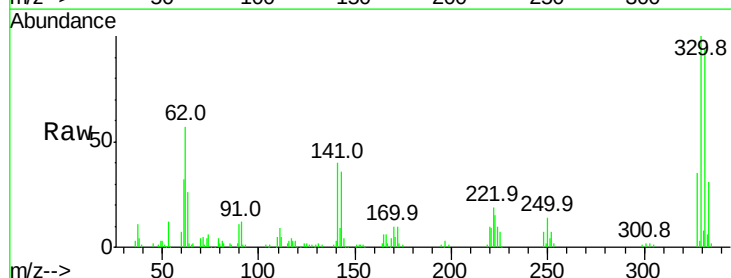
Tgt Ion:330 Resp: 190747

Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

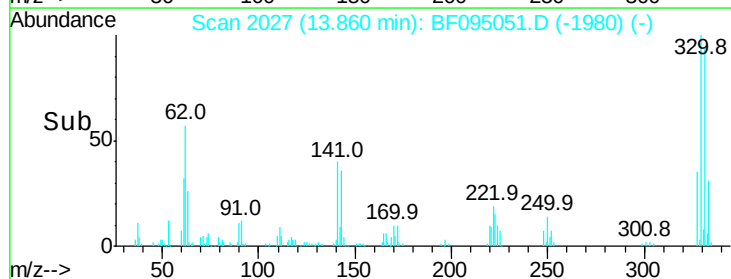
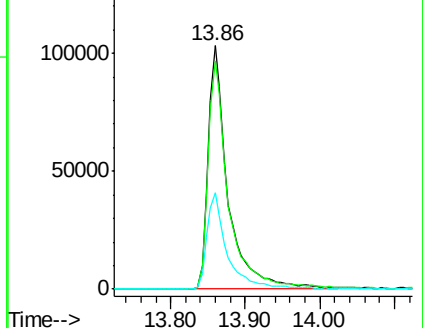
141 40.4 31.4 47.2

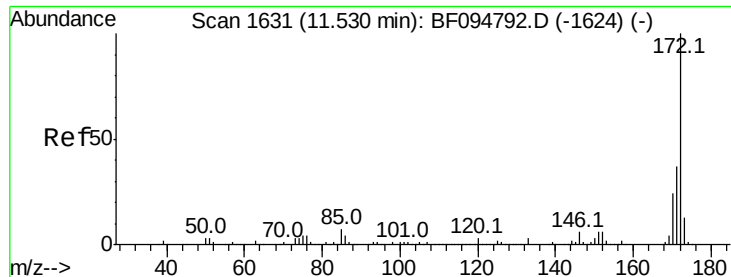


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



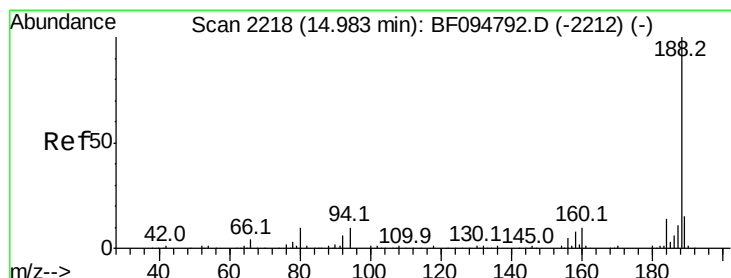
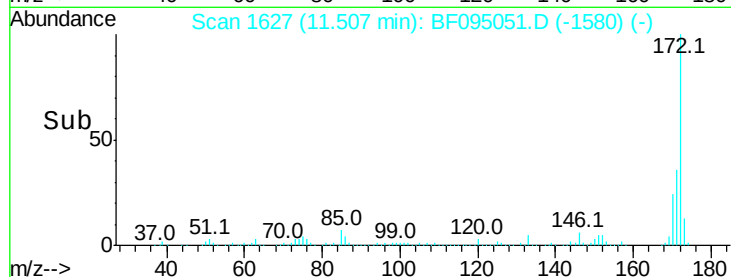
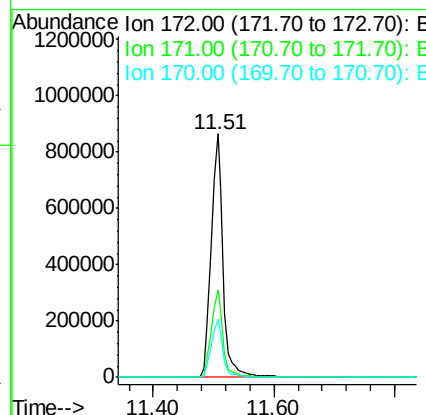
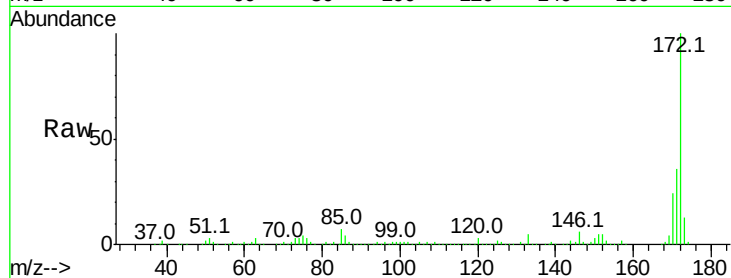


#44
 2-Fluorobiphenyl
 Concen: 97.24 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-8-9-COMP

Tot Ion:172 Resp: 1203754

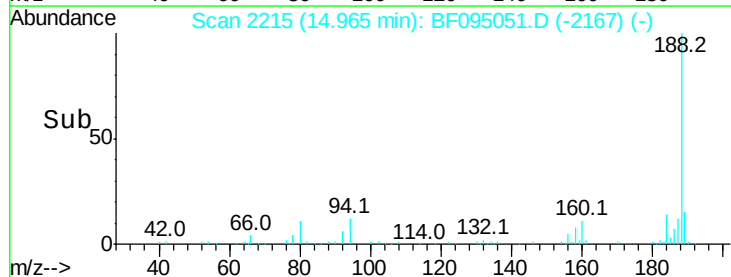
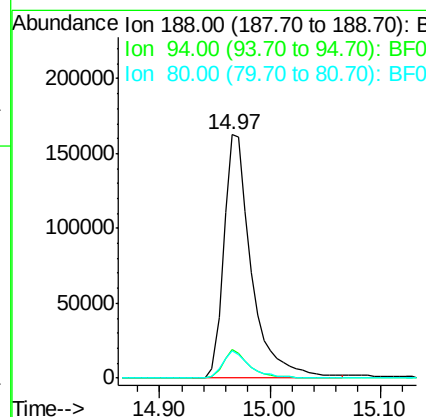
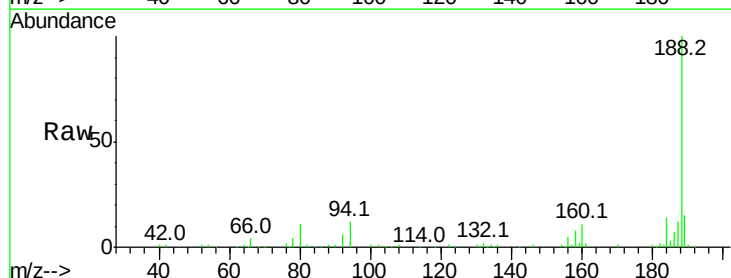
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.8	29.8

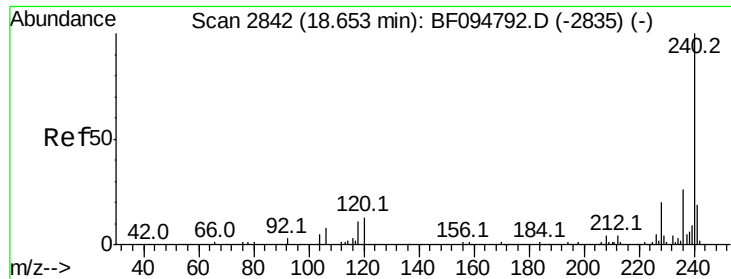


#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.97 min Scan# 2215
 Delta R.T. -0.02 min
 Lab File: BF095051.D
 Acq: 10 May 2017 7:51

Tgt Ion:188 Resp: 285402

Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	11.4	10.2	15.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2839

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

Instrument :

BNA_F

ClientSampleId :

TP-7-8-9-COMP

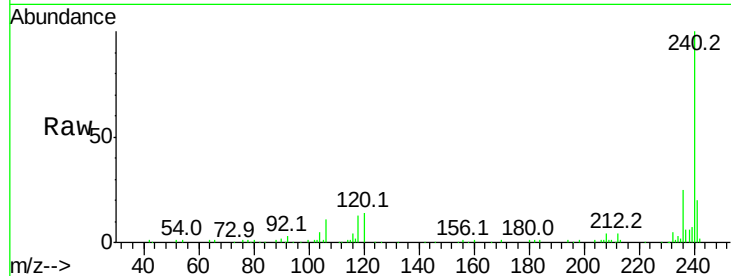
Tot Ion:240 Resp: 189511

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

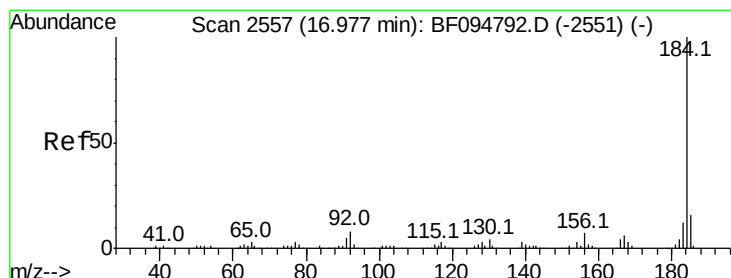
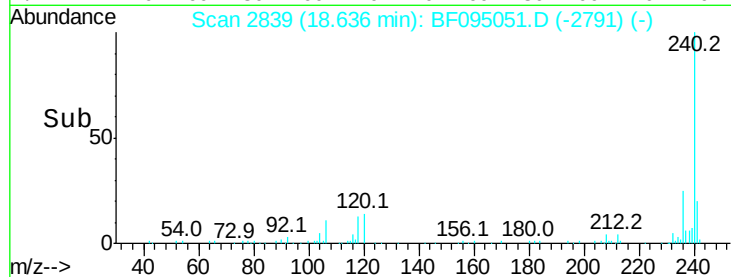
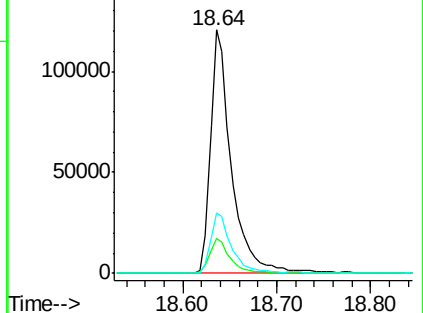
236 24.7 20.5 30.7



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: 12.48 ng

RT: 16.99 min Scan# 2560

Delta R.T. 0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

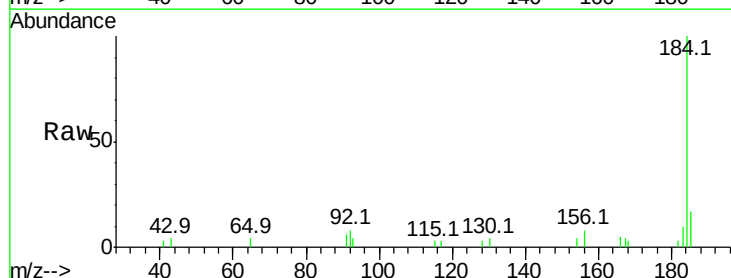
Tgt Ion:184 Resp: 34977

Ion Ratio Lower Upper

184 100

185 16.6 15.5 23.3

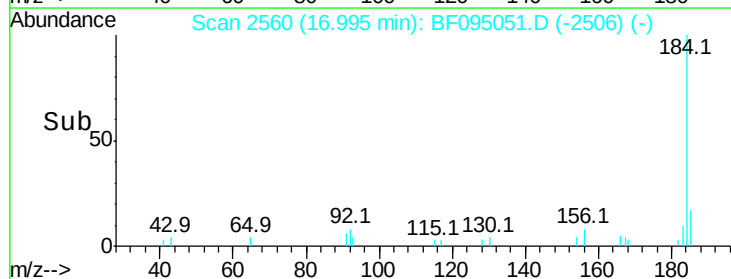
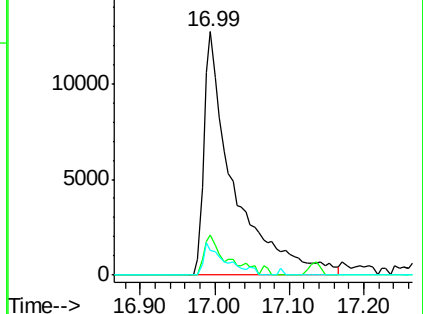
183 10.4 9.8 14.6

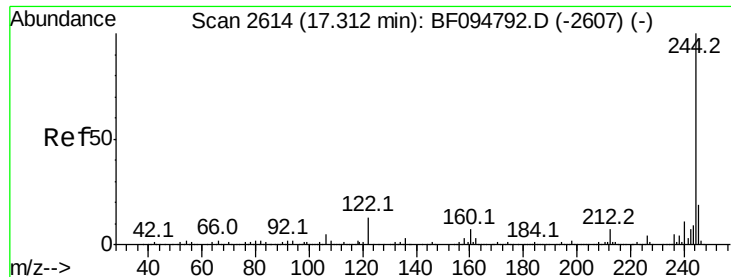


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.13 ng

RT: 17.29 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

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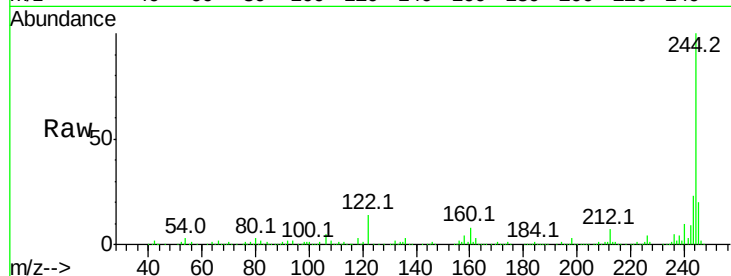
Tot Ion:244 Resp: 792728

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

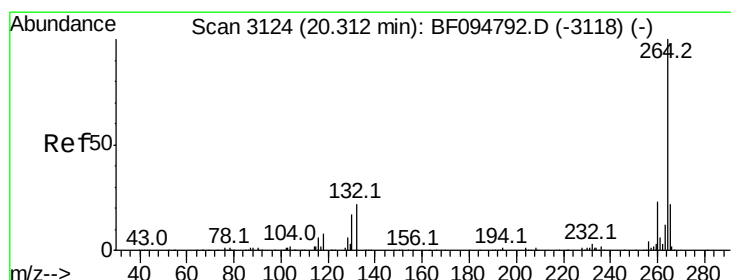
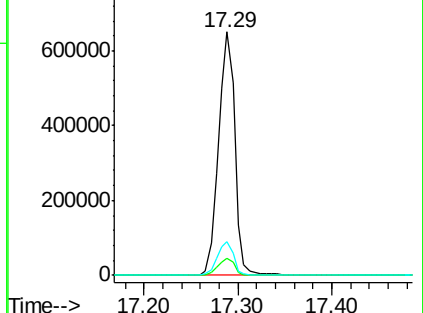
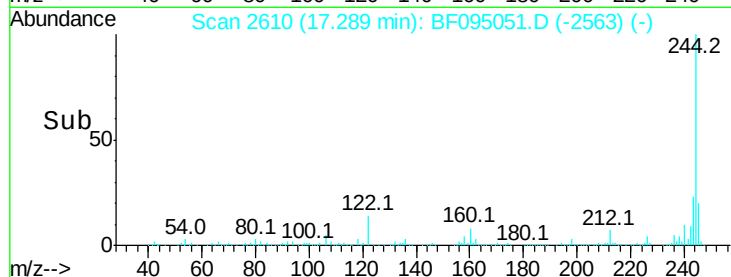
122 14.0 10.3 15.5



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: 20.31 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BF095051.D

Acq: 10 May 2017 7:51

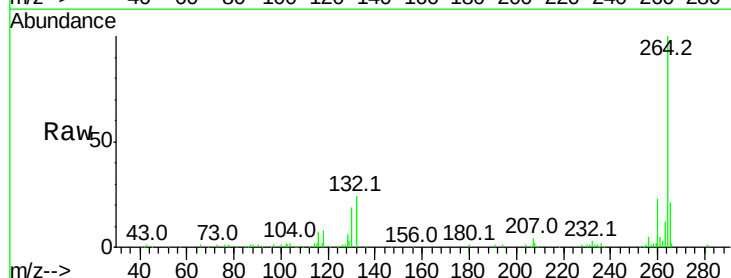
Tgt Ion:264 Resp: 172319

Ion Ratio Lower Upper

264 100

260 23.2 19.5 29.3

265 21.0 17.2 25.8



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

