

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097883.D
 Acq On : 19 Aug 2017 17:15
 Operator : SJ/JU
 Sample : I4846-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PI-4(25)

Quant Time: Aug 21 04:35:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

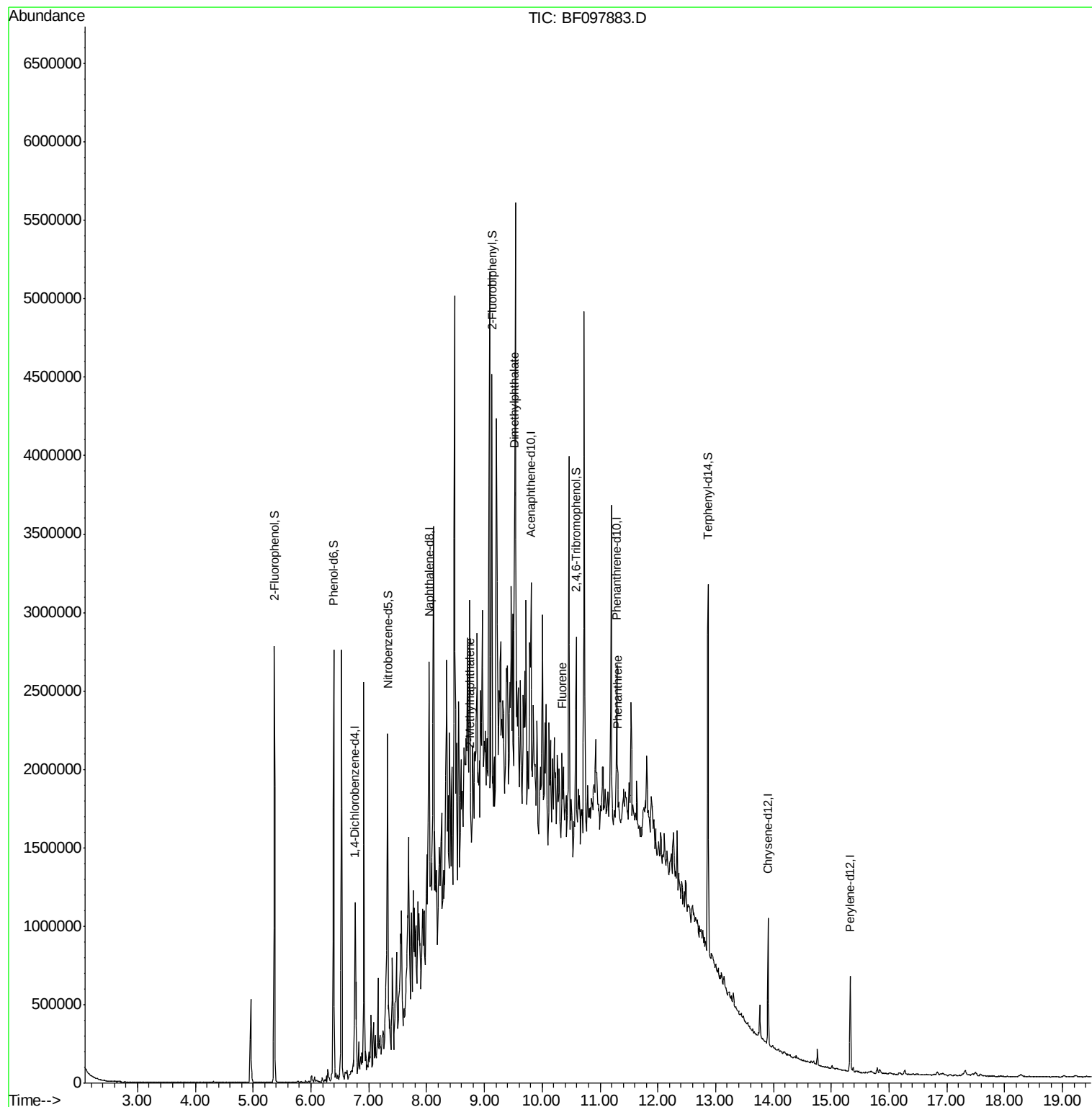
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	140270	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	529908	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	235169	20.00	ng	-0.02
63) Phenanthrene-d10	11.28	188	421019	20.00	ng	-0.02
75) Chrysene-d12	13.91	240	284173	20.00	ng	-0.03
86) Perylene-d12	15.33	264	261259	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	817451	88.64	ng	-0.02
7) Phenol-d6	6.40	99	1134236	90.52	ng	-0.01
23) Nitrobenzene-d5	7.33	82	749107	76.80	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	206593	101.25	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1030403	64.37	ng	-0.02
78) Terphenyl-d14	12.87	244	781265	57.33	ng	-0.02
Target Compounds						
37) 2-Methylnaphthalene	8.76	142	93067	5.518	ng	# 95
49) Dimethylphthalate	9.52	163	126540	7.361	ng	# 82
57) Fluorene	10.35	166	38833	2.388	ng	# 85
70) Phenanthrene	11.30	178	55416	2.470	ng	# 86

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

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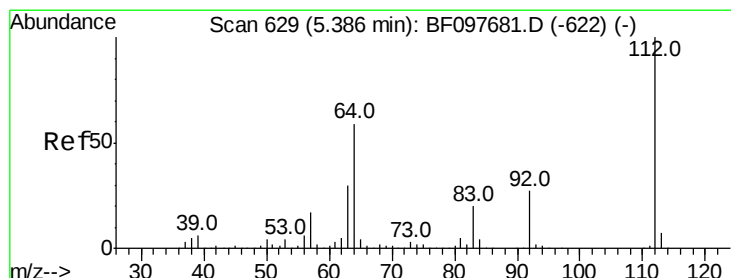
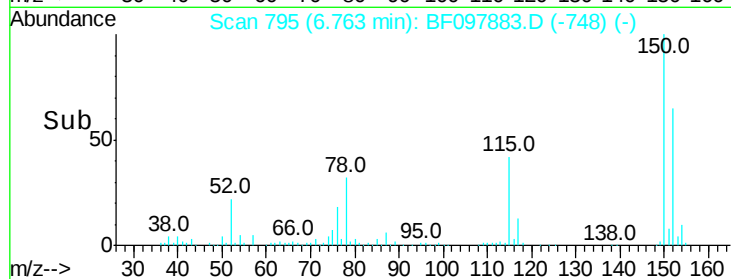
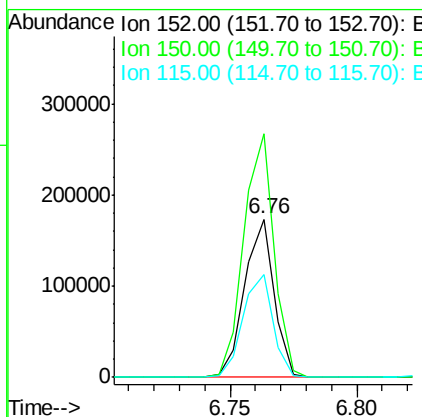
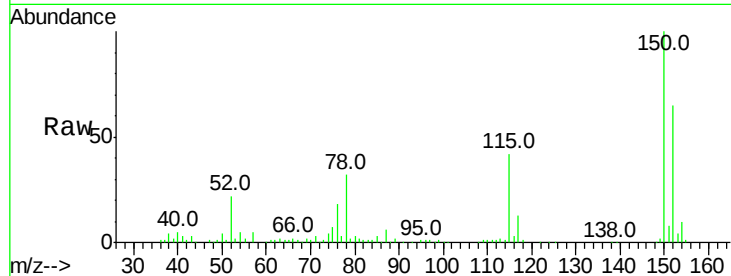


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Instrument :
BNA_F
ClientSampleId :
PI-4(25)

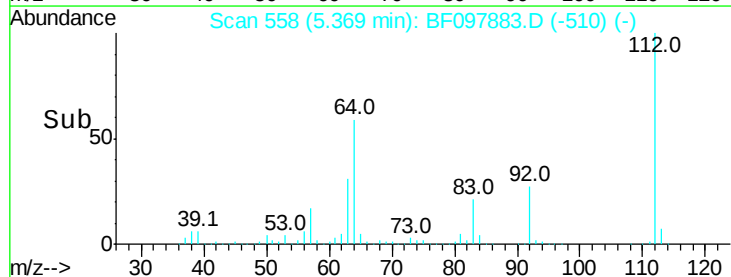
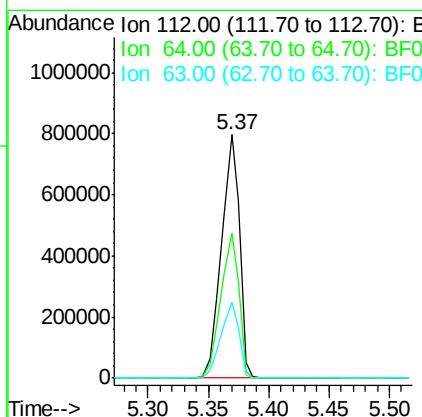
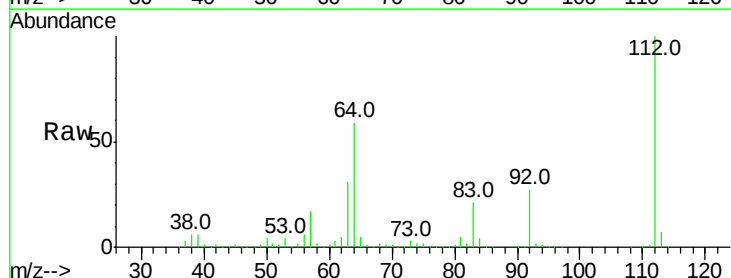
Tot Ion:152 Resp: 140270
Ion Ratio Lower Upper
152 100
150 154.0 126.2 189.2
115 64.9 52.2 78.2

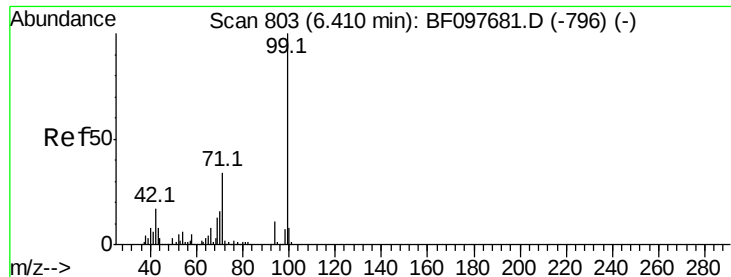


#5

2-Fluorophenol
Concen: 88.644 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion:112 Resp: 817451
Ion Ratio Lower Upper
112 100
64 59.5 46.0 69.0
63 30.9 23.4 35.0





#7

Phenol-d6

Concen: 90.523 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

PI-4(25)

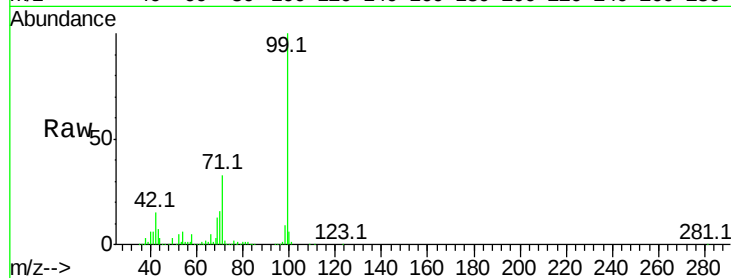
Tot Ion: 99 Resp: 1134236

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

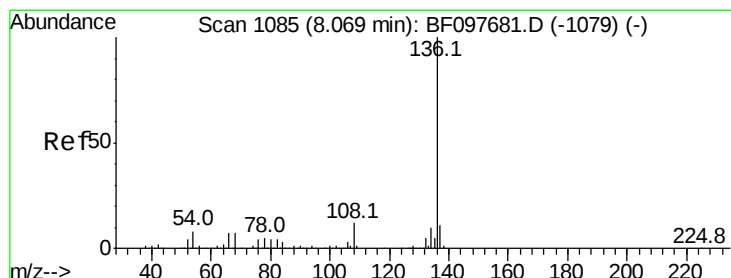
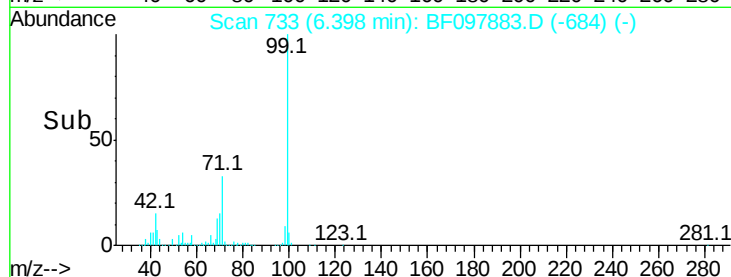
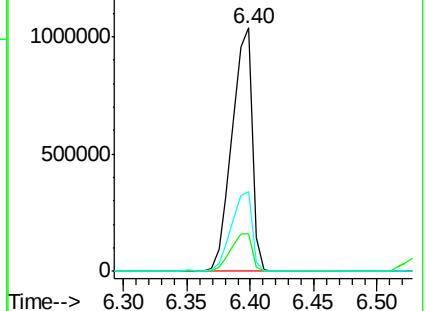
71 32.9 24.5 36.7



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: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Tgt Ion: 136 Resp: 529908

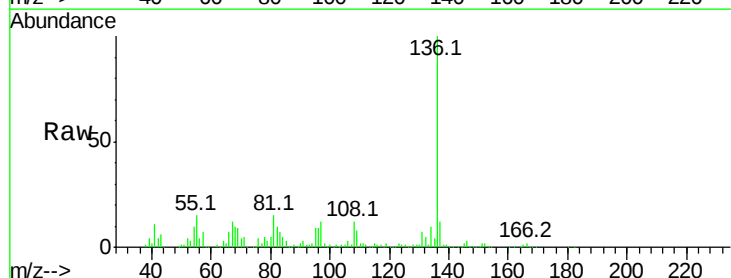
Ion Ratio Lower Upper

136 100

137 12.0 8.5 12.7

54 9.8 4.9 7.3#

68 10.4 4.1 6.1#

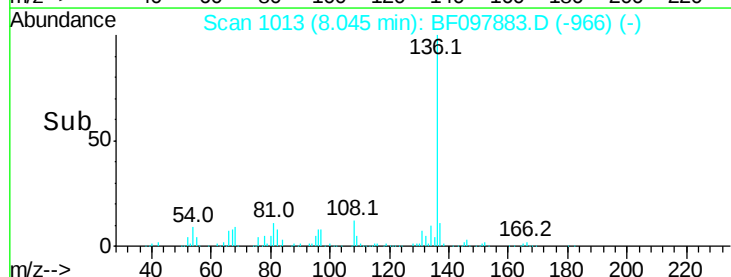
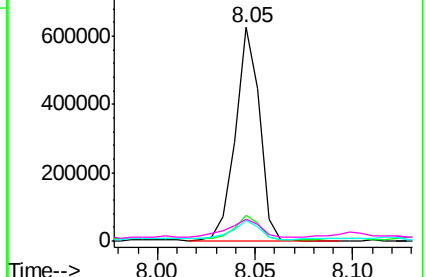


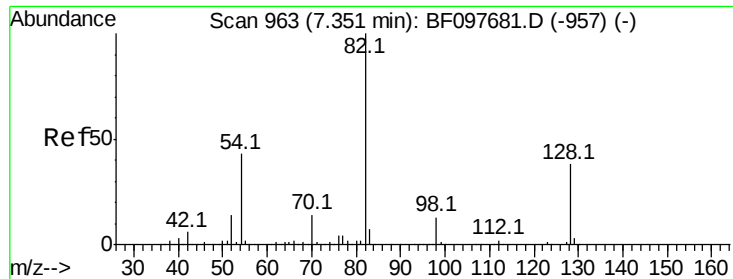
Abundance Ion 136.00 (135.70 to 136.70): E

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

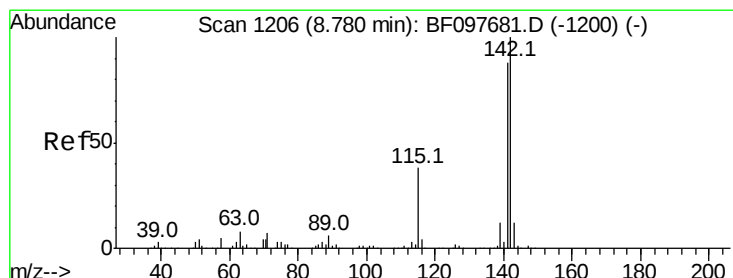
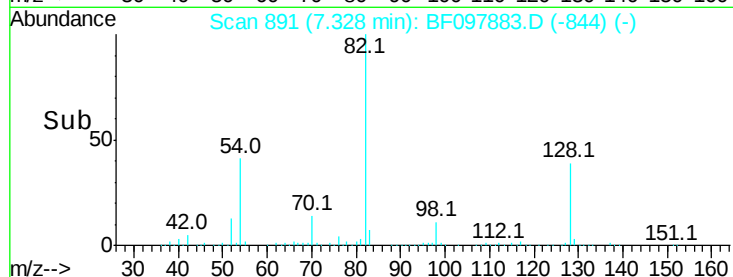
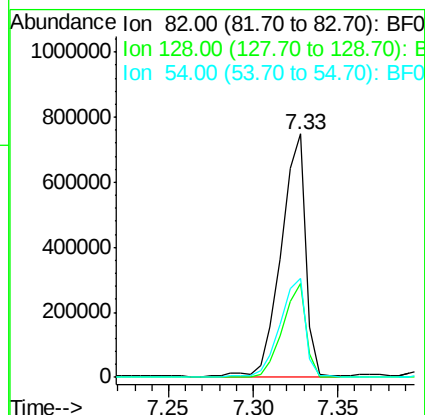
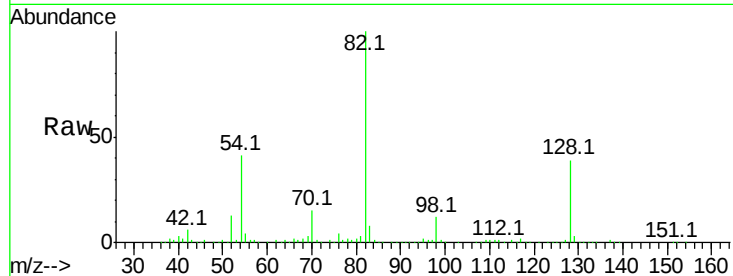




#23
Nitrobenzene-d5
Concen: 76.796 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

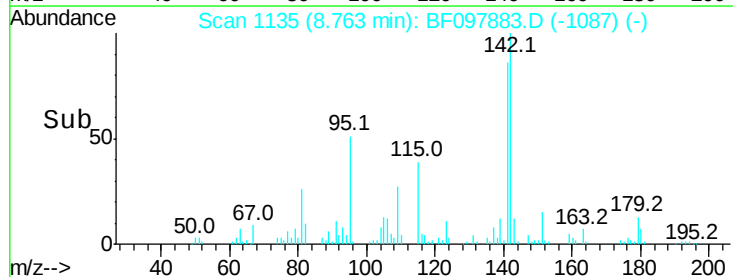
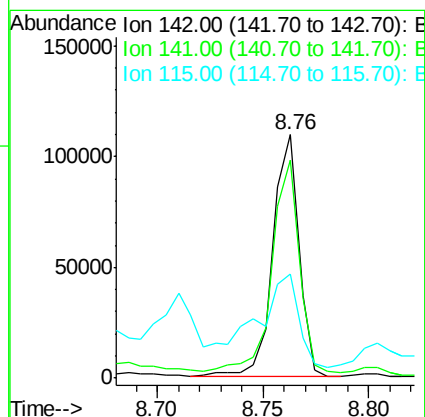
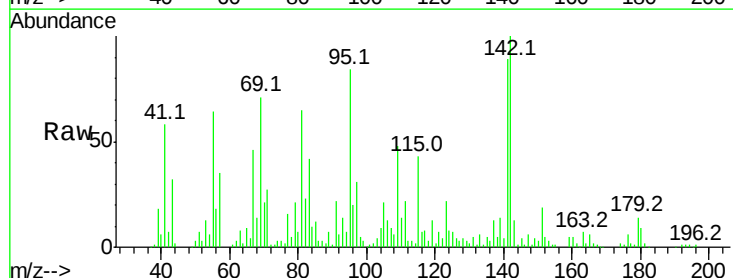
Instrument :
BNA_F
ClientSampleId :
PI-4(25)

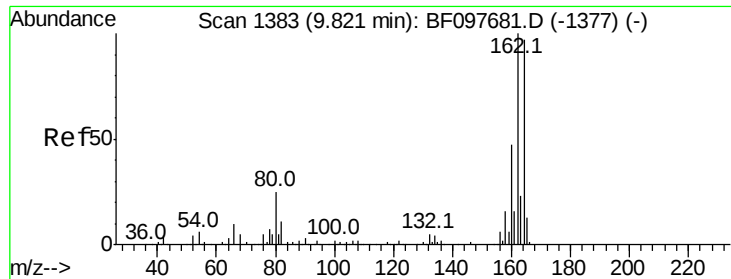
Tot Ion: 82 Resp: 749107
Ion Ratio Lower Upper
82 100
128 38.6 34.0 51.0
54 40.8 42.2 63.2#



#37
2-Methylnaphthalene
Concen: 5.518 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF097883.D
Acq: 19 Aug 2017 17:15

Tgt Ion:142 Resp: 93067
Ion Ratio Lower Upper
142 100
141 89.4 71.3 106.9
115 42.9 27.1 40.7#

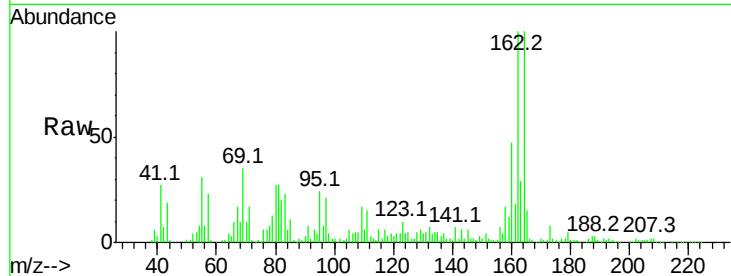




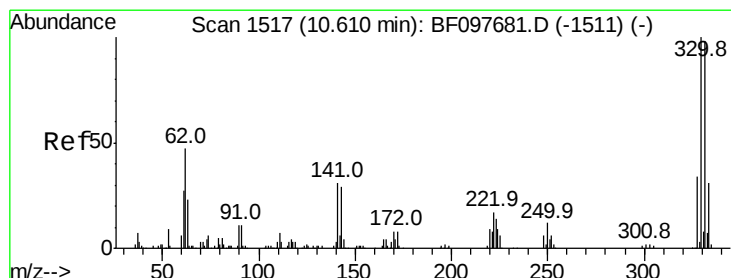
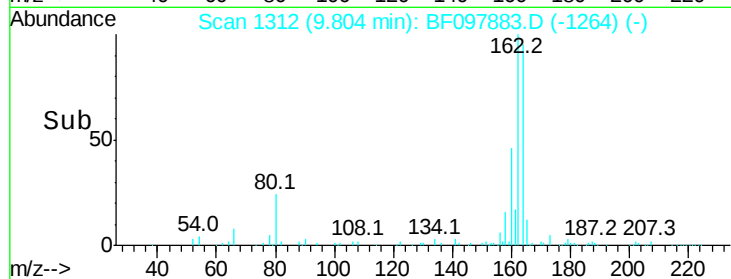
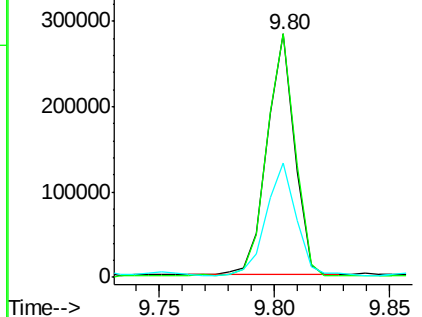
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Instrument :
 BNA_F
 ClientSampleId :
 PI-4(25)

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.6	123.8
160	47.1	36.2	54.2

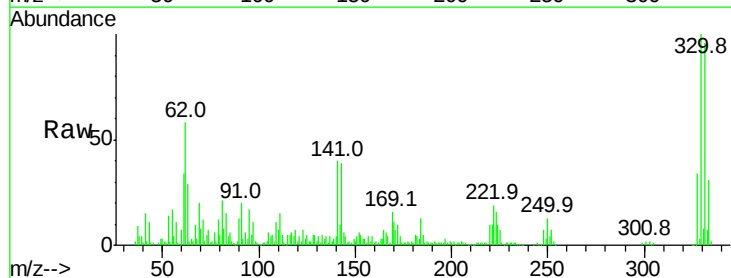


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

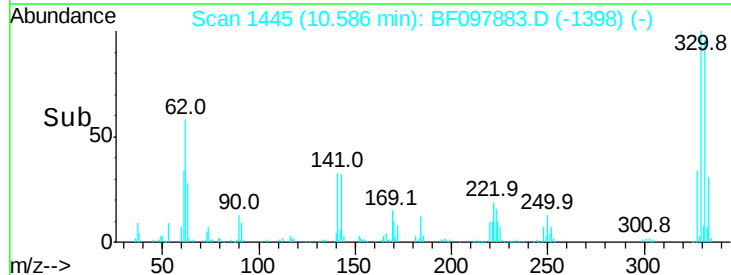
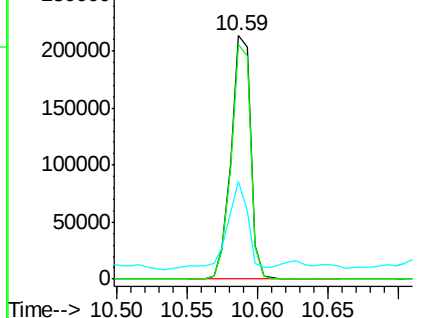


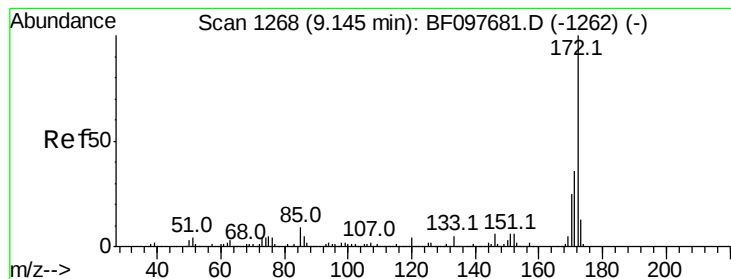
#41
 2,4,6-Tribromophenol
 Concen: 101.248 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	38.0	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



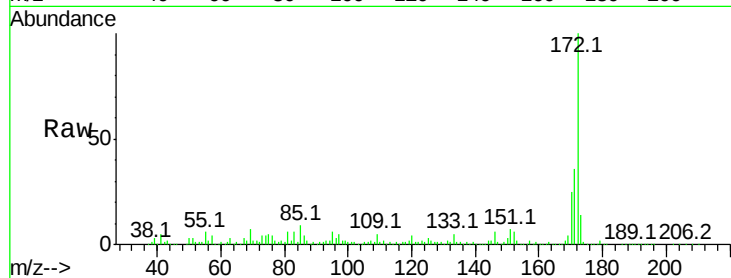


#44
 2-Fluorobiphenyl
 Concen: 64.374 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

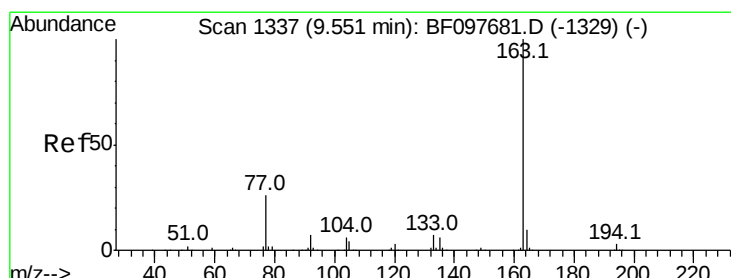
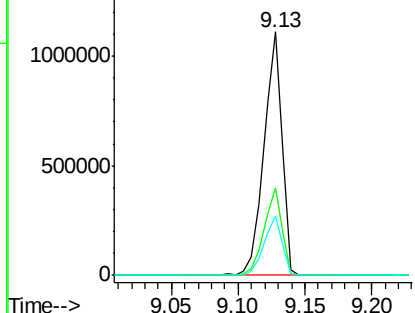
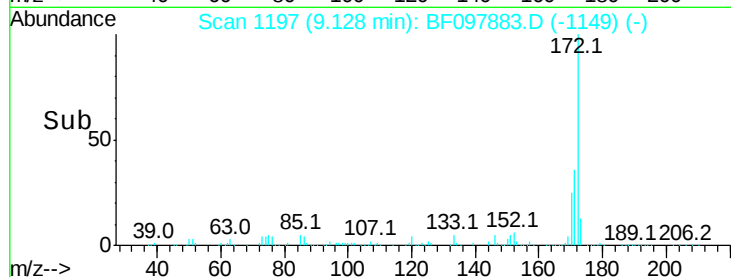
Instrument :
 BNA_F
 ClientSampleId :
 PI-4(25)

Tot Ion:172 Resp: 1030403

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.6	19.8	29.8



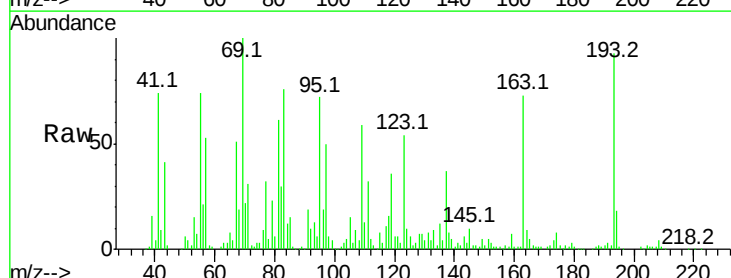
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



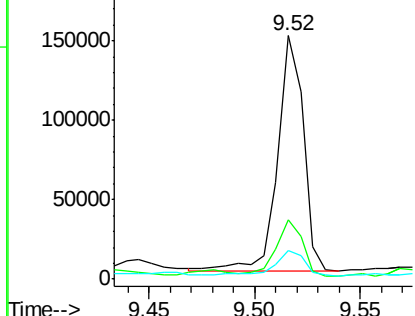
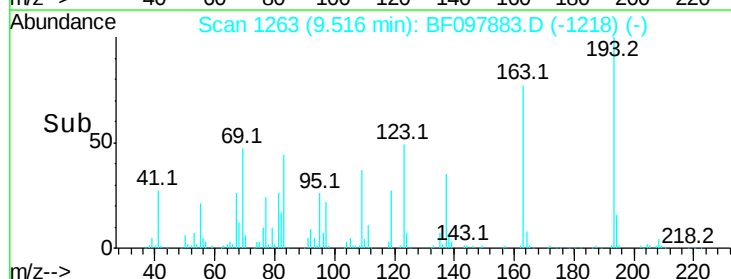
#49
 Dimethylphthalate
 Concen: 7.361 ng
 RT: 9.52 min Scan# 1263
 Delta R.T. -0.04 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

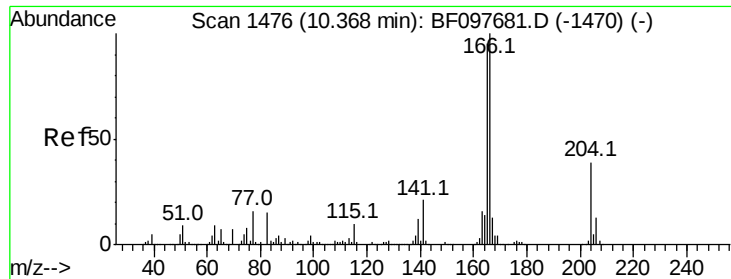
Tgt Ion:163 Resp: 126540

Ion	Ratio	Lower	Upper
163	100		
194	24.4	2.6	4.0#
164	11.9	8.4	12.6



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

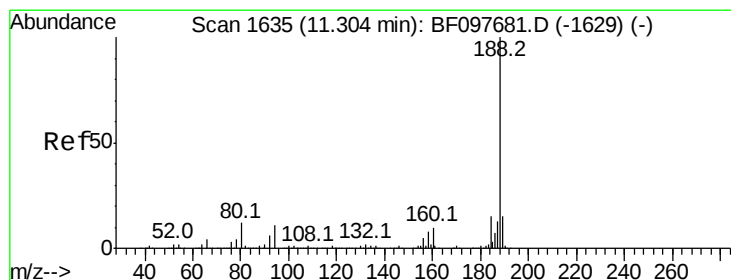
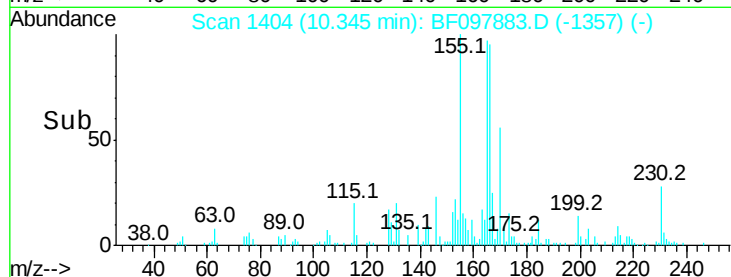
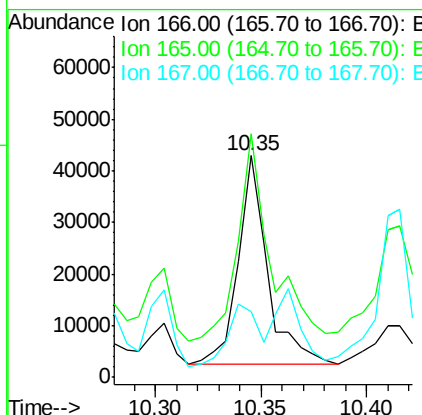
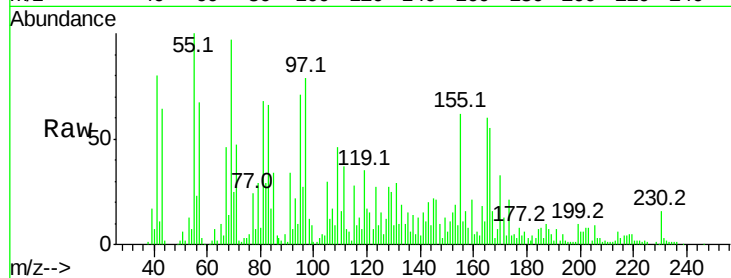




#57
Fluorene
 Concen: 2.388 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

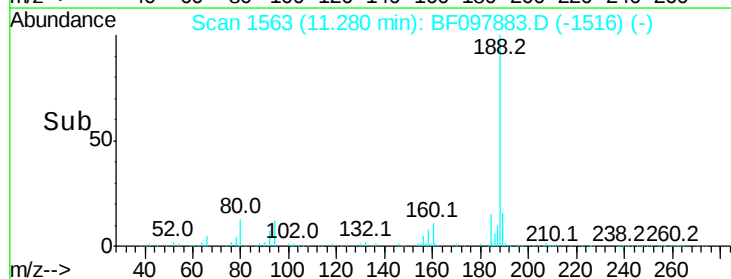
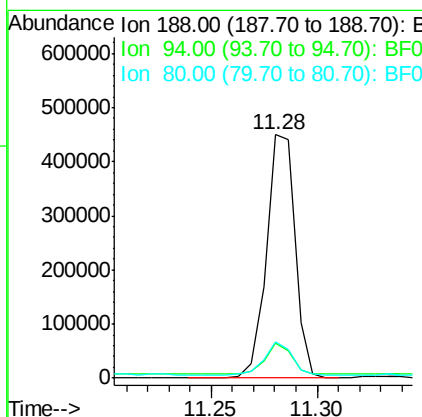
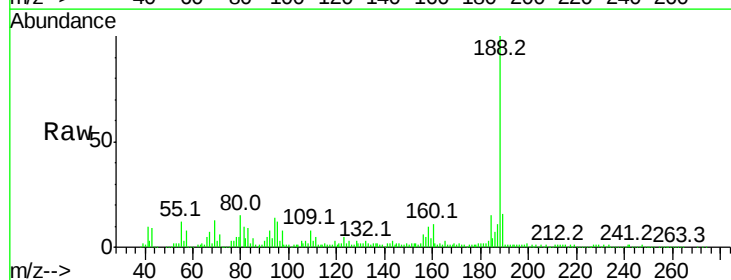
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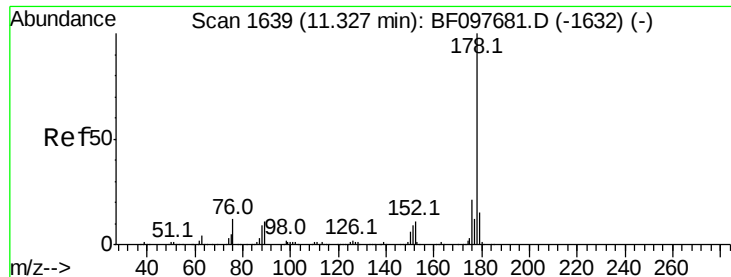
Tot Ion:166 Resp: 38833
 Ion Ratio Lower Upper
 166 100
 165 109.8 78.8 118.2
 167 29.9 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.28 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF097883.D
 Acq: 19 Aug 2017 17:15

Tgt Ion:188 Resp: 421019
 Ion Ratio Lower Upper
 188 100
 94 14.1 9.4 14.2
 80 14.7 10.2 15.2





#70

Phenanthrene

Concen: 2.470 ng

RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampled :

PI-4(25)

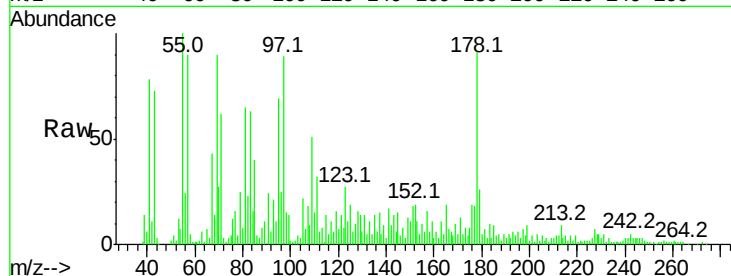
Tot Ion:178 Resp: 55416

Ion Ratio Lower Upper

178 100

176 21.0 16.2 24.4

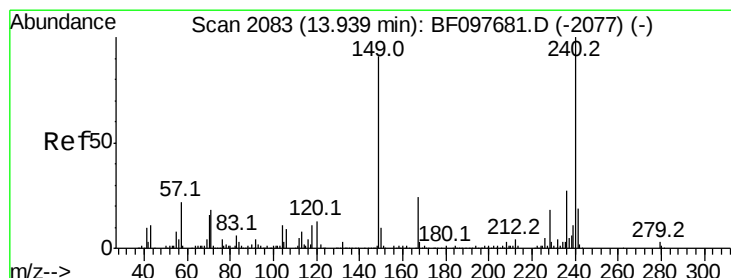
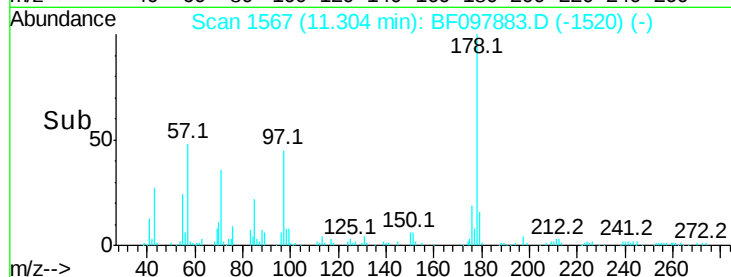
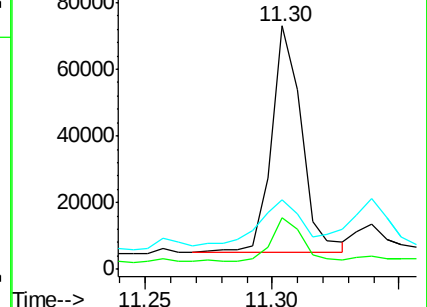
179 28.7 12.6 19.0#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

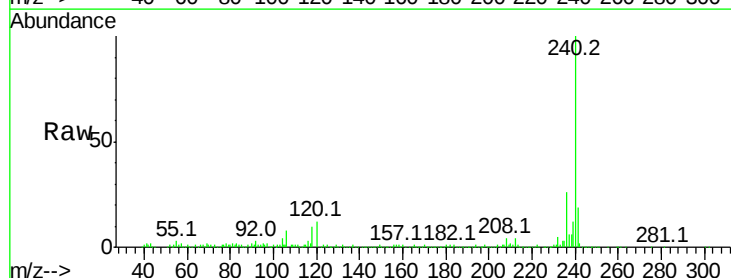
Tgt Ion:240 Resp: 284173

Ion Ratio Lower Upper

240 100

120 11.9 5.8 8.8#

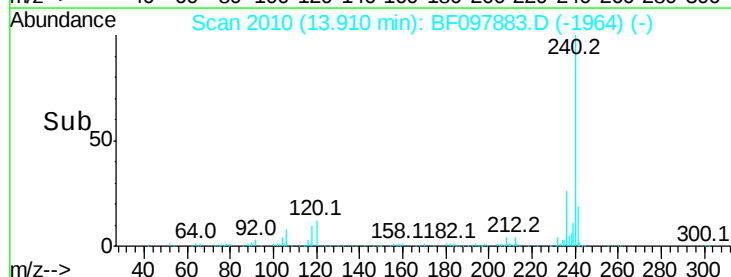
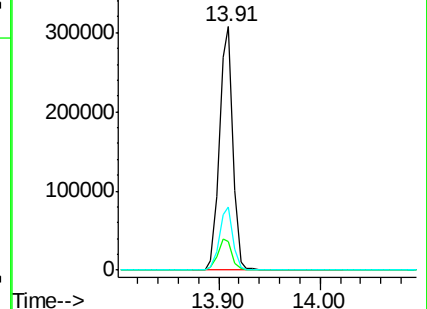
236 25.9 20.5 30.7

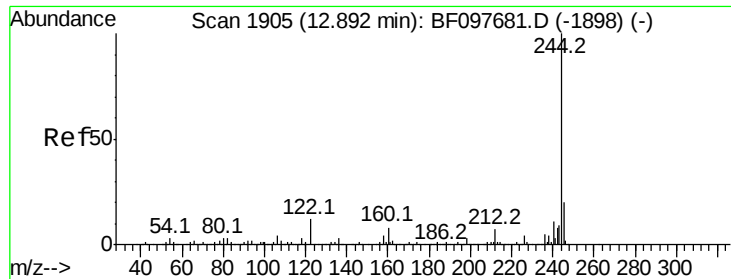


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 57.331 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Instrument :

BNA_F

ClientSampleId :

PI-4(25)

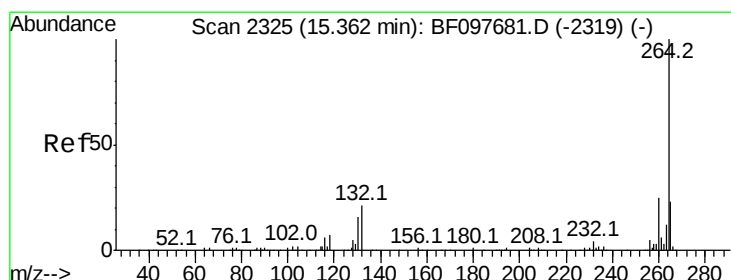
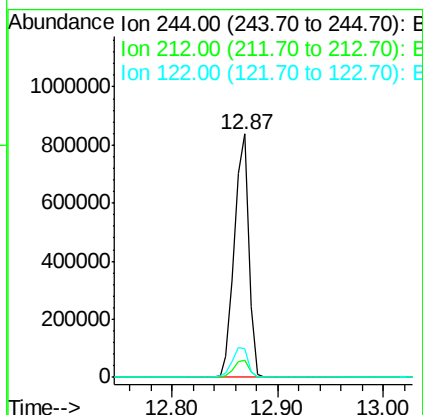
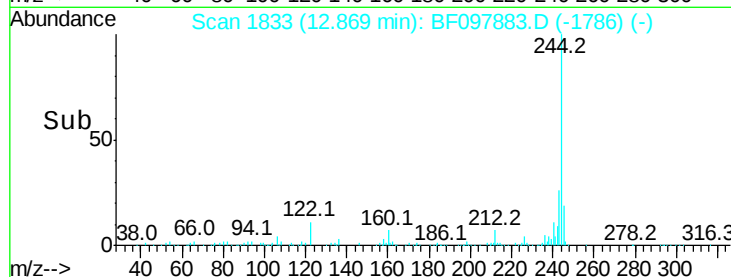
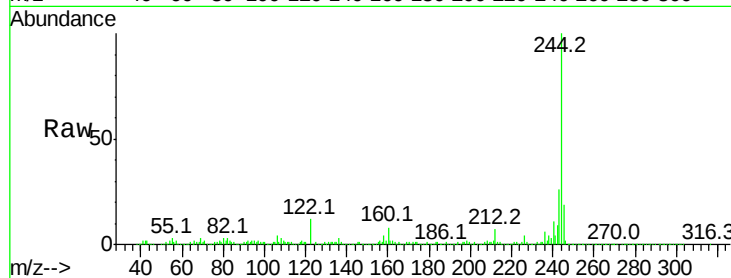
Tot Ion:244 Resp: 781265

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.8 10.3 15.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.04 min

Lab File: BF097883.D

Acq: 19 Aug 2017 17:15

Tgt Ion:264 Resp: 261259

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 21.8 17.2 25.8

