

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020416\
 Data File : BF084840.D
 Acq On : 4 Feb 2016 20:40
 Operator : SJ/IZ
 Sample : H1320-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(30-32)

Quant Time: Feb 05 02:52:20 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

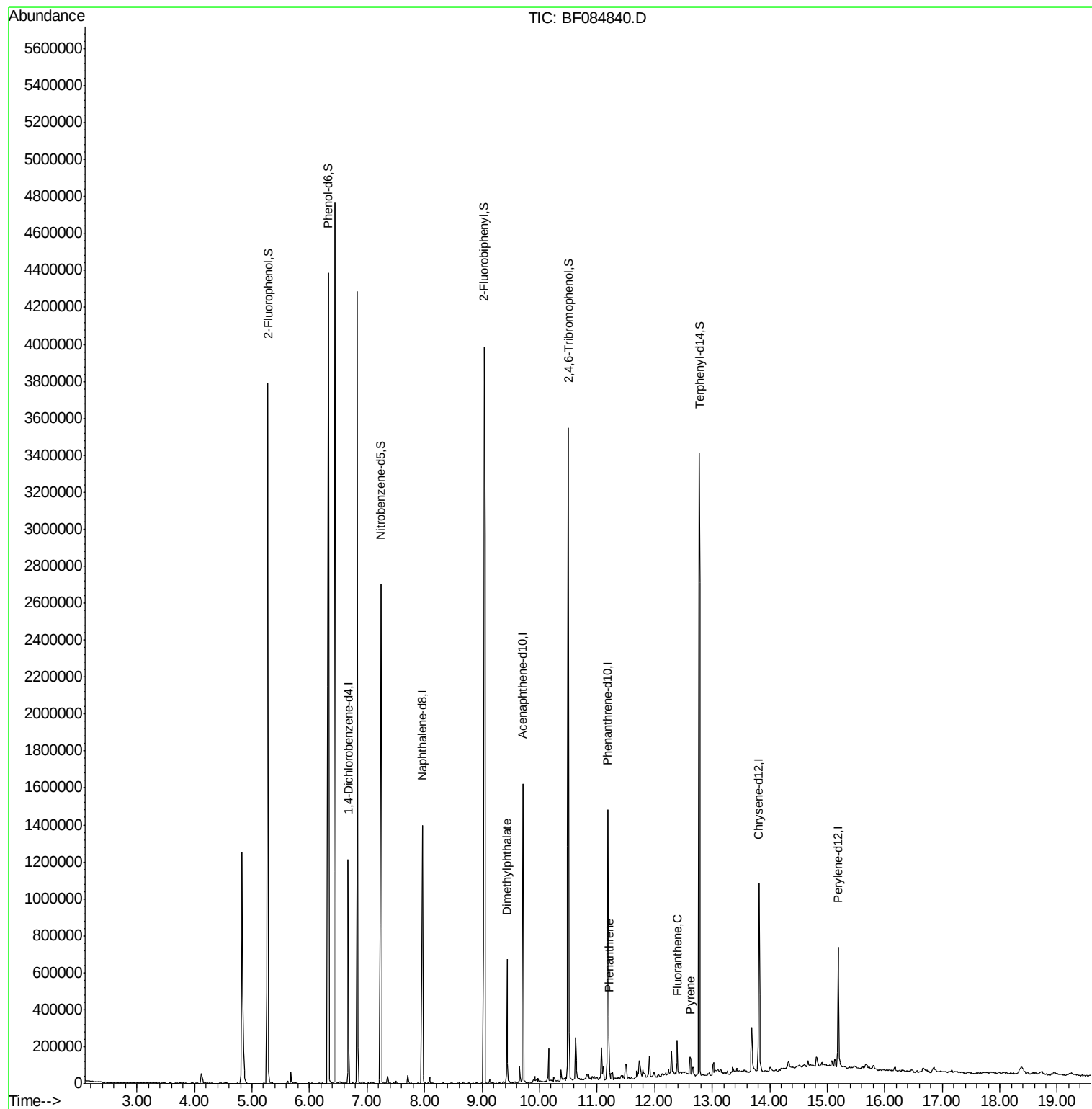
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	157695	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	688714	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	313518	20.00	ng	-0.02
63) Phenanthrene-d10	11.18	188	508895	20.00	ng	-0.02
75) Chrysene-d12	13.81	240	360626	20.00	ng	-0.02
86) Perylene-d12	15.19	264	326942	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	1501439	148.30	ng	0.00
7) Phenol-d6	6.33	99	1629354	129.82	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1017278	83.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	399083	122.03	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	1807803	105.74	ng	-0.02
78) Terphenyl-d14	12.77	244	1495200	93.95	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.44	163	241990	10.13	ng	Qvalue # 90
70) Phenanthrene	11.21	178	81433	2.89	ng	99
74) Fluoranthene	12.40	202	71848	2.52	ng	93
77) Pyrene	12.62	202	60436	2.19	ng	97

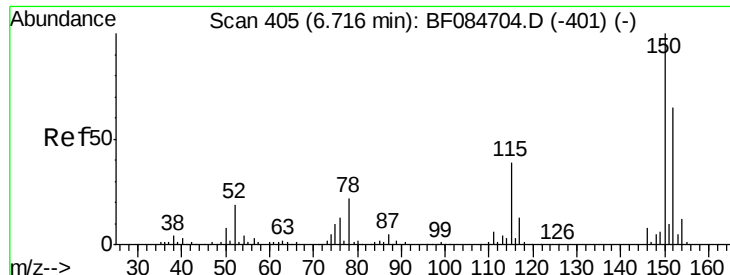
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 401

Delta R.T. -0.01 min

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BNA_F

ClientSampleId :

S4-B012(30-32)

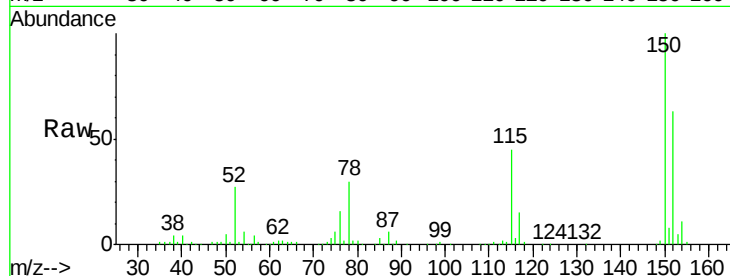
Tot Ion:152 Resp: 157695

Ion Ratio Lower Upper

152 100

150 159.4 123.0 184.4

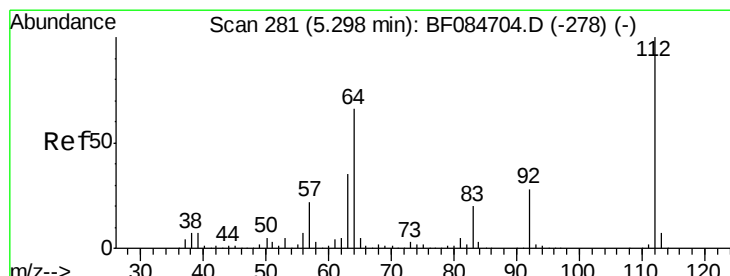
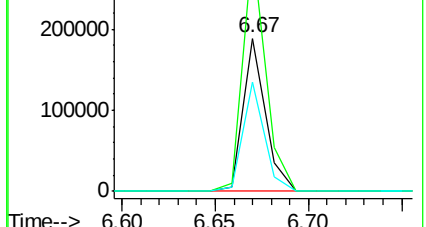
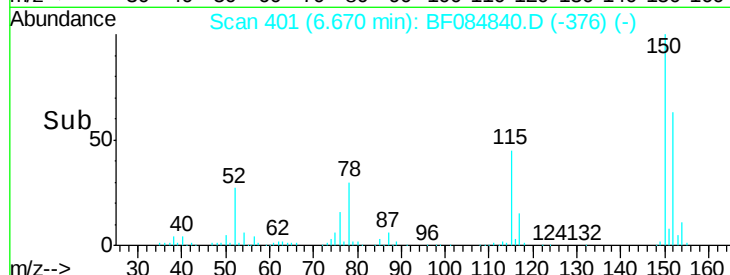
115 71.8 51.4 77.2



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: 148.30 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.00 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

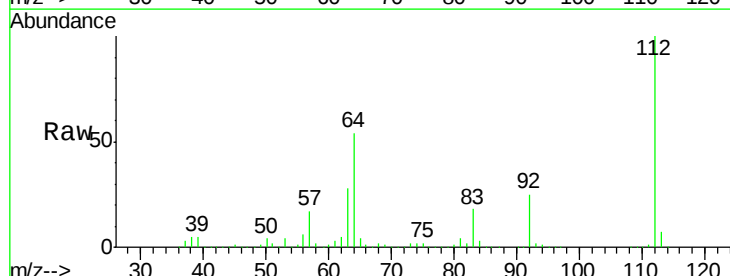
Tgt Ion:112 Resp: 1501439

Ion Ratio Lower Upper

112 100

64 53.6 36.6 55.0

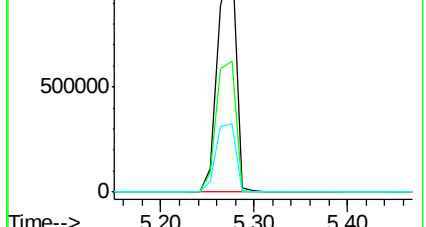
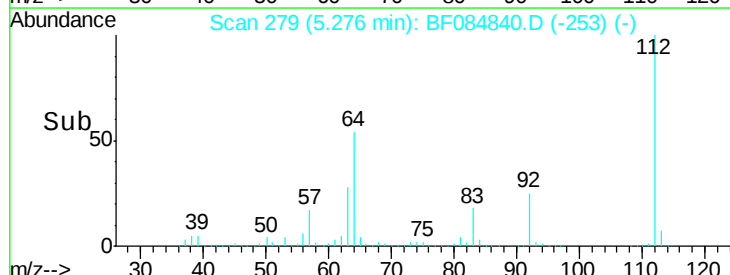
63 28.2 19.4 29.0



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: 129.82 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

Instrument :

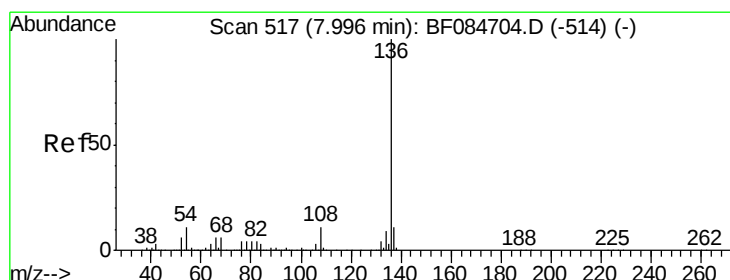
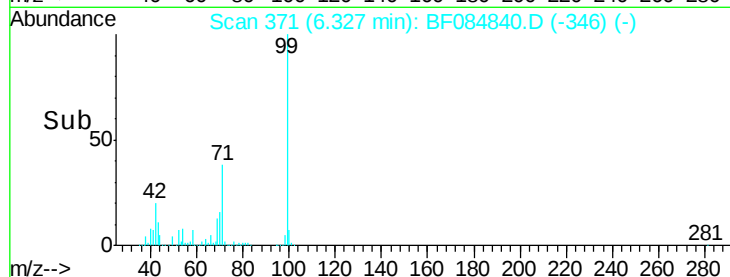
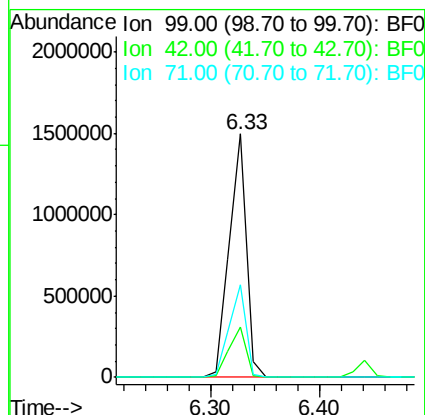
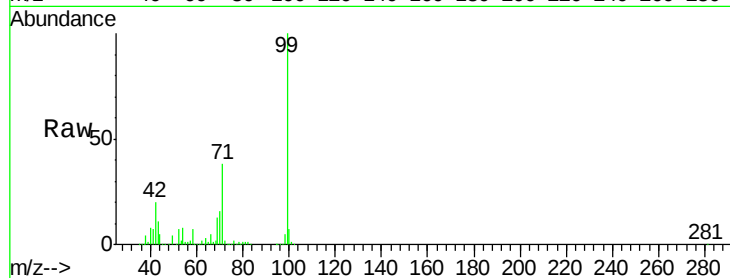
BNA_F

ClientSampleId :

S4-B012(30-32)

Tot Ion: 99 Resp: 1629354

Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	37.9	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.96 min Scan# 514

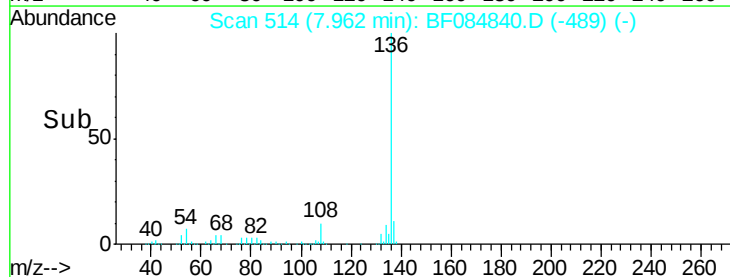
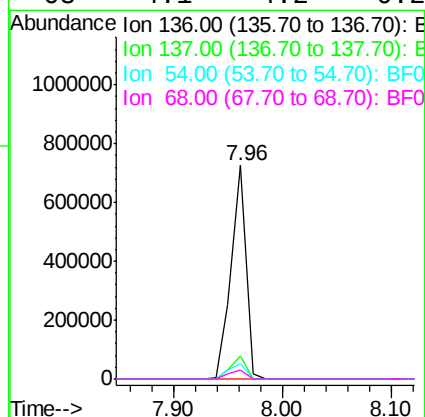
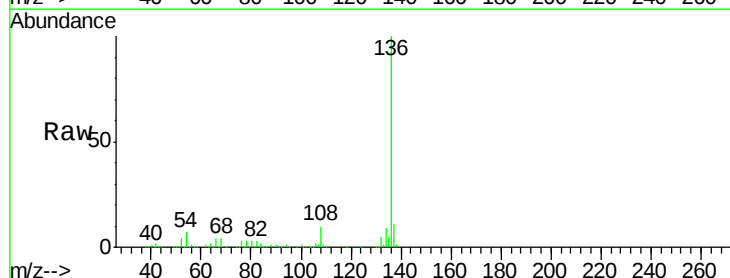
Delta R.T. -0.01 min

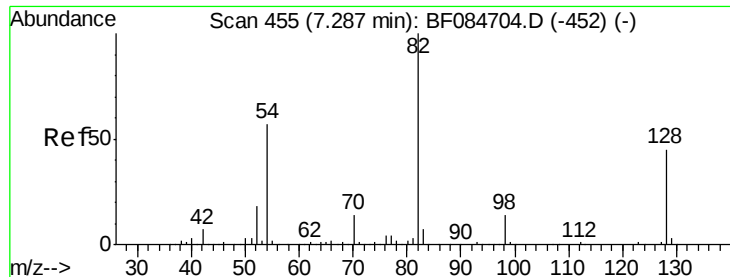
Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

Tgt Ion: 136 Resp: 688714

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.0	5.8	8.8
68	4.1	4.2	6.2#

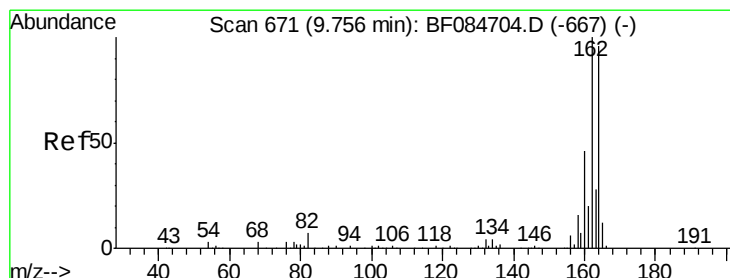
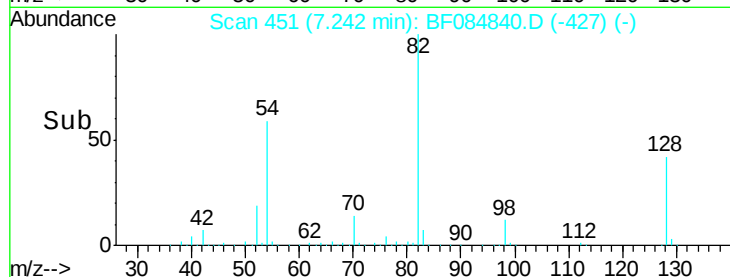
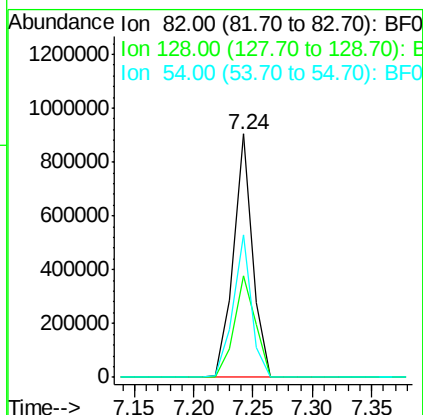
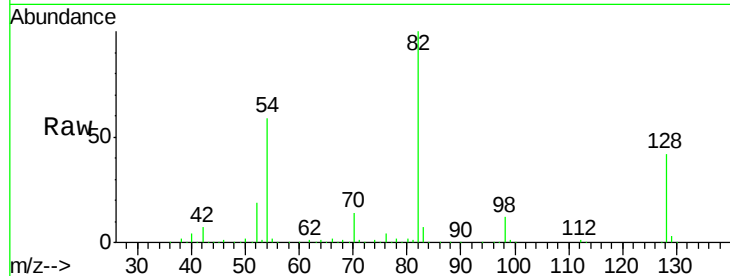




#23
 Nitrobenzene-d5
 Concen: 83.21 ng
 RT: 7.24 min Scan# 451
 Delta R.T. -0.02 min
 Lab File: BF084840.D
 Acq: 4 Feb 2016 20:40

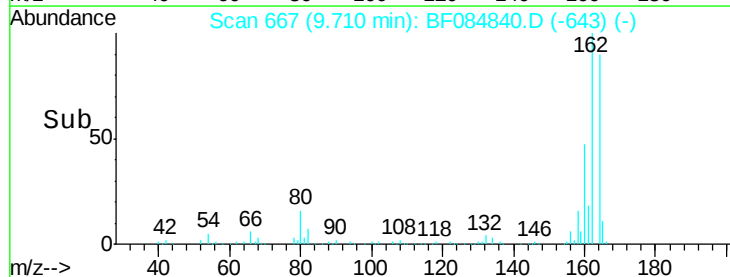
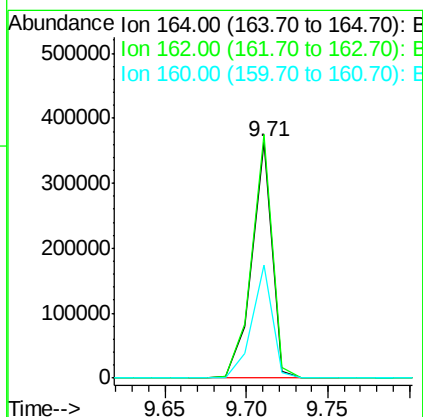
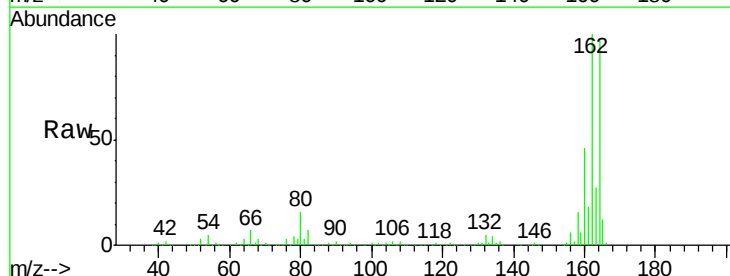
Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(30-32)

Tot Ion: 82 Resp: 1017278
 Ion Ratio Lower Upper
 82 100
 128 41.9 34.6 51.8
 54 58.5 38.4 57.6#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF084840.D
 Acq: 4 Feb 2016 20:40

Tgt Ion:164 Resp: 313518
 Ion Ratio Lower Upper
 164 100
 162 102.9 85.1 127.7
 160 47.6 37.5 56.3

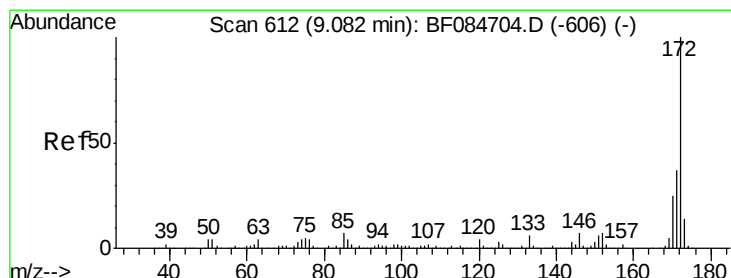
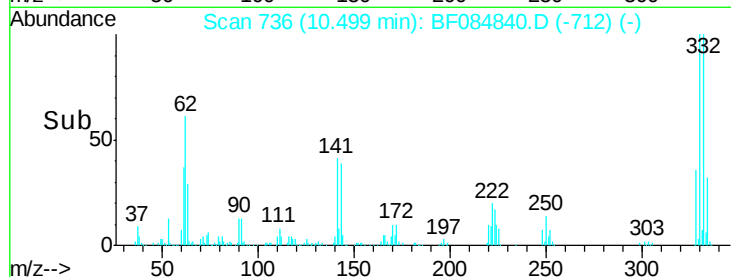
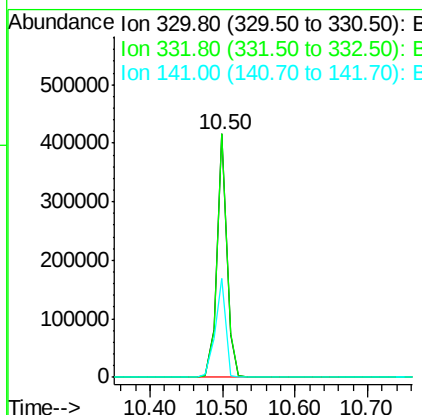
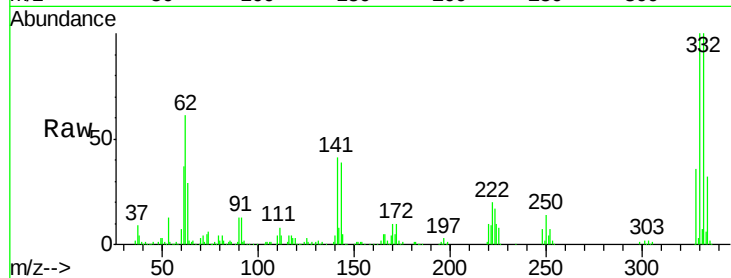




#41
 2,4,6-Tribromophenol
 Concen: 122.03 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.02 min
 Lab File: BF084840.D
 Acq: 4 Feb 2016 20:40

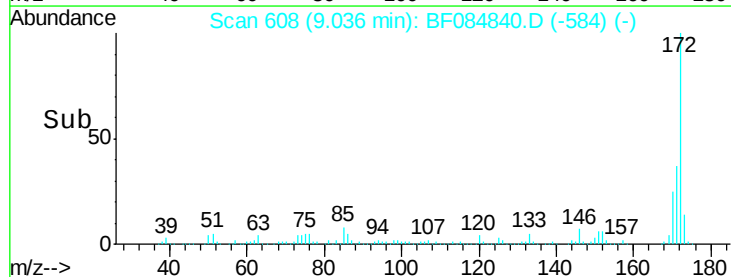
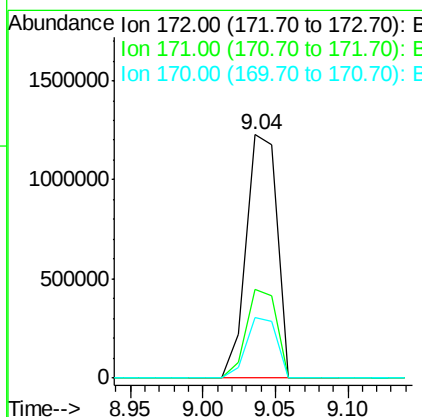
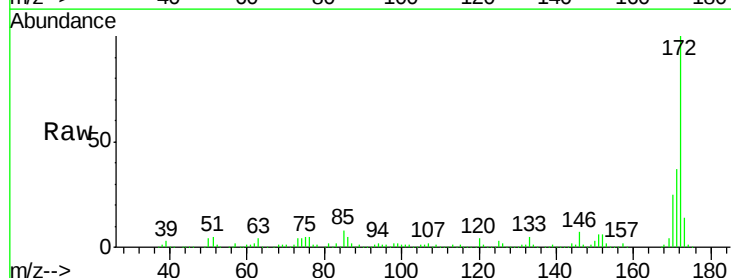
Instrument :
 BNA_F
 ClientSampleId :
 S4-B012(30-32)

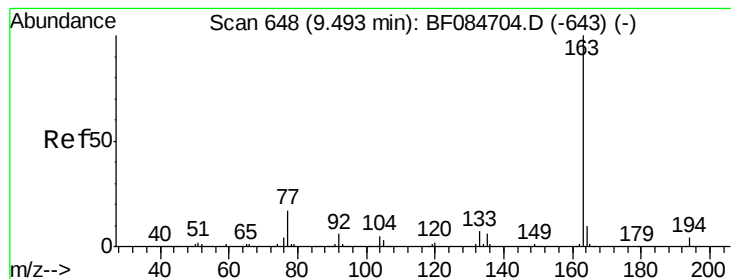
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.6	76.6	114.8
141	42.1	27.8	41.6#



#44
 2-Fluorobiphenyl
 Concen: 105.74 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084840.D
 Acq: 4 Feb 2016 20:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.9	43.3
170	24.8	18.6	27.8





#49

Dimethylphthalate

Concen: 10.13 ng

RT: 9.44 min Scan# 643

Delta R.T. -0.03 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

Instrument :

BNA_F

ClientSampleId :

S4-B012(30-32)

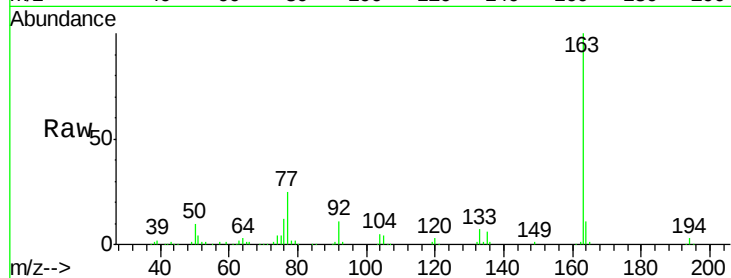
Tot Ion:163 Resp: 241990

Ion Ratio Lower Upper

163 100

194 2.8 8.0 12.0#

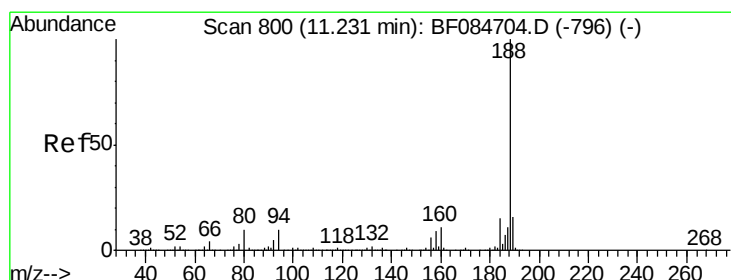
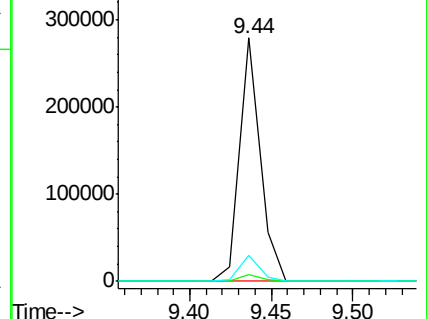
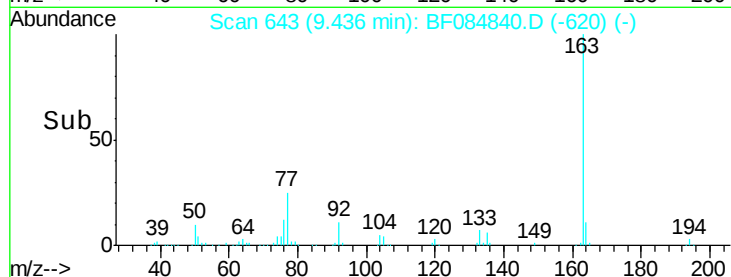
164 10.5 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.18 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

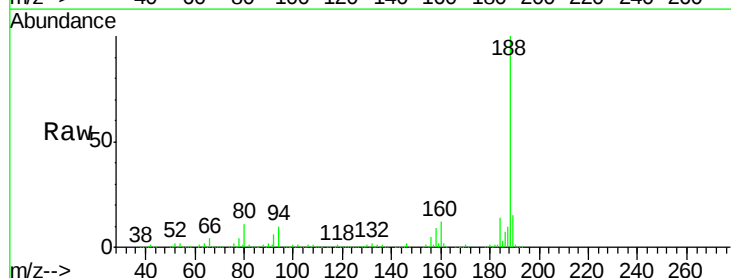
Tgt Ion:188 Resp: 508895

Ion Ratio Lower Upper

188 100

94 10.4 9.0 13.4

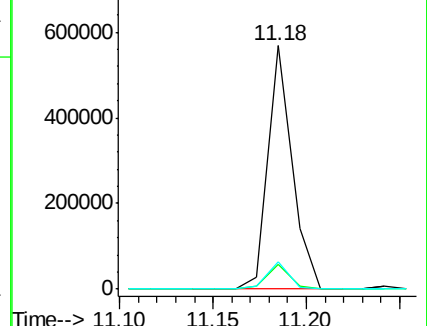
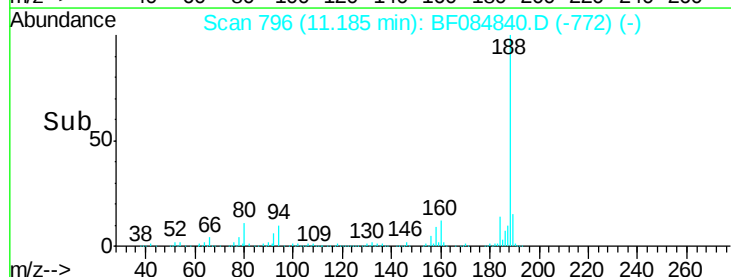
80 11.0 9.6 14.4

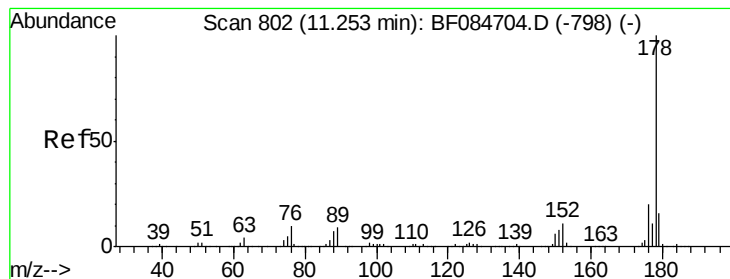


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.89 ng

RT: 11.21 min Scan# 798

Delta R.T. -0.02 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

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S4-B012(30-32)

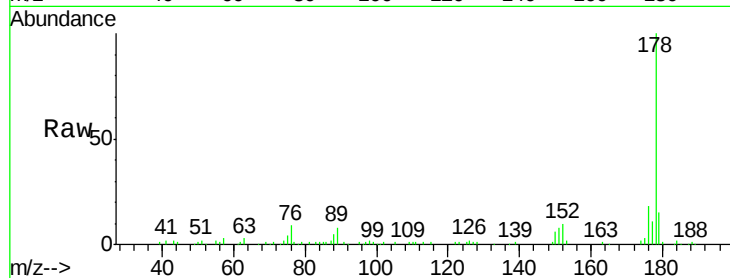
Tot Ion:178 Resp: 81433

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

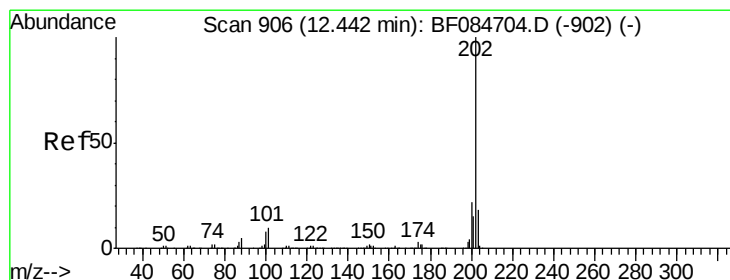
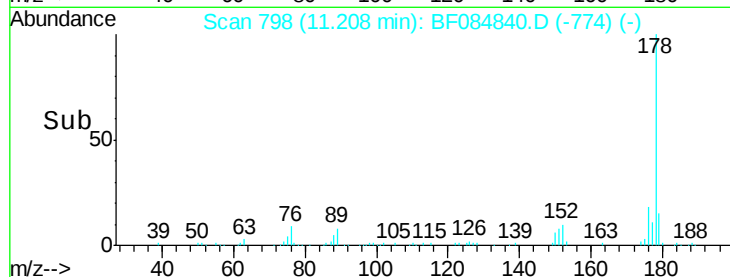
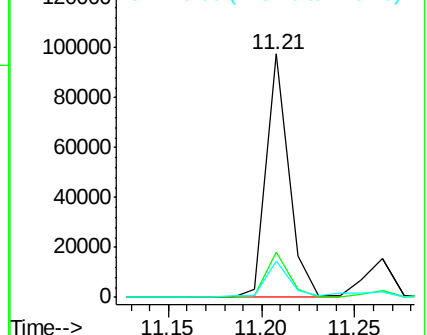
179 14.7 12.0 18.0



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



#74

Fluoranthene

Concen: 2.52 ng

RT: 12.40 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

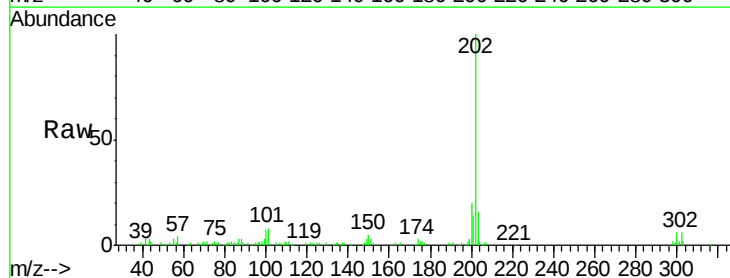
Tgt Ion:202 Resp: 71848

Ion Ratio Lower Upper

202 100

101 7.8 0.0 32.8

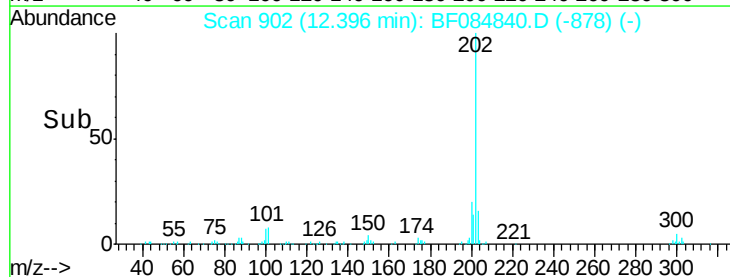
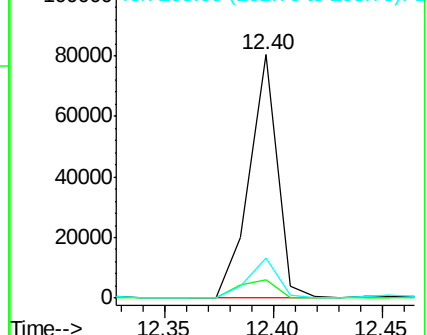
203 16.3 0.0 37.9

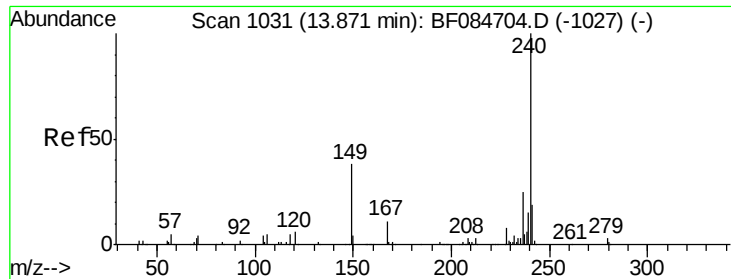


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084840.D

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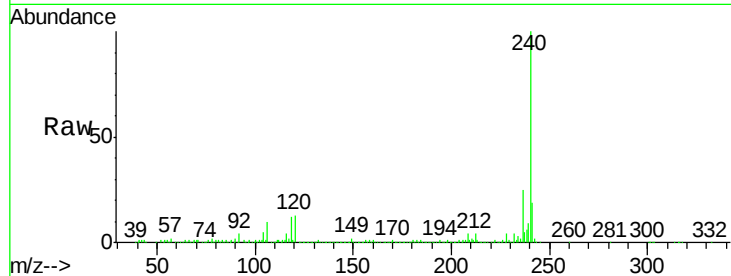
Tot Ion:240 Resp: 360626

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

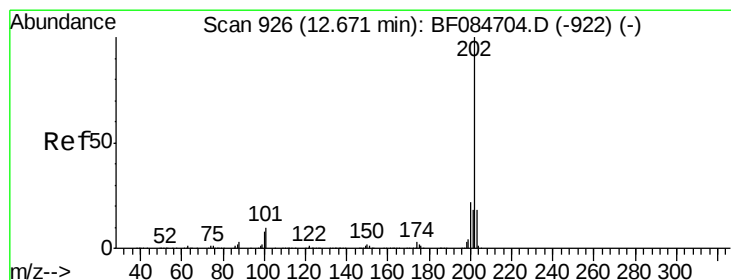
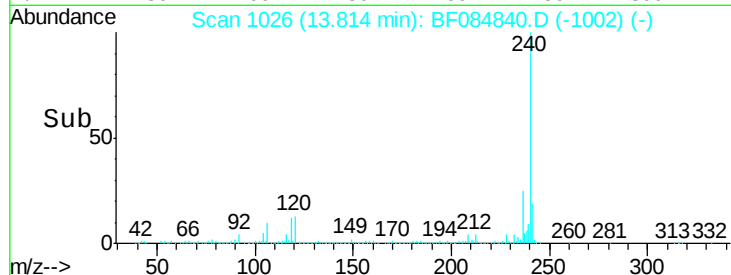
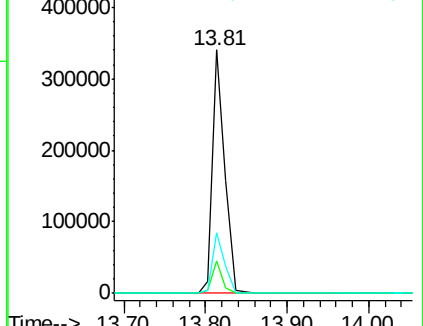
236 24.7 20.6 31.0



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



#77

Pyrene

Concen: 2.19 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

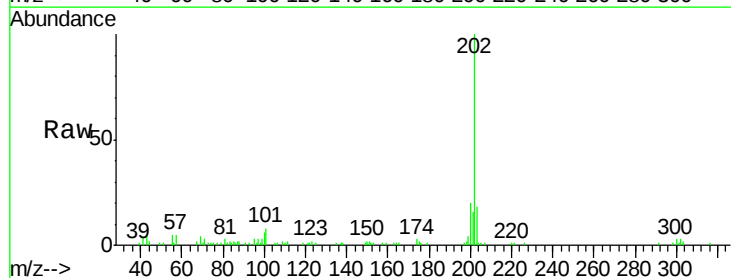
Tgt Ion:202 Resp: 60436

Ion Ratio Lower Upper

202 100

200 19.5 17.2 25.8

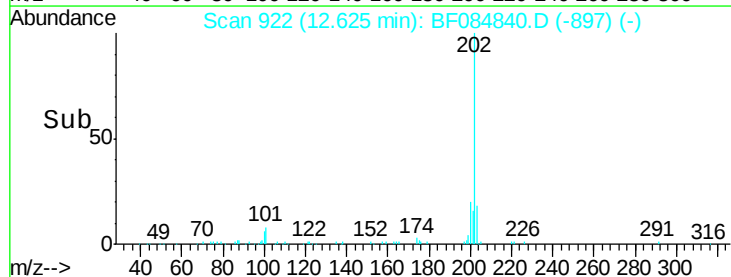
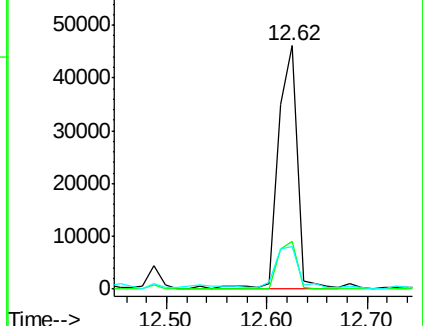
203 17.5 14.3 21.5

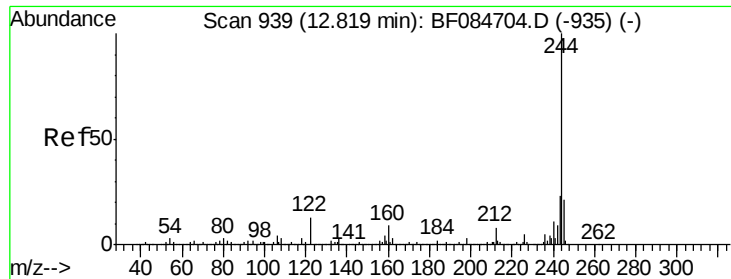


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 93.95 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF084840.D

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S4-B012(30-32)

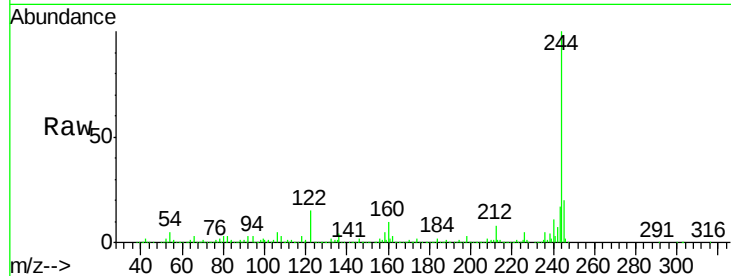
Tot Ion:244 Resp: 1495200

Ion Ratio Lower Upper

244 100

212 7.8 5.7 8.5

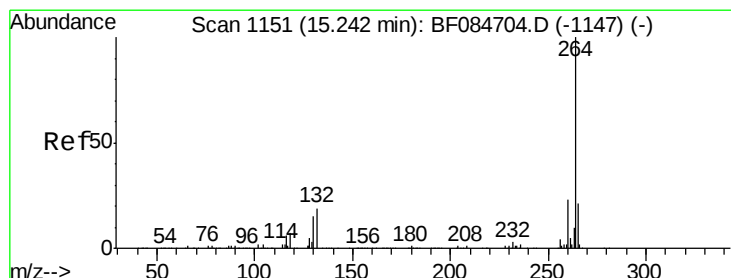
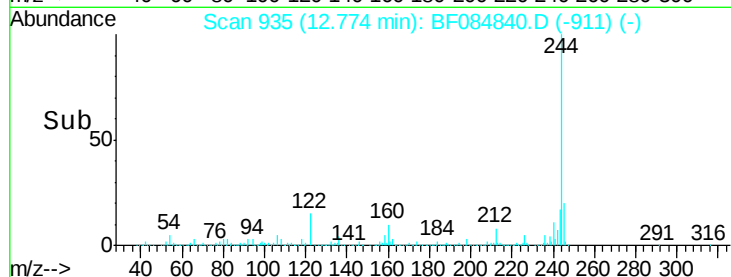
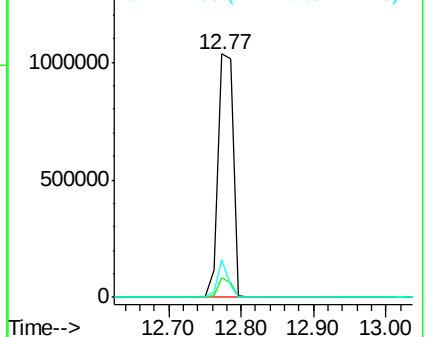
122 15.5 7.4 11.0#



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: 15.19 min Scan# 1146

Delta R.T. -0.02 min

Lab File: BF084840.D

Acq: 4 Feb 2016 20:40

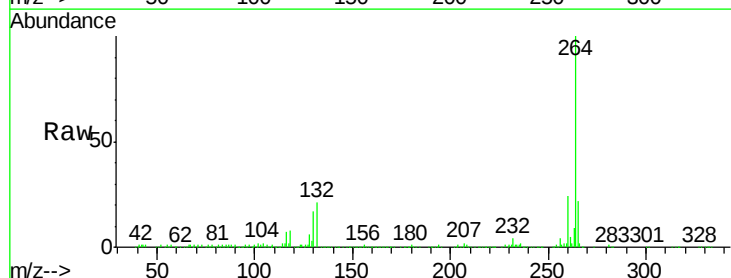
Tgt Ion:264 Resp: 326942

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 22.0 17.8 26.6



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

