

Data Path : V:\HPCHEM1\BNA F\DATA\BF112015\
 Data File : BF083089.D
 Acq On : 20 Nov 2015 19:31
 Operator : UM/IZ
 Sample : G4426-05DL2 50X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DL2

Quant Time: Nov 20 23:48:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 01:33:39 2015
 Response via : Initial Calibration

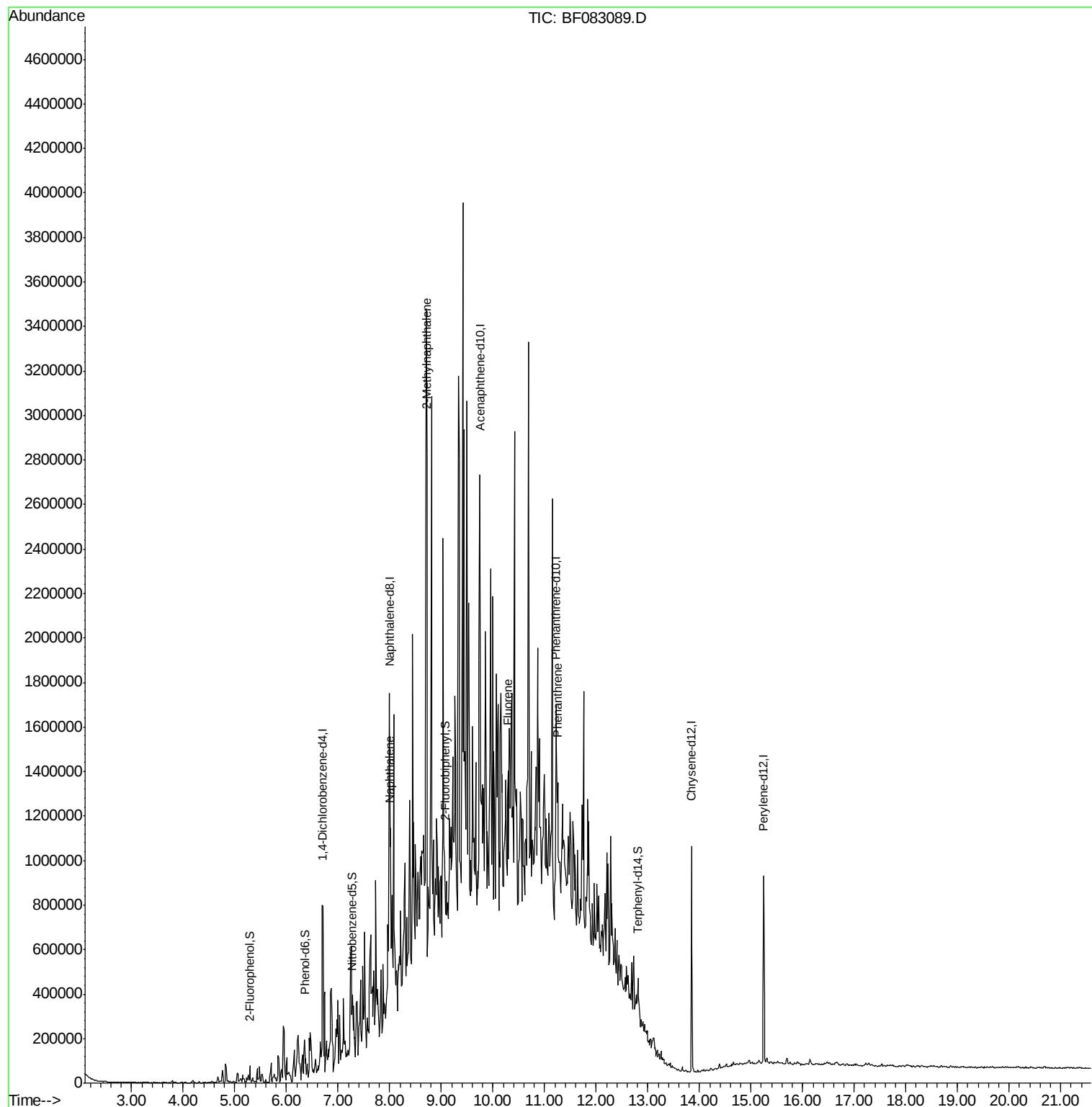
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	142997	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	560093	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	275479	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	451564	20.00	ng	0.00
75) Chrysene-d12	13.85	240	425105	20.00	ng	-0.01
86) Perylene-d12	15.24	264	364253	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	22558	2.45	ng	0.00
7) Phenol-d6	6.35	99	39302	3.24	ng	0.00
23) Nitrobenzene-d5	7.26	82	35469	2.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	2562	0.88	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	56608	2.77	ng	-0.01
78) Terphenyl-d14	12.81	244	46600	2.59	ng	0.00
Target Compounds						
31) Naphthalene	8.01	128	387319	13.27	ng	Qvalue 98
37) 2-Methylnaphthalene	8.72	142	1003649	51.66	ng	96
57) Fluorene	10.29	166	103439	5.00	ng	# 90
70) Phenanthrene	11.25	178	295749	10.86	ng	# 93

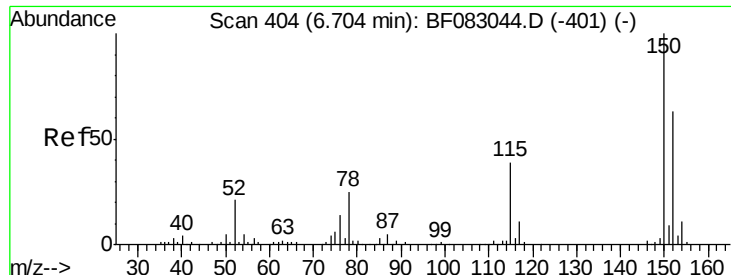
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

SB-5DL2

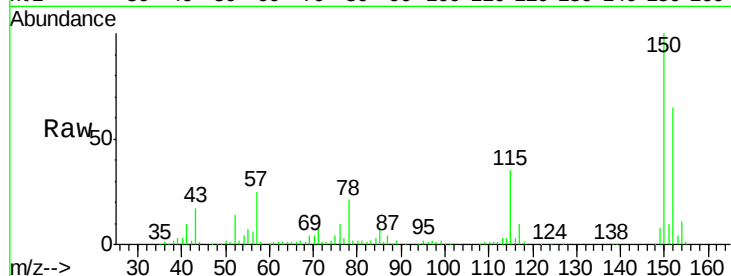
Tot Ion:152 Resp: 142997

Ion Ratio Lower Upper

152 100

150 153.6 126.4 189.6

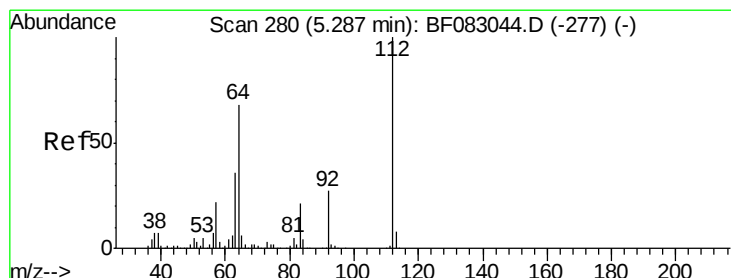
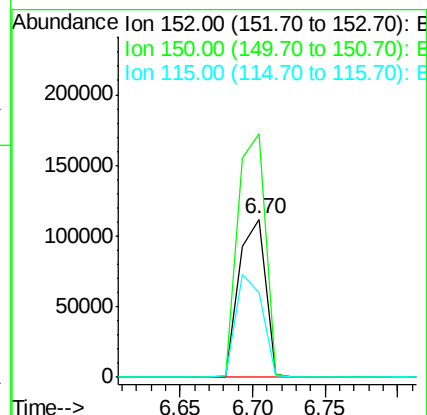
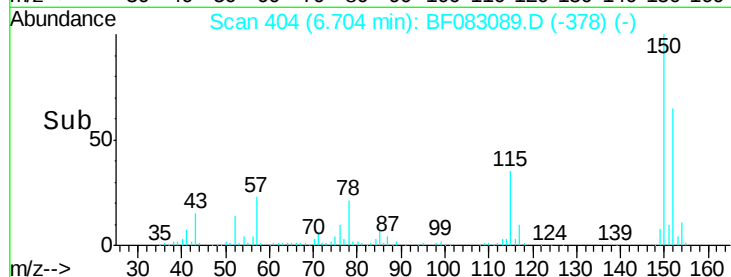
115 53.7 49.0 73.6



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: 2.45 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

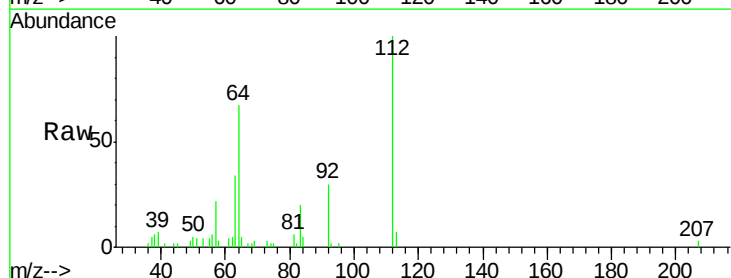
Tgt Ion:112 Resp: 22558

Ion Ratio Lower Upper

112 100

64 66.9 54.8 82.2

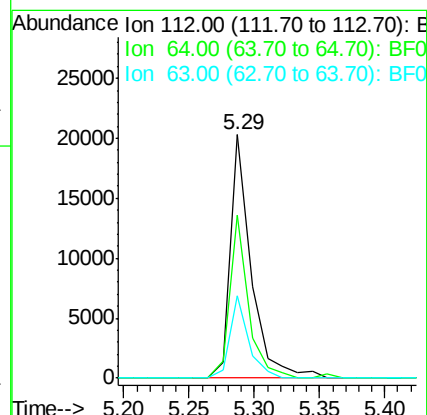
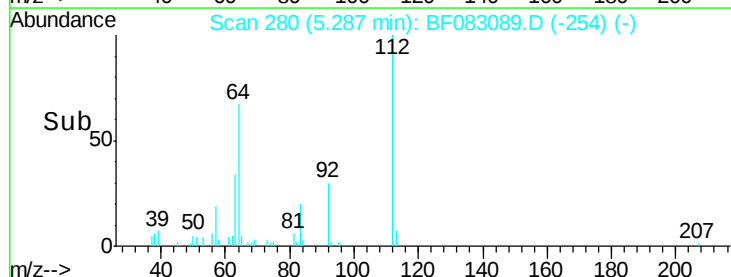
63 33.8 29.0 43.4

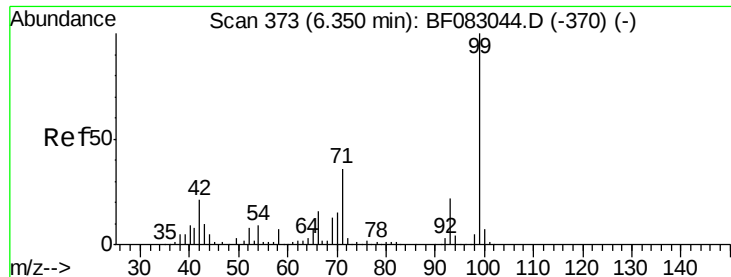


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.24 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

SB-5DL2

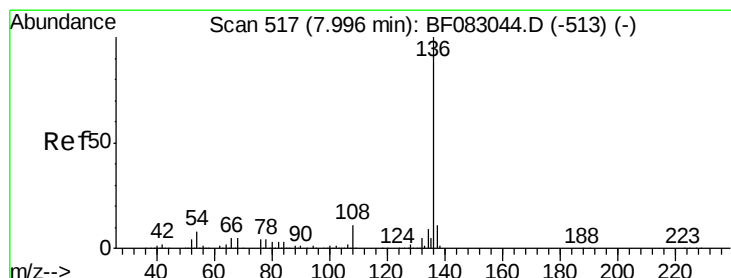
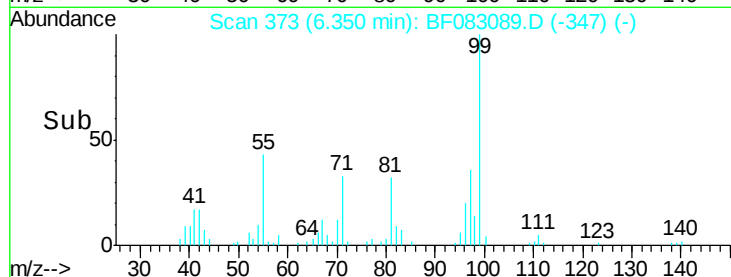
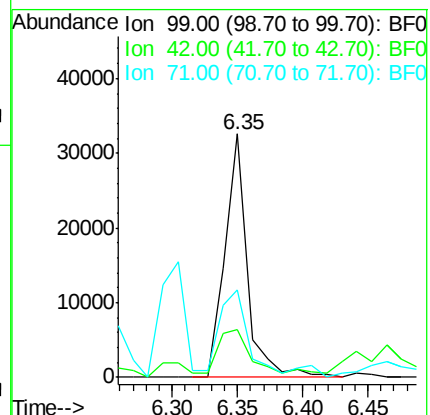
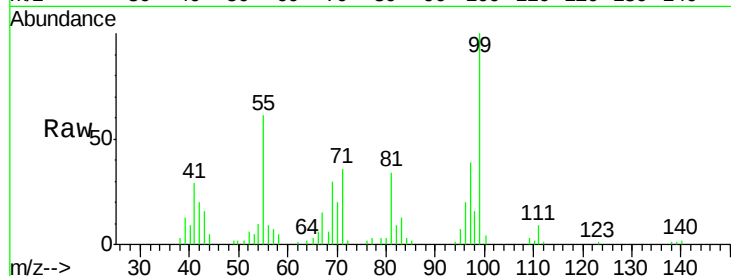
Tot Ion: 99 Resp: 39302

Ion Ratio Lower Upper

99 100

42 19.7 16.6 25.0

71 36.1 29.2 43.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Tgt Ion: 136 Resp: 560093

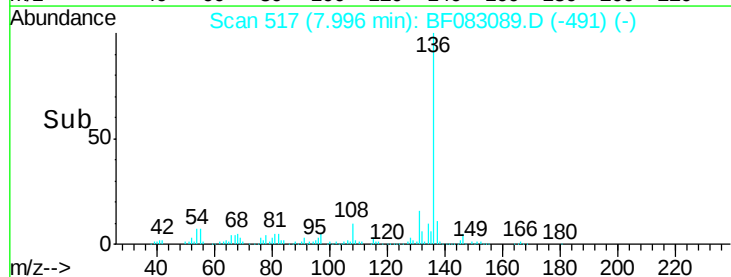
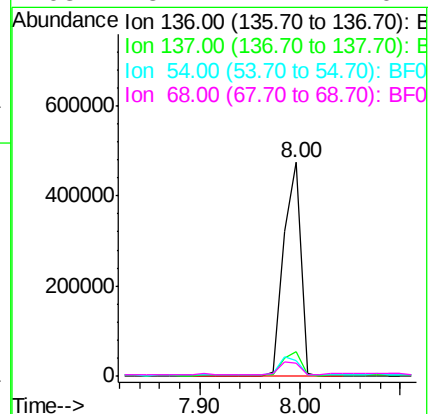
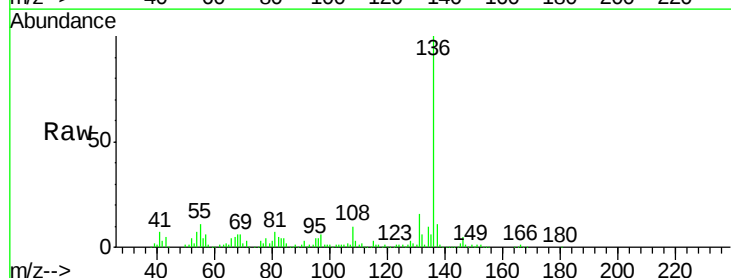
Ion Ratio Lower Upper

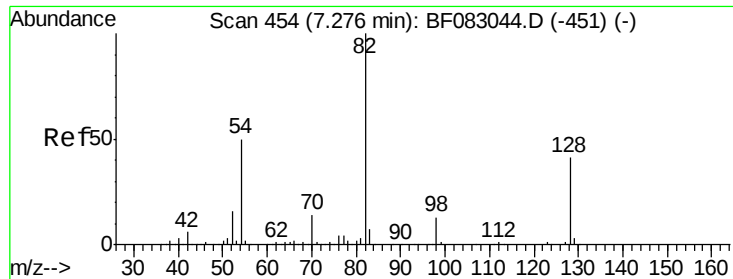
136 100

137 11.2 8.6 12.8

54 7.2 6.2 9.2

68 5.7 4.2 6.2

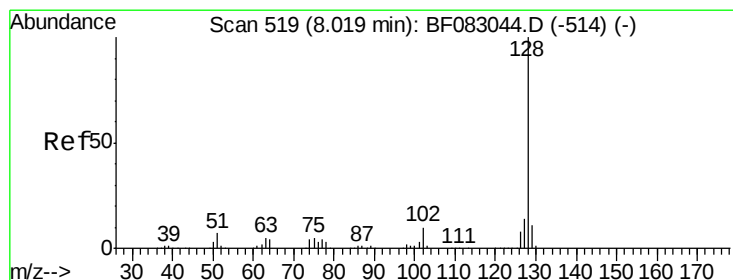
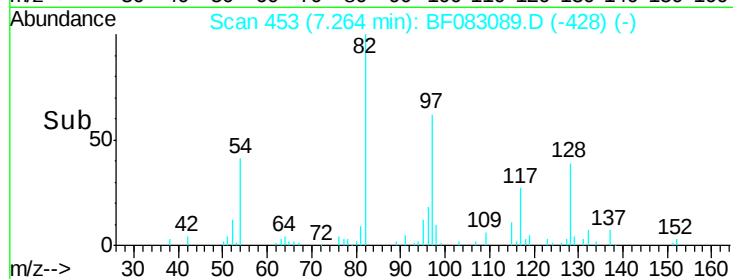
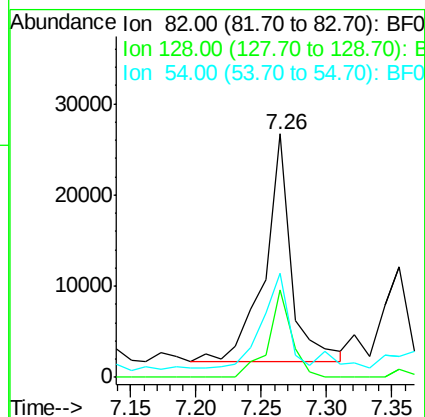
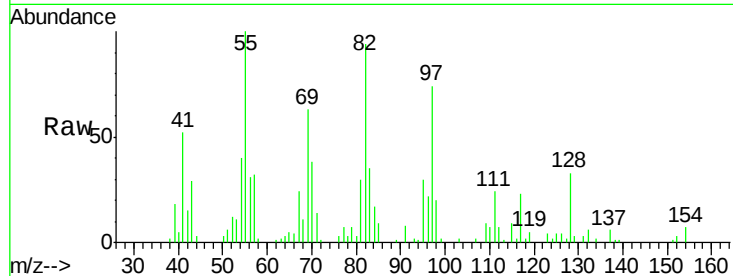




#23
 Nitrobenzene-d5
 Concen: 2.90 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

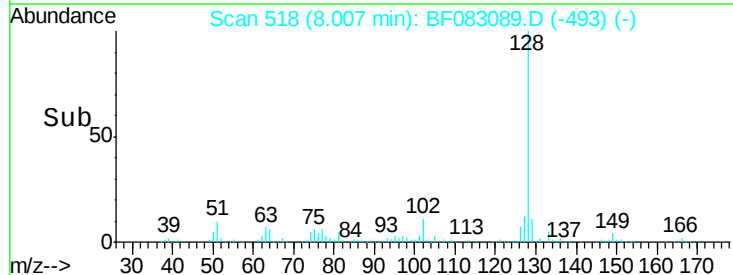
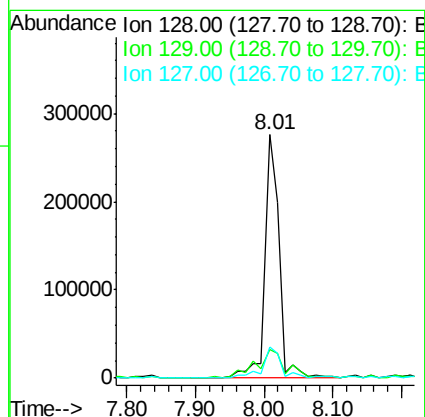
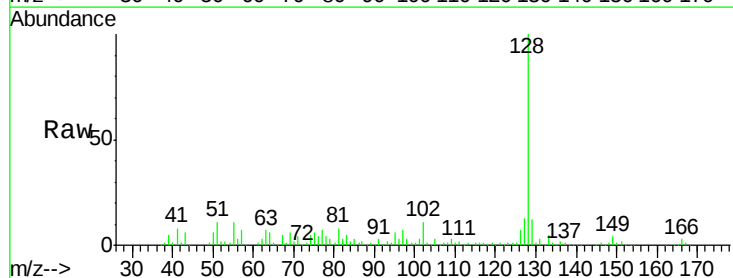
Instrument :
 BNA_F
 ClientSampleId :
 SB-5DL2

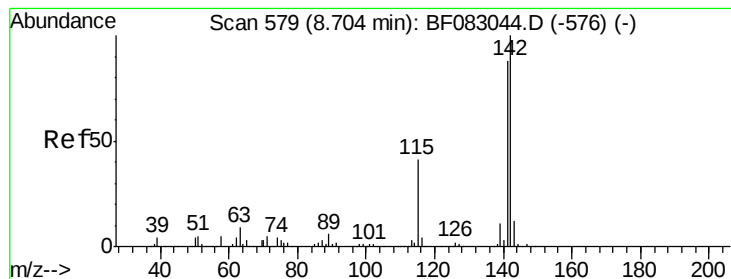
Tot Ion: 82 Resp: 35469
 Ion Ratio Lower Upper
 82 100
 128 35.8 33.1 49.7
 54 42.7 39.8 59.6



#31
 Naphthalene
 Concen: 13.27 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

Tgt Ion: 128 Resp: 387319
 Ion Ratio Lower Upper
 128 100
 129 11.7 9.0 13.4
 127 12.7 10.9 16.3

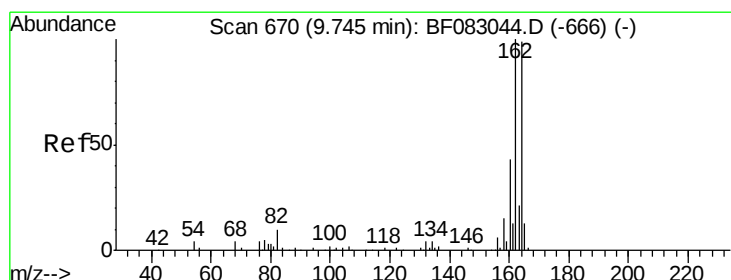
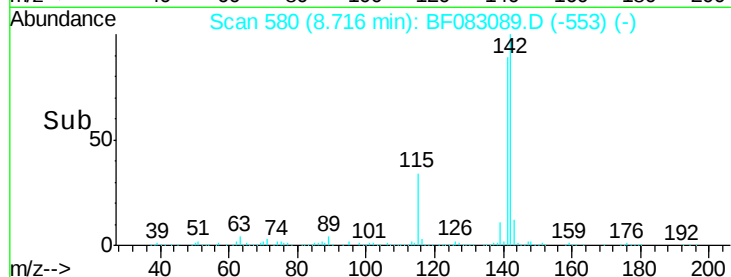
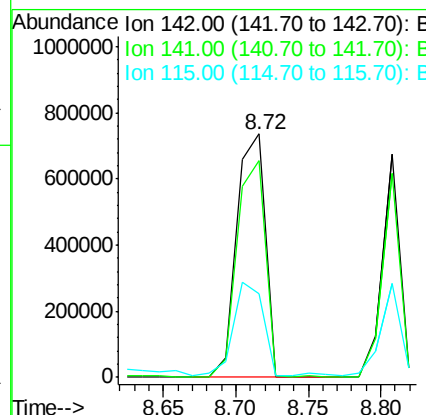
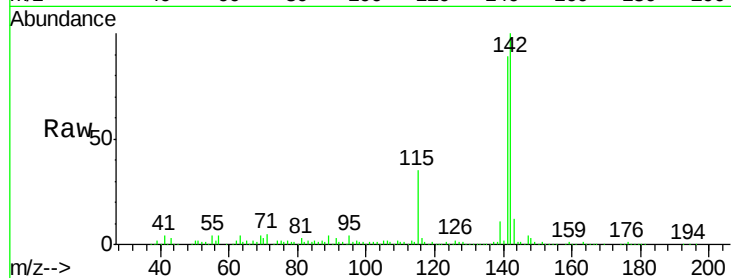




#37
2-Methylnaphthalene
Concen: 51.66 ng
RT: 8.72 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

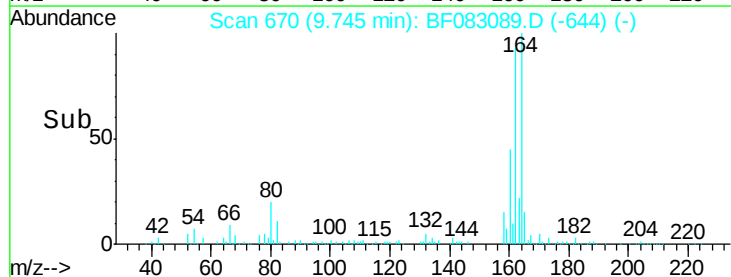
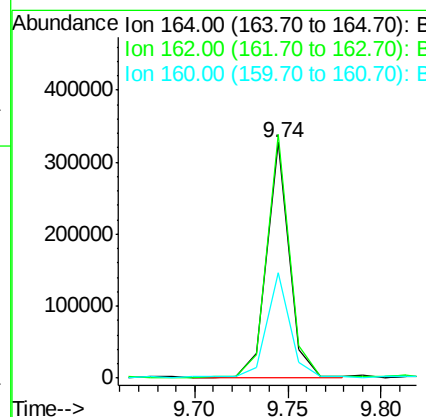
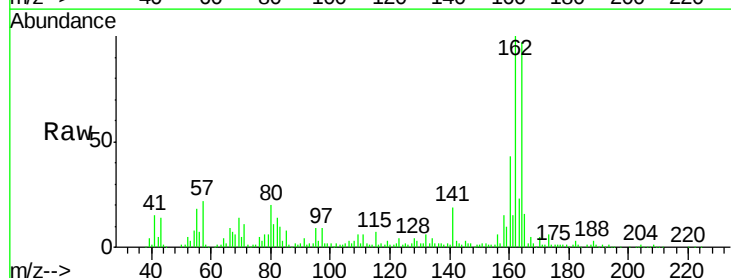
Instrument :
BNA_F
ClientSampleID :
SB-5DL2

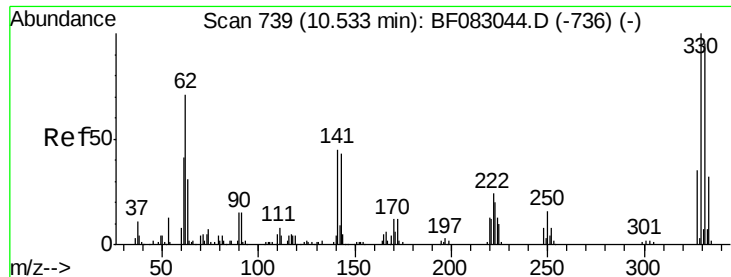
Tot Ion:142 Resp: 1003649
Ion Ratio Lower Upper
142 100
141 89.2 70.7 106.1
115 34.6 33.1 49.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF083089.D
Acq: 20 Nov 2015 19:31

Tgt Ion:164 Resp: 275479
Ion Ratio Lower Upper
164 100
162 103.4 80.5 120.7
160 44.8 35.0 52.4

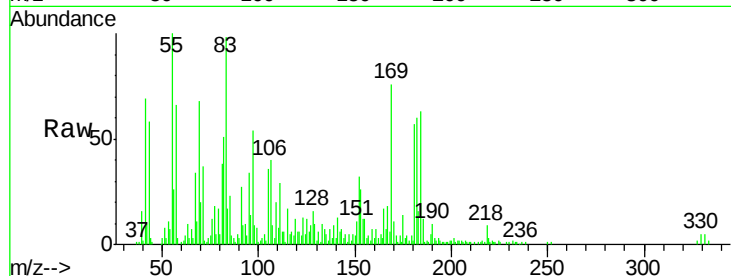




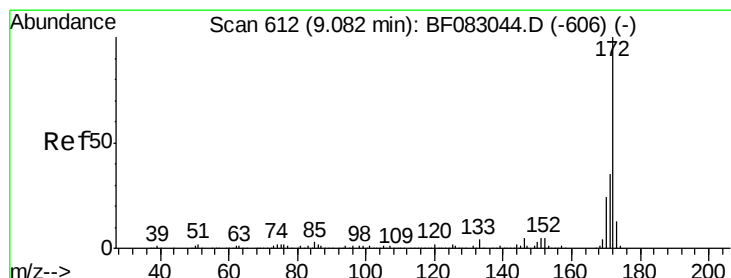
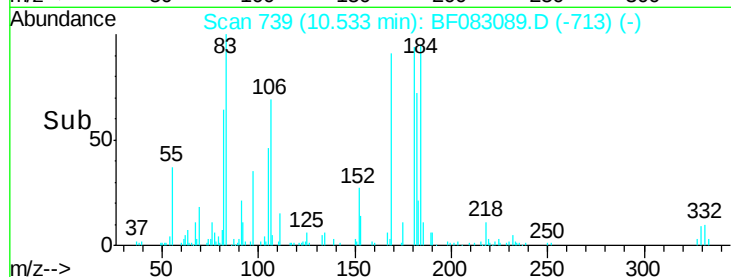
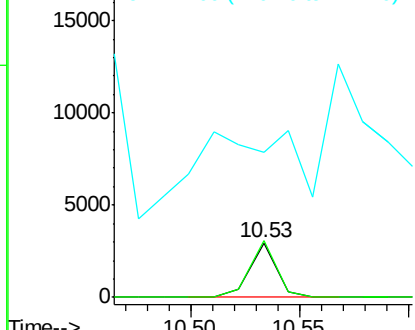
#41
 2,4,6-Tribromophenol
 Concen: 0.88 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-5DL2

Tot Ion:330 Resp: 2562
 Ion Ratio Lower Upper
 330 100
 332 101.7 77.6 116.4
 141 0.0 34.6 52.0#

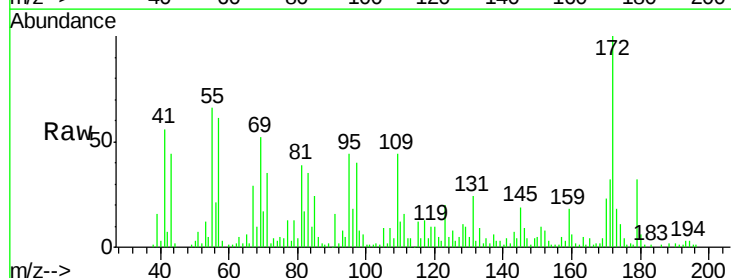


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

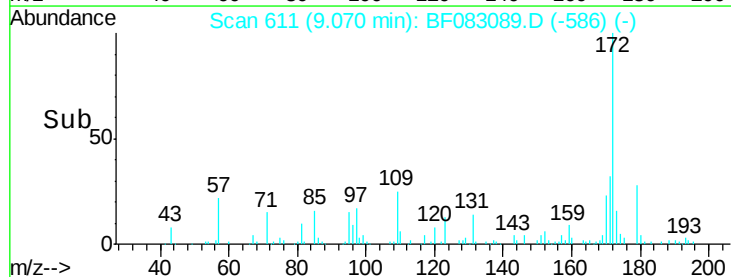
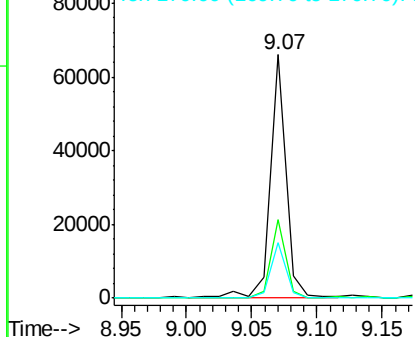


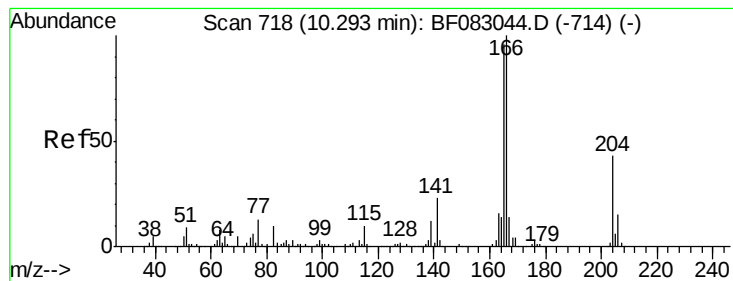
#44
 2-Fluorobiphenyl
 Concen: 2.77 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF083089.D
 Acq: 20 Nov 2015 19:31

Tgt Ion:172 Resp: 56608
 Ion Ratio Lower Upper
 172 100
 171 32.3 28.2 42.4
 170 22.8 19.4 29.0



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





#57

Fluorene

Concen: 5.00 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

SB-5DL2

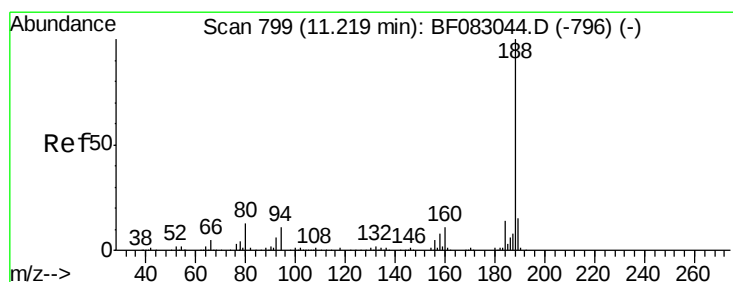
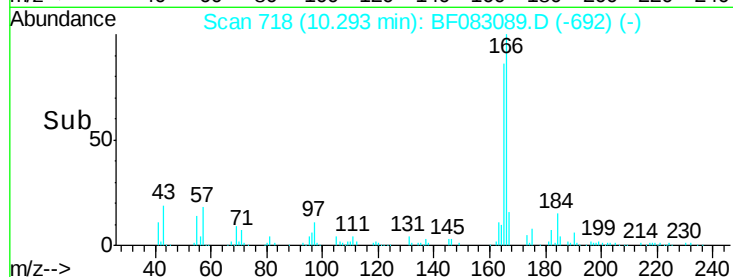
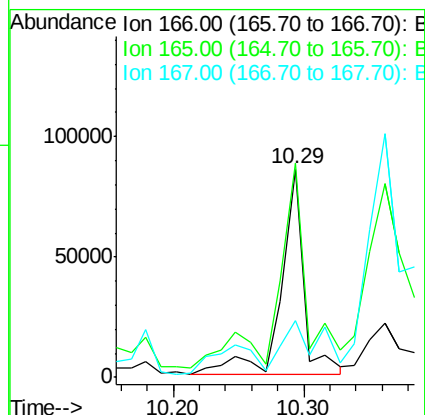
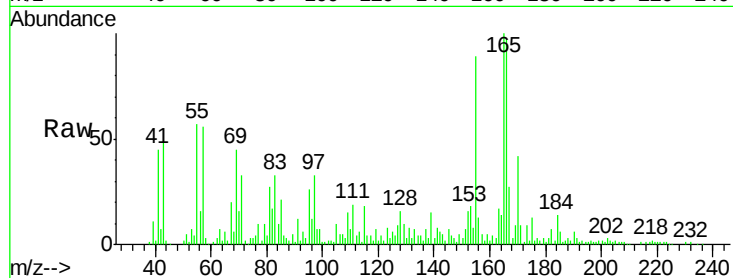
Tot Ion:166 Resp: 103439

Ion Ratio Lower Upper

166 100

165 102.9 77.1 115.7

167 27.4 11.0 16.4#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 799

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

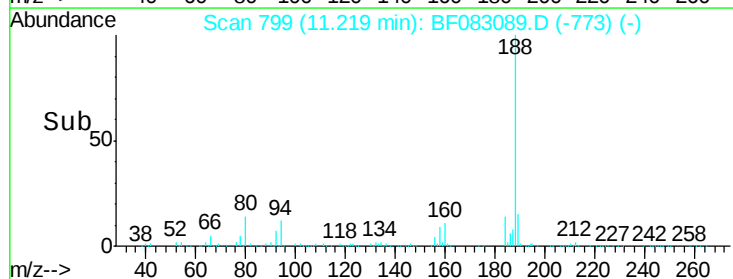
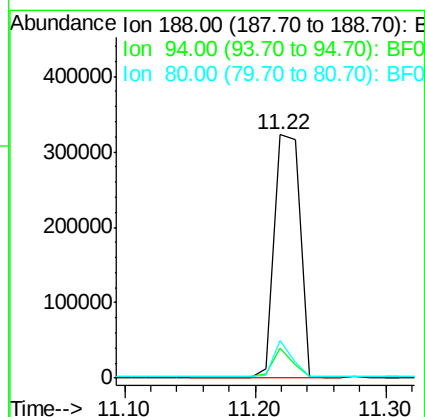
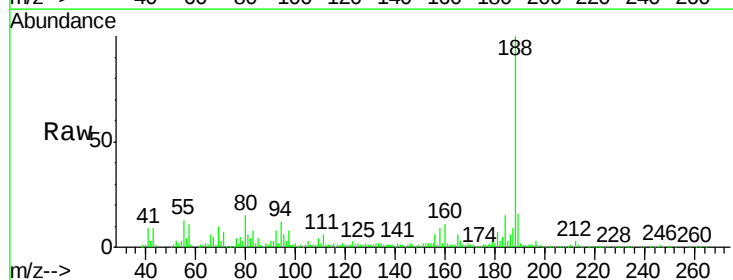
Tgt Ion:188 Resp: 451564

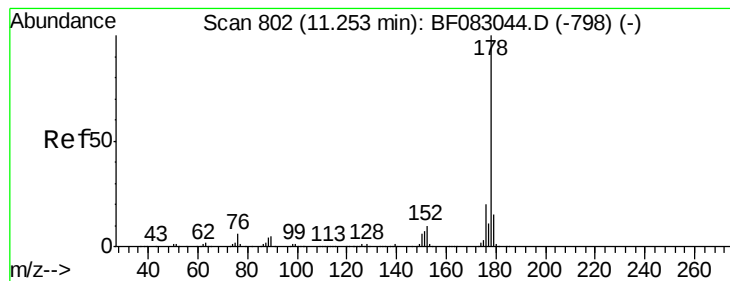
Ion Ratio Lower Upper

188 100

94 12.3 9.0 13.4

80 15.2 10.2 15.4





#70

Phenanthrene

Concen: 10.86 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampled :

SB-5DL2

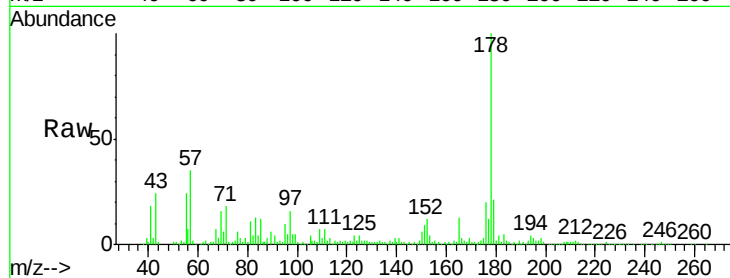
Tot Ion:178 Resp: 295749

Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

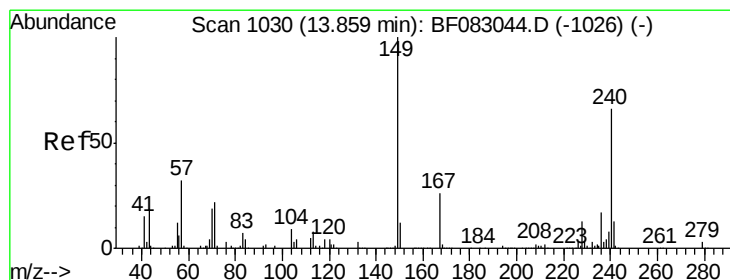
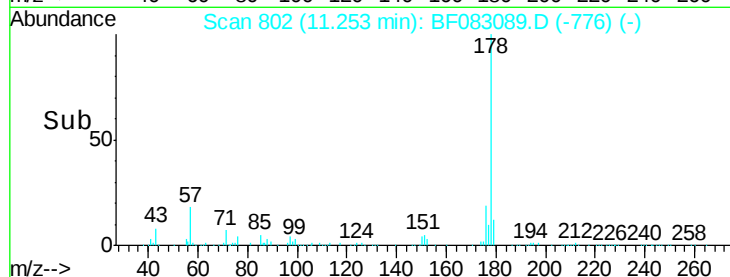
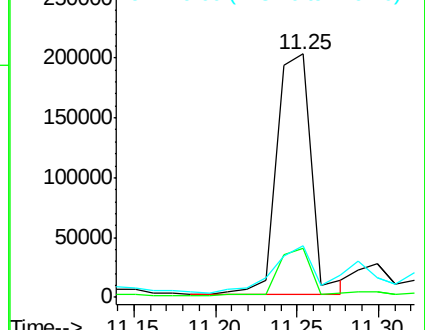
179 21.3 12.3 18.5#



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: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

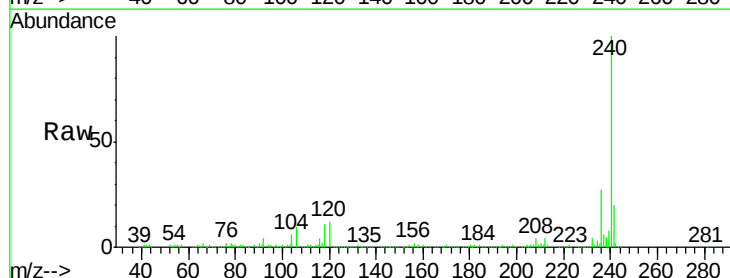
Tgt Ion:240 Resp: 425105

Ion Ratio Lower Upper

240 100

120 12.4 5.3 7.9#

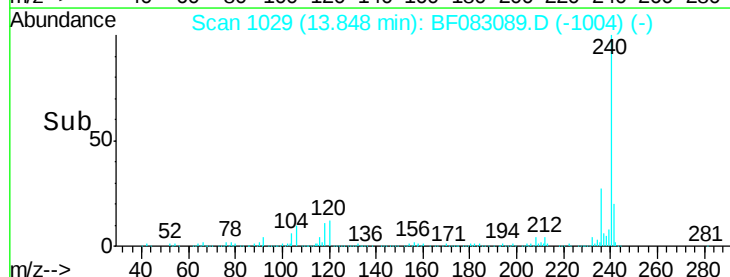
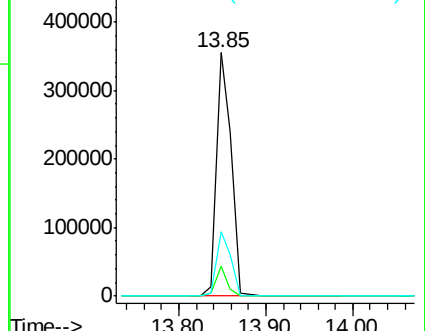
236 26.7 20.4 30.6

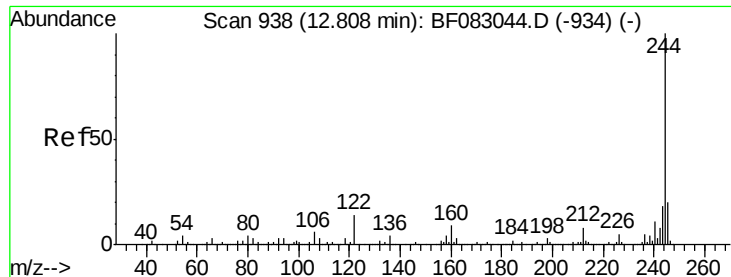


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 2.59 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

Instrument :

BNA_F

ClientSampleId :

SB-5DL2

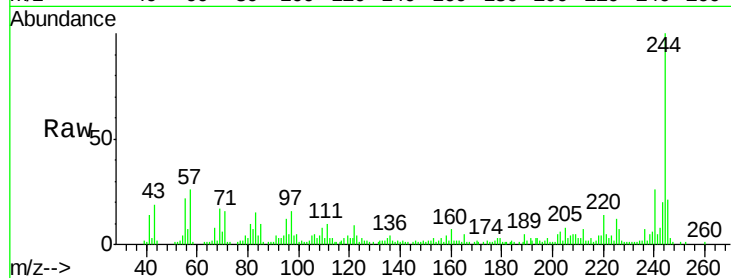
Tot Ion:244 Resp: 46600

Ion Ratio Lower Upper

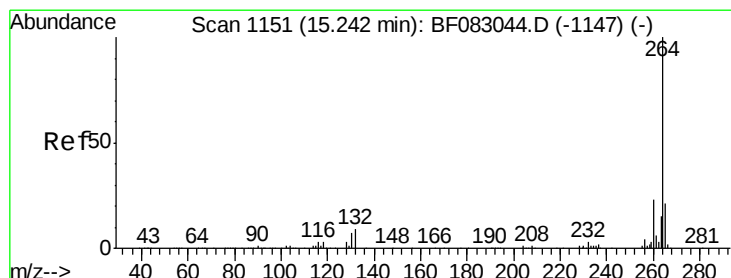
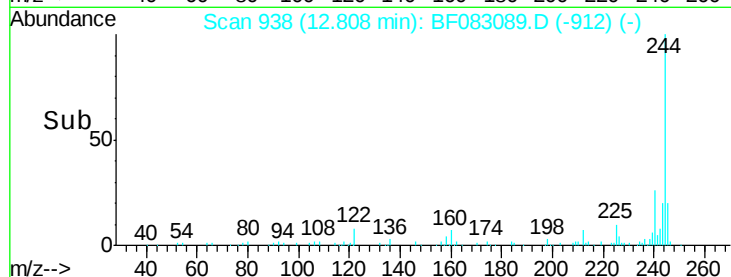
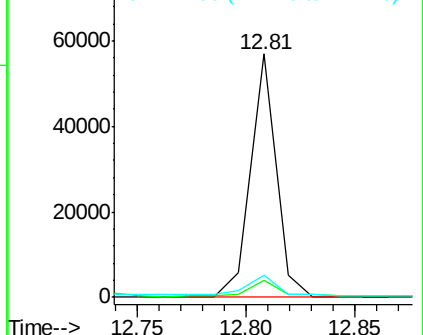
244 100

212 6.8 6.4 9.6

122 8.9 10.9 16.3#



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: 15.24 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF083089.D

Acq: 20 Nov 2015 19:31

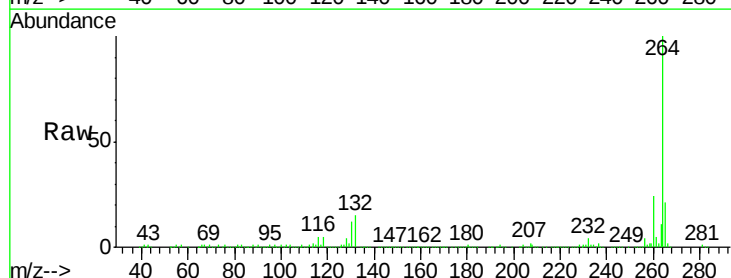
Tgt Ion:264 Resp: 364253

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 21.5 17.0 25.6



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

