

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
 Data File : BF083616.D
 Acq On : 9 Dec 2015 1:50
 Operator : UM/IZ
 Sample : G4637-05 25X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY4

Quant Time: Dec 09 03:13:07 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

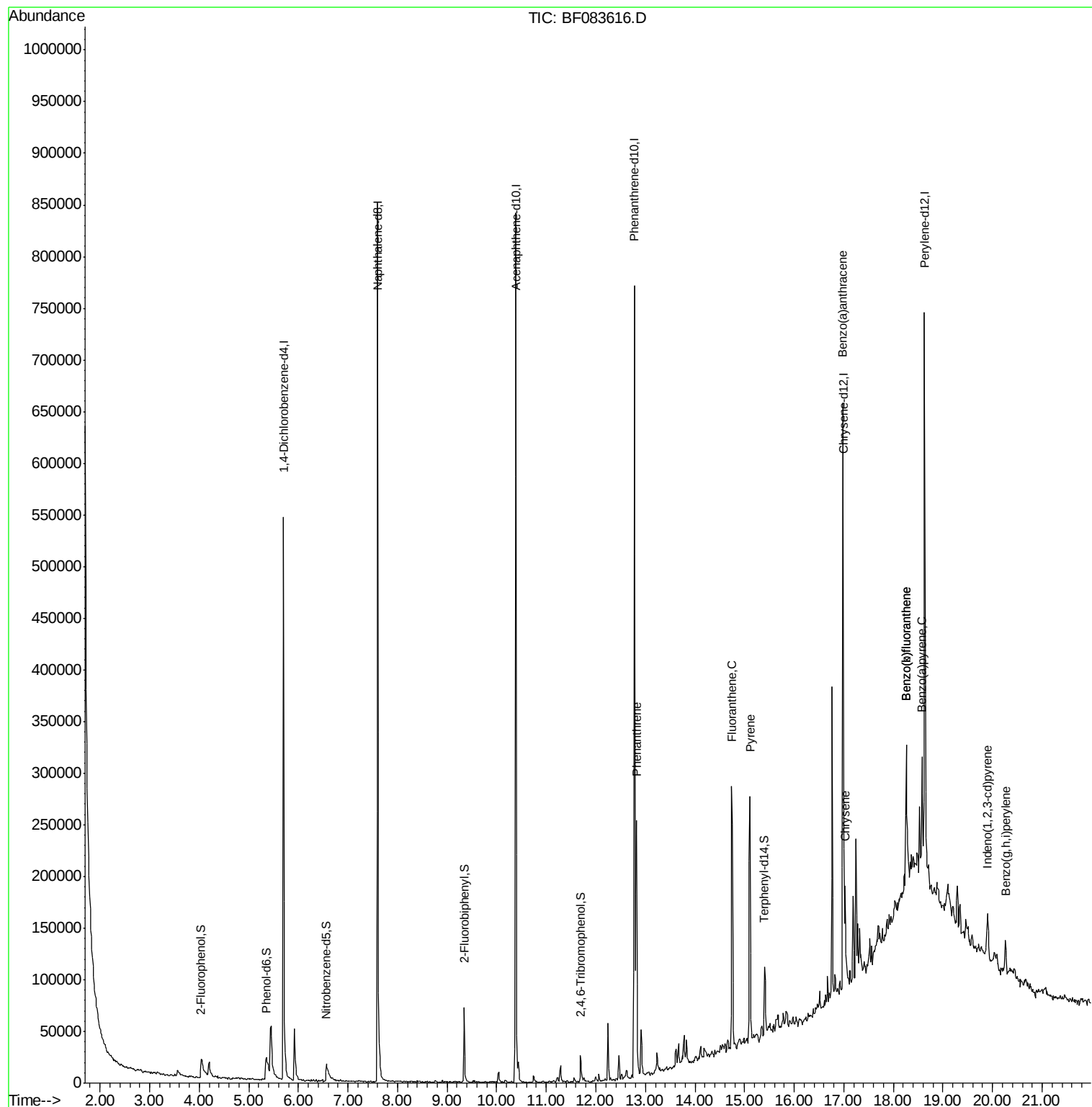
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.70	152	142949	20.00	ng	0.00
21) Naphthalene-d8	7.60	136	543070	20.00	ng	-0.01
38) Acenaphthene-d10	10.38	164	258010	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	411567	20.00	ng	-0.01
75) Chrysene-d12	16.99	240	271391	20.00	ng	0.00
86) Perylene-d12	18.63	264	268434	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.04	112	27815	2.95	ng	0.07
7) Phenol-d6	5.36	99	41331	3.28	ng	0.08
23) Nitrobenzene-d5	6.57	82	26841	2.31	ng	0.03
41) 2,4,6-Tribromophenol	11.70	330	6623	2.88	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	42531	2.32	ng	0.00
78) Terphenyl-d14	15.40	244	26120	2.26	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	12.82	178	158044	6.68	ng	99
74) Fluoranthene	14.74	202	180842	7.48	ng	98
77) Pyrene	15.11	202	141075	7.22	ng	97
80) Benzo(a)anthracene	16.98	228	67631	4.26	ng	96
82) Chrysene	17.03	228	58907	3.70	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	31350	2.92	ng	# 100
87) Benzo(b)fluoranthene	18.26	252	104934	6.86	ng	98
88) Benzo(k)fluoranthene	18.26	252	104934	6.23	ng	98
89) Benzo(a)pyrene	18.58	252	54107	3.63	ng	93
91) Benzo(g,h,i)perylene	20.26	276	28345	2.55	ng	93

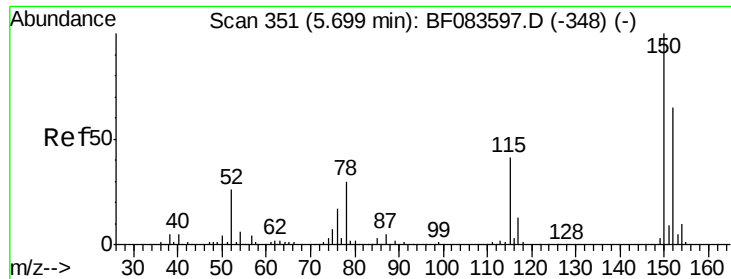
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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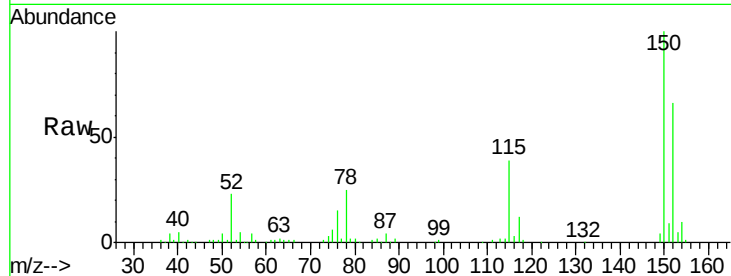




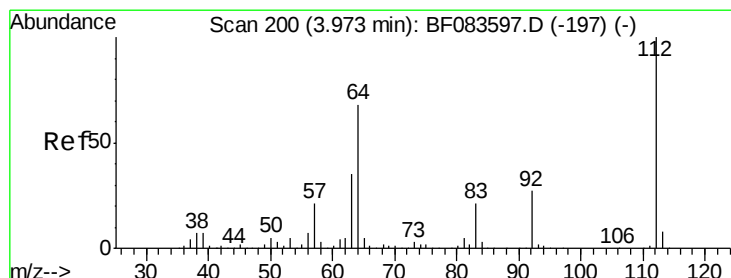
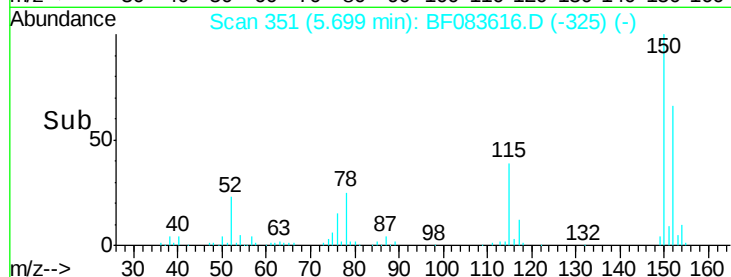
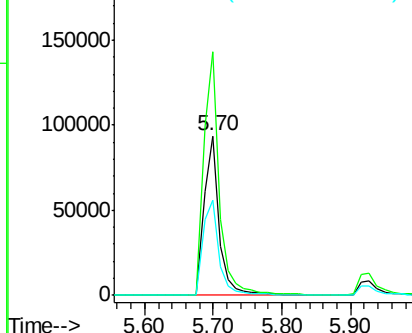
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.70 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Instrument :
 BNA_F
 ClientSampleId :
 PCPY4

Tgt Ion:152 Resp: 142949
 Ion Ratio Lower Upper
 152 100
 150 152.5 126.5 189.7
 115 59.2 52.3 78.5

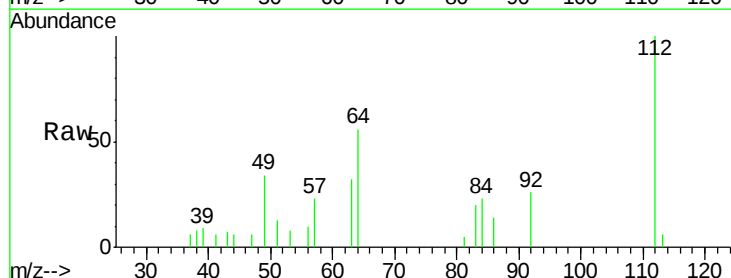


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

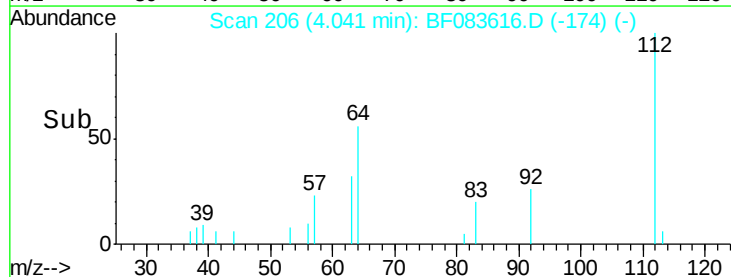
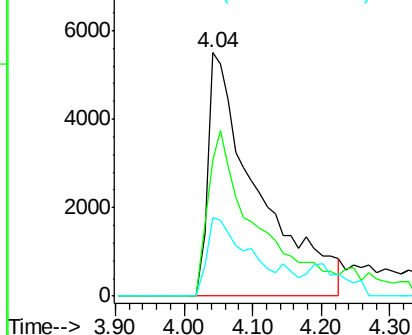


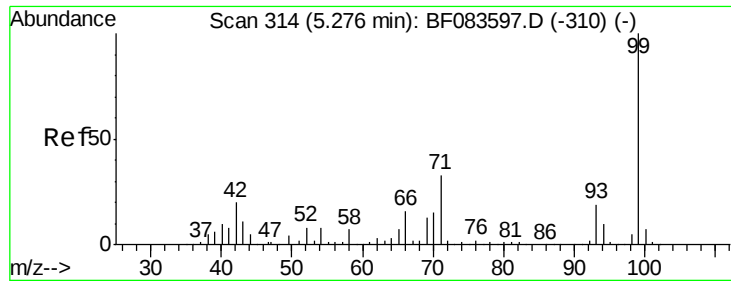
#5
 2-Fluorophenol
 Concen: 2.95 ng
 RT: 4.04 min Scan# 206
 Delta R.T. 0.07 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Tgt Ion:112 Resp: 27815
 Ion Ratio Lower Upper
 112 100
 64 55.8 50.5 75.7
 63 32.1 25.8 38.6



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: 3.28 ng

RT: 5.36 min Scan# 321

Delta R.T. 0.08 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

ClientSampleId :

PCPY4

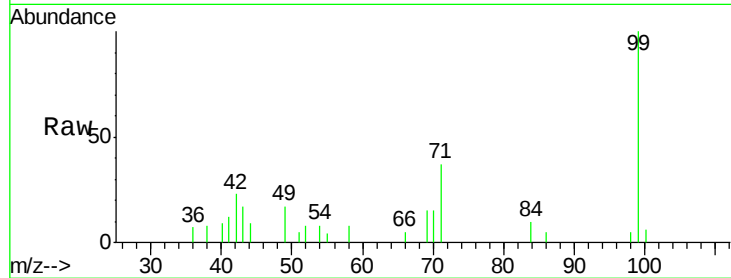
Tgt Ion: 99 Resp: 41331

Ion Ratio Lower Upper

99 100

42 23.1 17.3 25.9

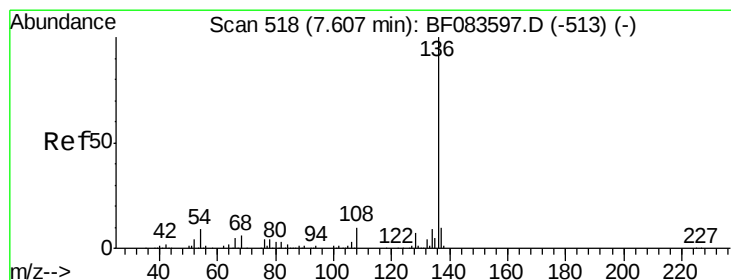
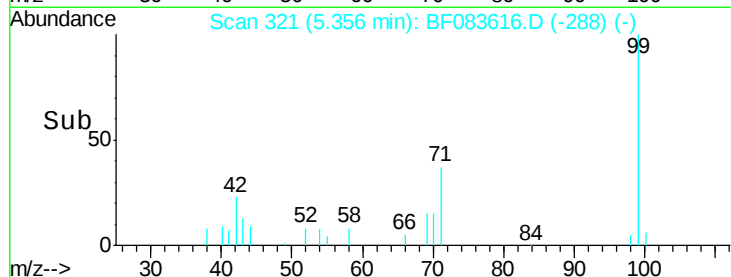
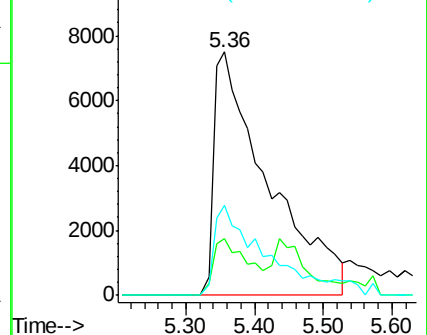
71 37.2 26.6 40.0



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: 7.60 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Tgt Ion: 136 Resp: 543070

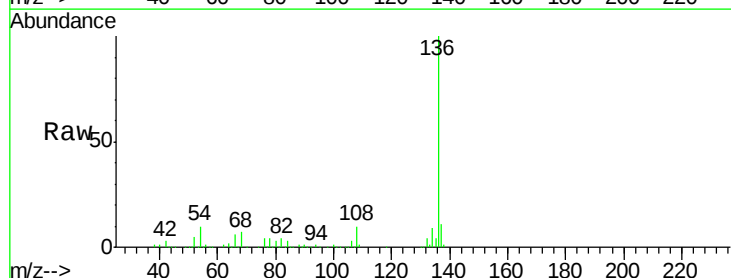
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 9.8 7.8 11.6

68 7.0 5.7 8.5

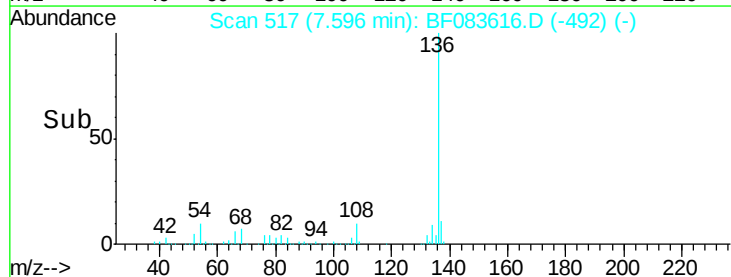
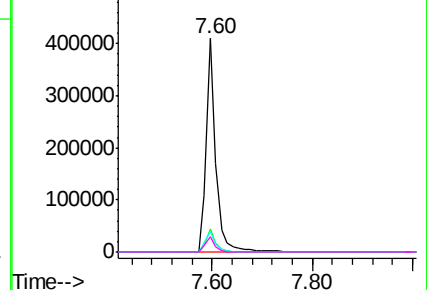


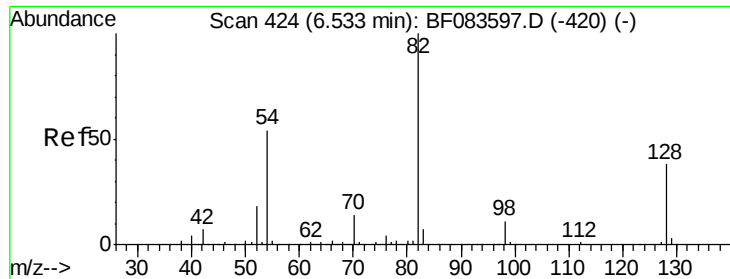
Abundance Ion 136.00 (135.70 to 136.70): E

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

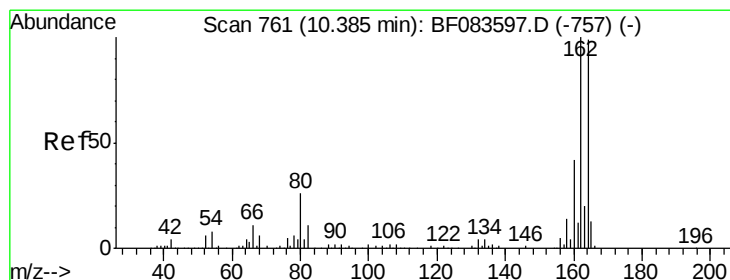
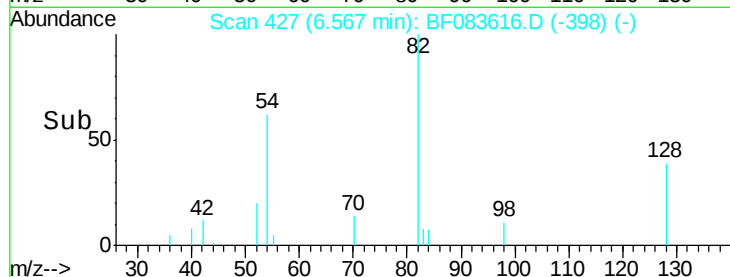
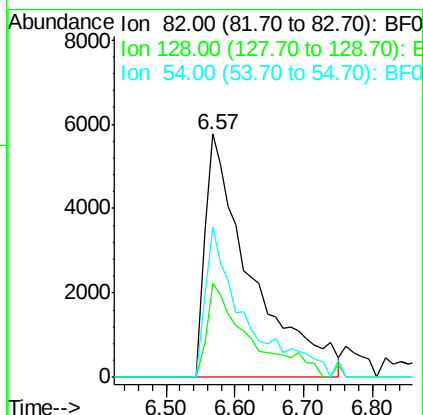
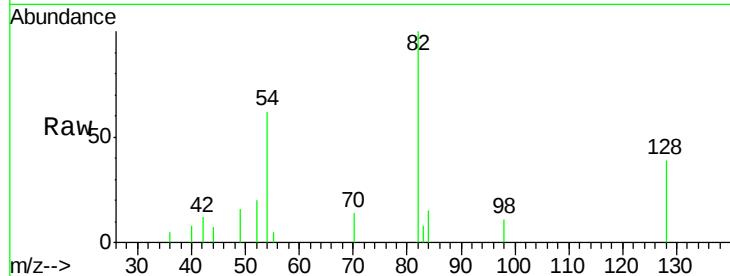




#23
Nitrobenzene-d5
Concen: 2.31 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.03 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

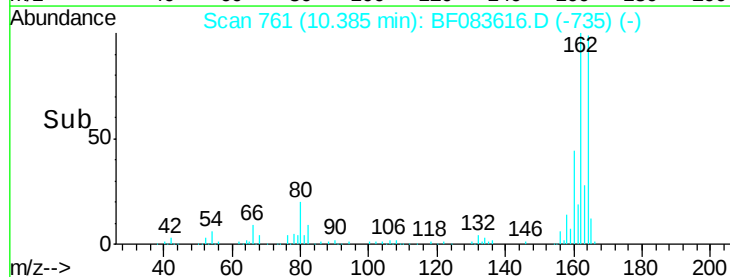
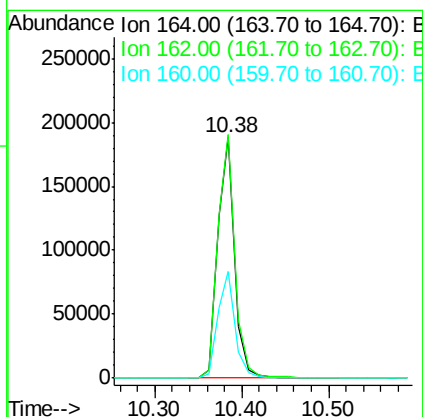
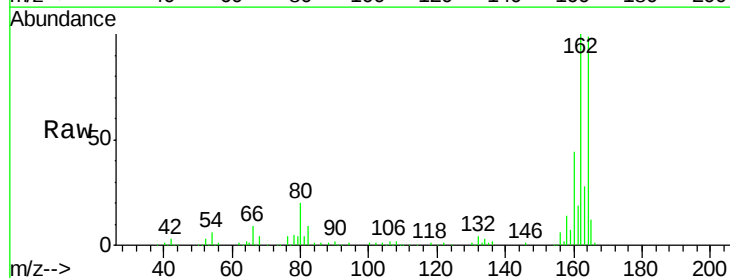
Instrument :
BNA_F
ClientSampleId :
PCPY4

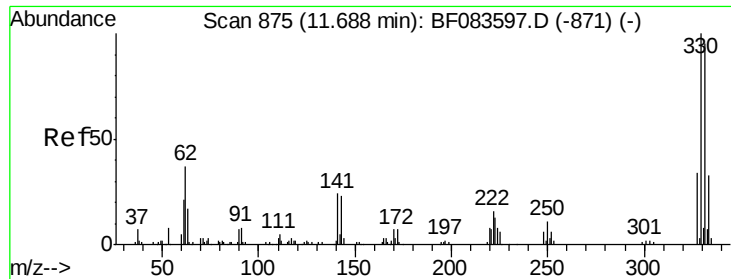
Tgt Ion: 82 Resp: 26841
Ion Ratio Lower Upper
82 100
128 38.6 30.7 46.1
54 61.6 42.5 63.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.38 min Scan# 761
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion: 164 Resp: 258010
Ion Ratio Lower Upper
164 100
162 101.1 78.8 118.2
160 44.2 33.4 50.2

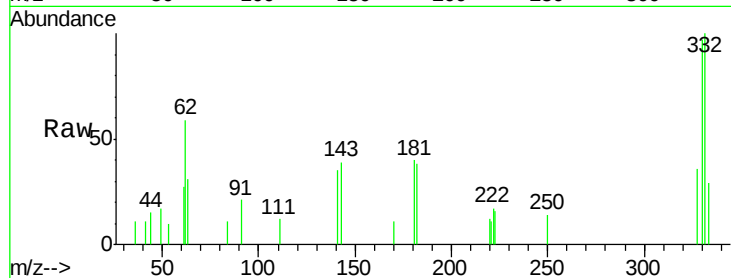




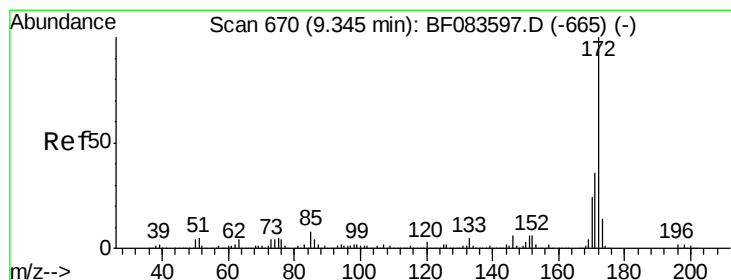
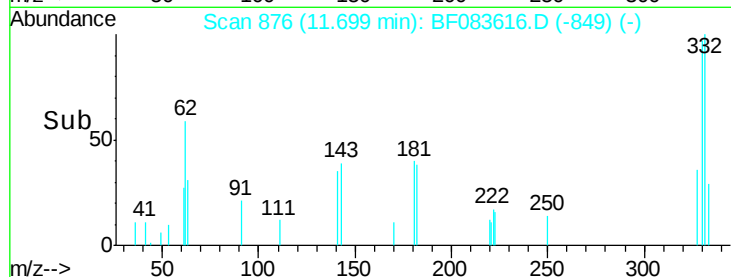
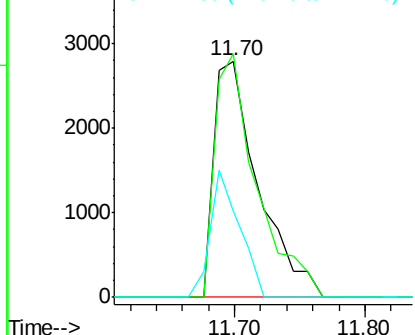
#41
 2,4,6-Tribromophenol
 Concen: 2.88 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Instrument :
 BNA_F
 ClientSampleId :
 PCPY4

Tgt Ion:330 Resp: 6623
 Ion Ratio Lower Upper
 330 100
 332 97.5 0.0 0.0#
 141 35.2 0.0 0.0#

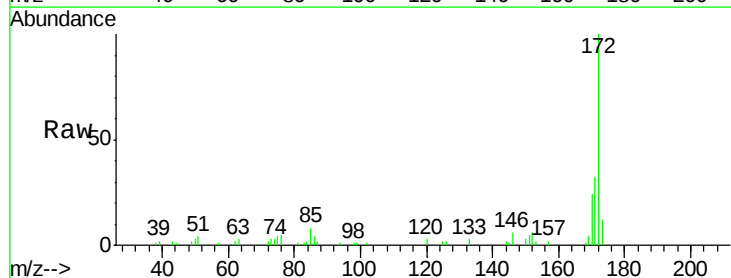


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

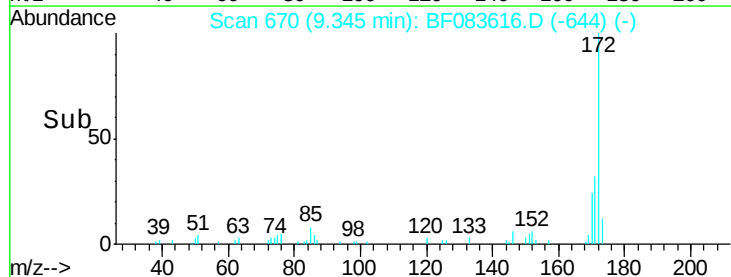
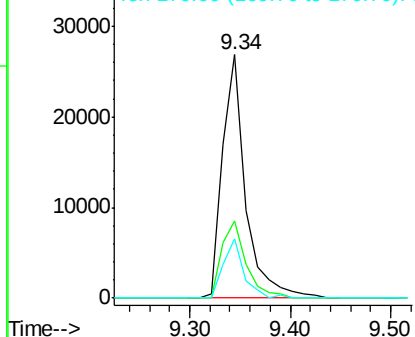


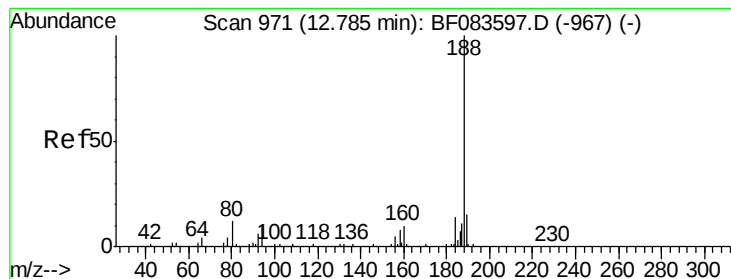
#44
 2-Fluorobiphenyl
 Concen: 2.32 ng
 RT: 9.34 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Tgt Ion:172 Resp: 42531
 Ion Ratio Lower Upper
 172 100
 171 31.5 28.6 42.8
 170 24.3 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.77 min Scan# 970

Delta R.T. -0.01 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

ClientSampleId :

PCPY4

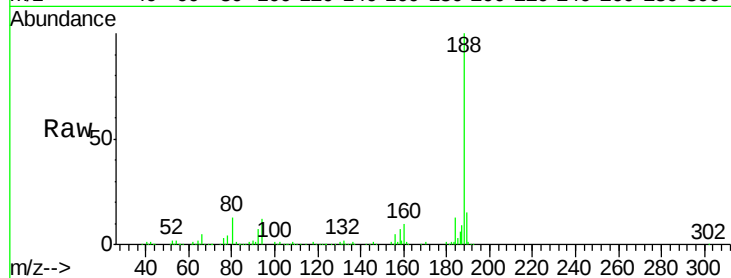
Tgt Ion:188 Resp: 411567

Ion Ratio Lower Upper

188 100

94 11.8 9.4 14.2

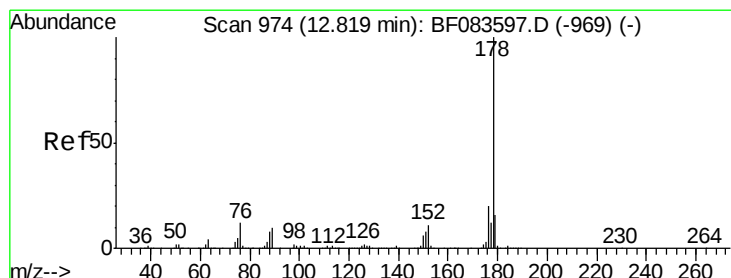
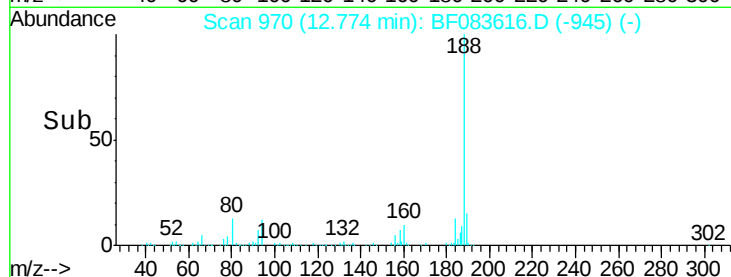
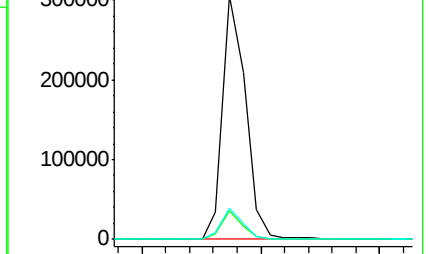
80 12.9 10.6 16.0



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: 6.68 ng

RT: 12.82 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

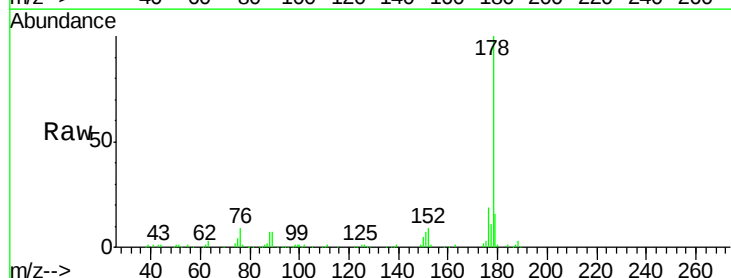
Tgt Ion:178 Resp: 158044

Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

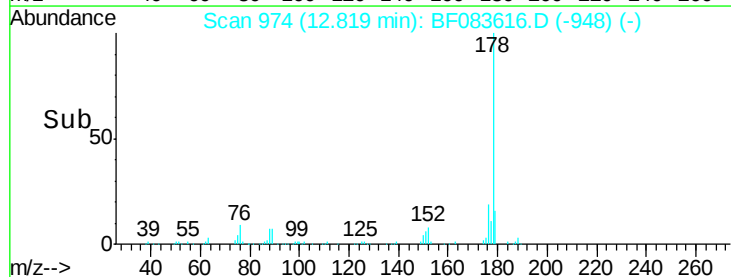
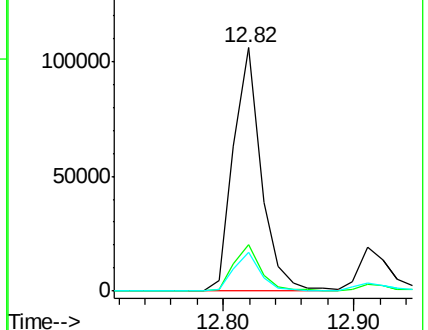
179 15.9 12.2 18.4

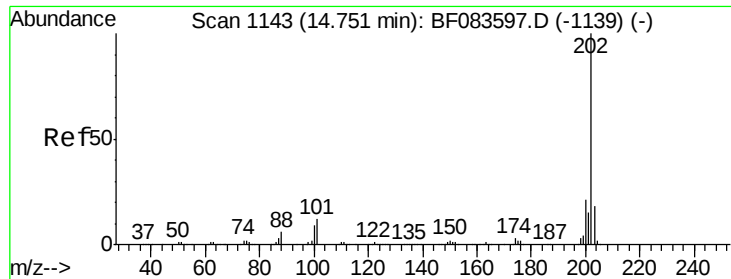


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.48 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

ClientSampleId :

PCPY4

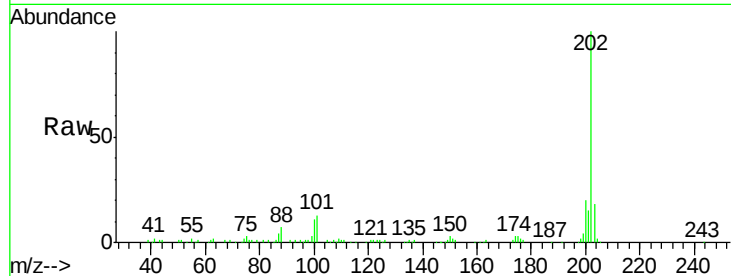
Tgt Ion: 202 Resp: 180842

Ion Ratio Lower Upper

202 100

101 13.5 0.0 31.5

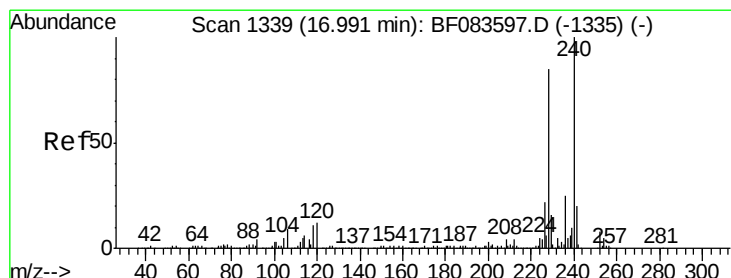
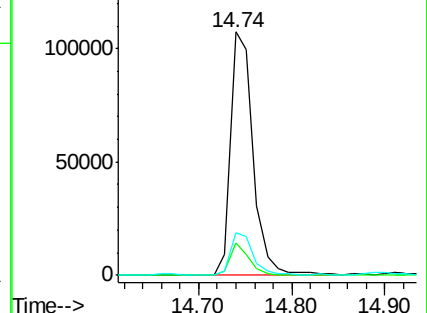
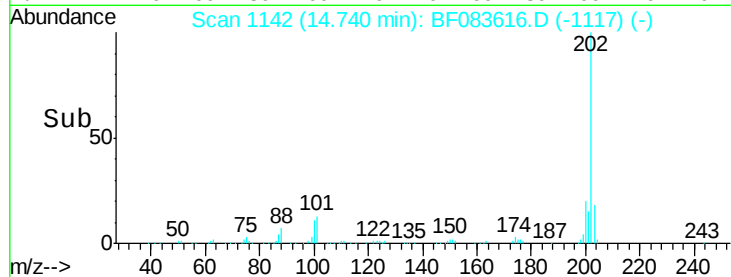
203 17.7 0.0 37.6



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: 16.99 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

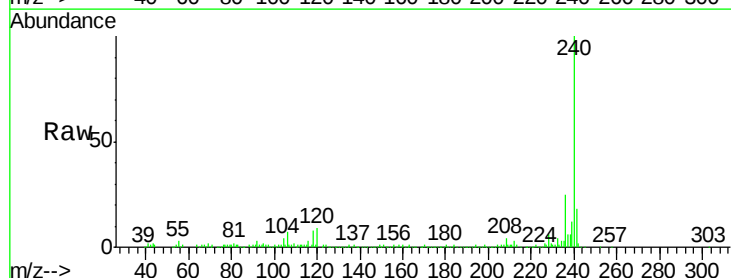
Tgt Ion: 240 Resp: 271391

Ion Ratio Lower Upper

240 100

120 8.6 8.1 12.1

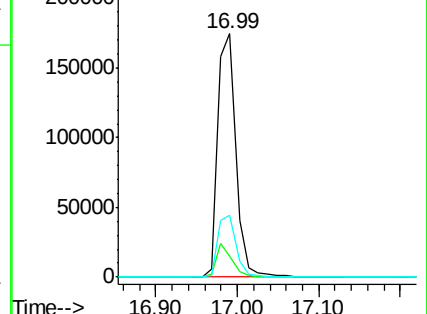
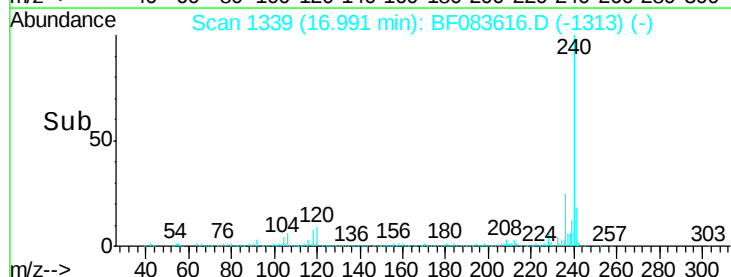
236 25.2 20.8 31.2

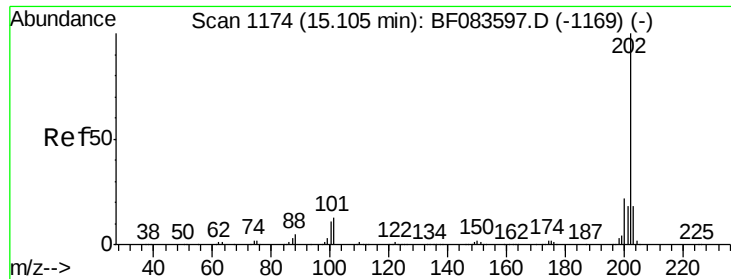


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

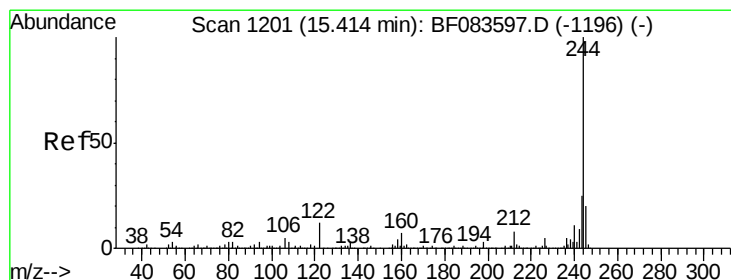
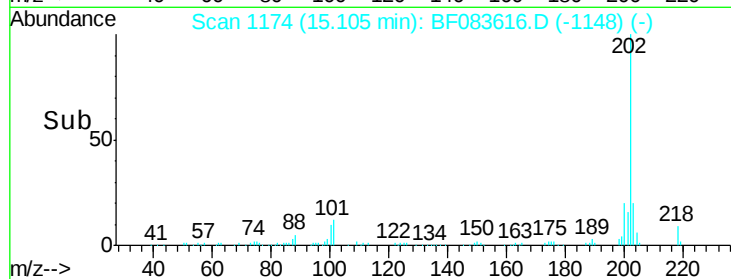
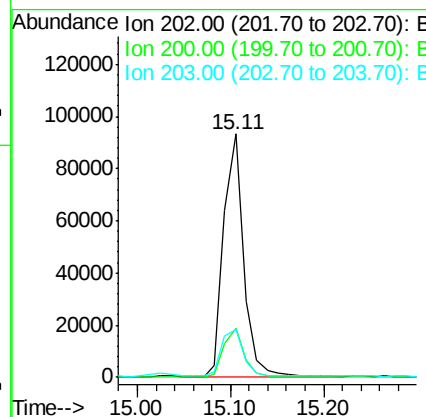
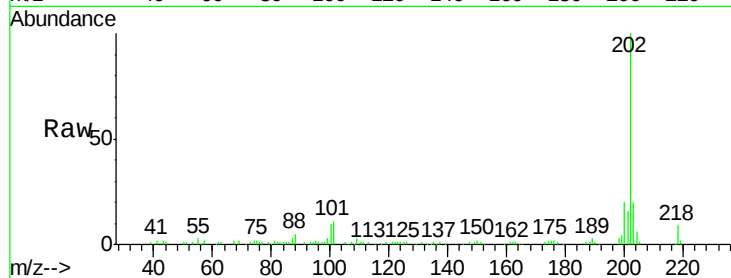




#77
 Pyrene
 Concen: 7.22 ng
 RT: 15.11 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

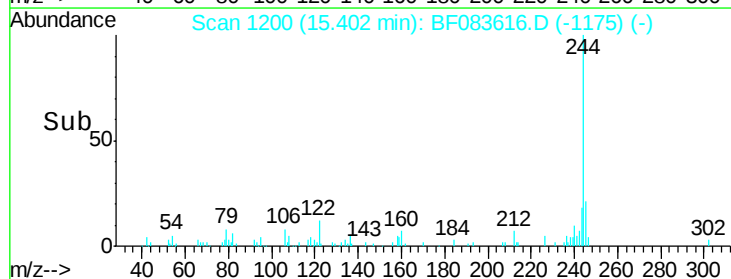
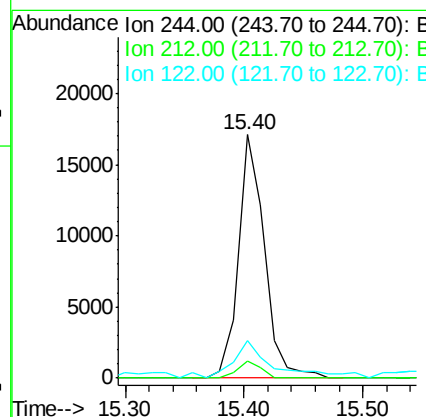
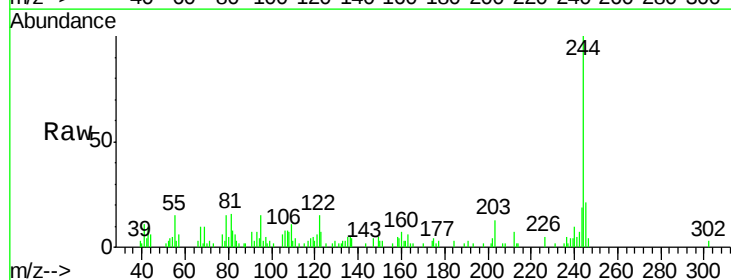
Instrument :
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 PCPY4

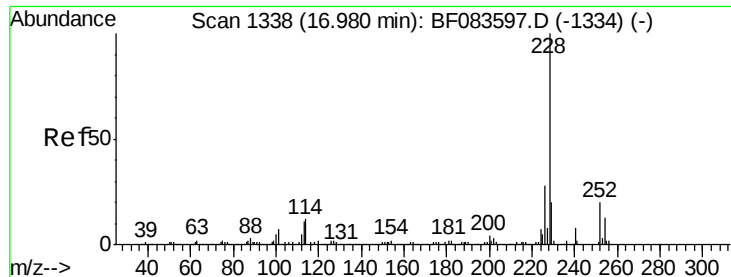
Tgt Ion: 202 Resp: 141075
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.7 25.1
 203 19.9 14.3 21.5



#78
 Terphenyl-d14
 Concen: 2.26 ng
 RT: 15.40 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF083616.D
 Acq: 9 Dec 2015 1:50

Tgt Ion: 244 Resp: 26120
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 15.4 11.0 16.6

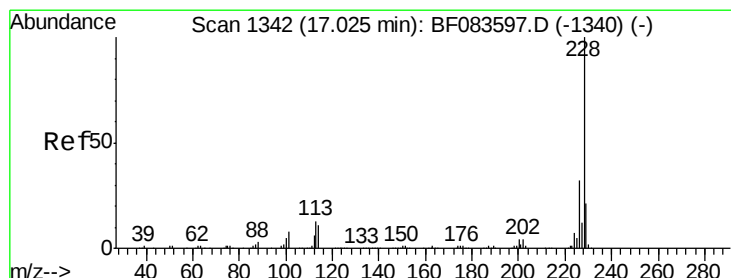
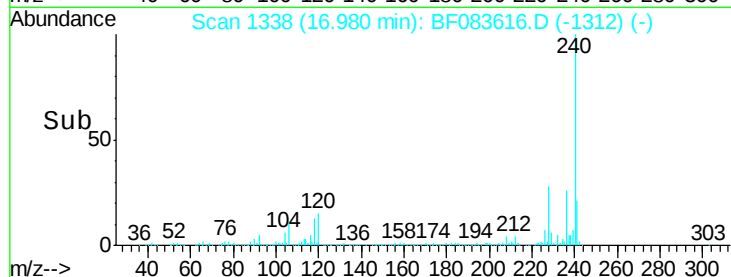
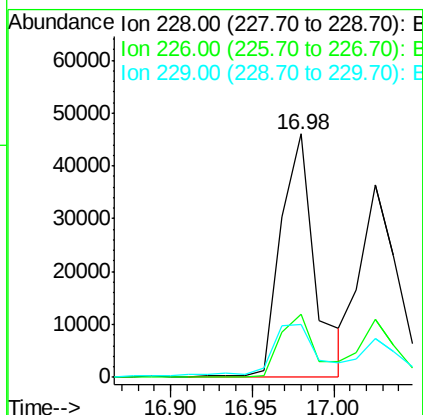
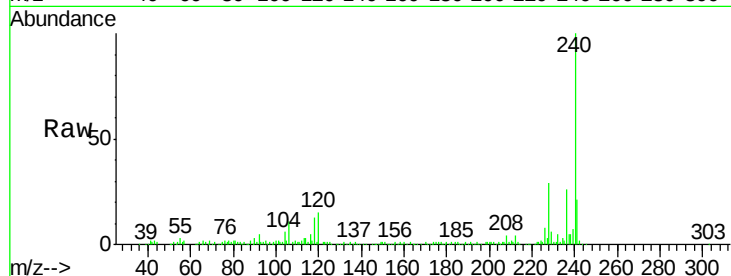




#80
Benzo(a)anthracene
Concen: 4.26 ng
RT: 16.98 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

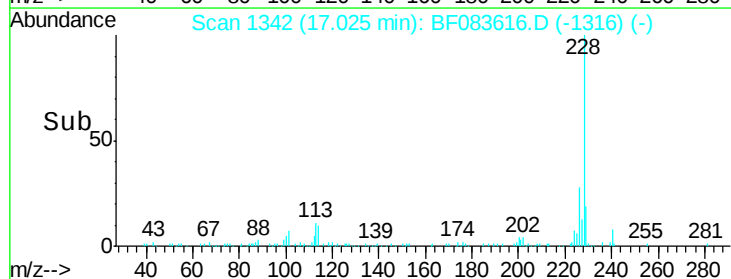
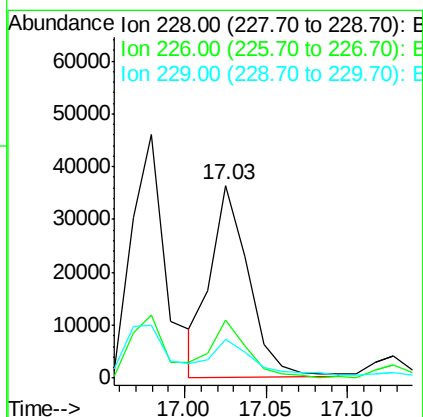
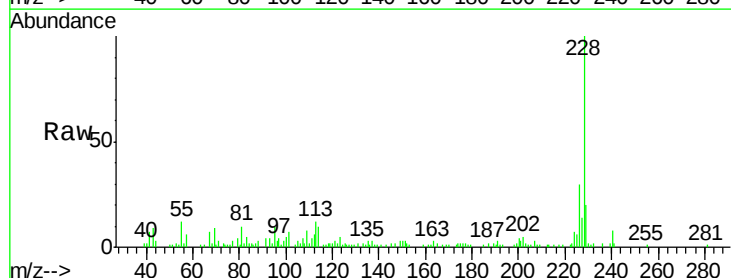
Instrument :
BNA_F
ClientSampleId :
PCPY4

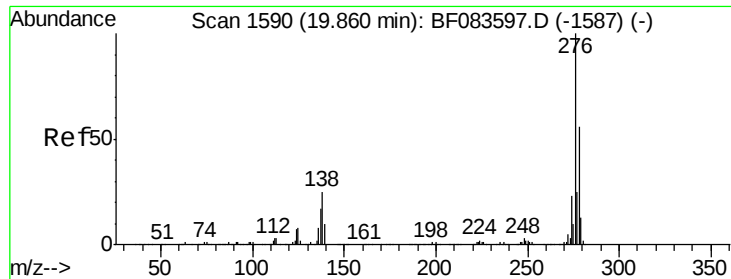
Tgt Ion:228 Resp: 67631
Ion Ratio Lower Upper
228 100
226 26.1 22.3 33.5
229 21.7 15.7 23.5



#82
Chrysene
Concen: 3.70 ng
RT: 17.03 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:228 Resp: 58907
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 19.9 16.3 24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.92 ng

RT: 19.89 min Scan# 1593

Delta R.T. 0.03 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

ClientSampleId :

PCPY4

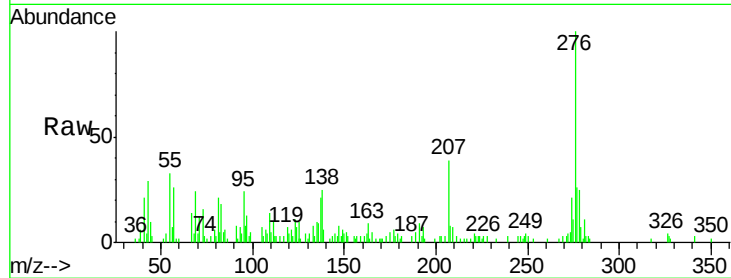
Tgt Ion: 276 Resp: 31350

Ion Ratio Lower Upper

276 100

138 23.1 0.0 0.0#

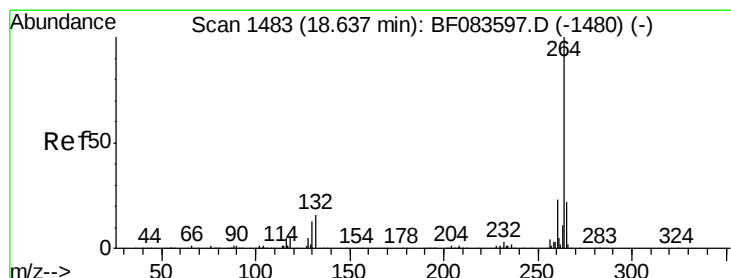
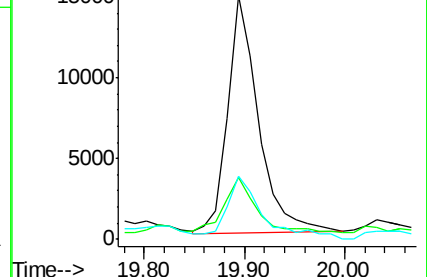
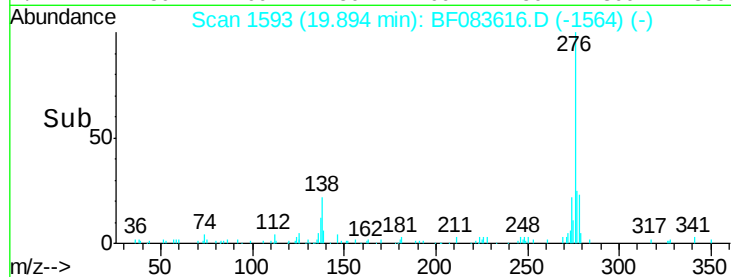
277 31.6 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

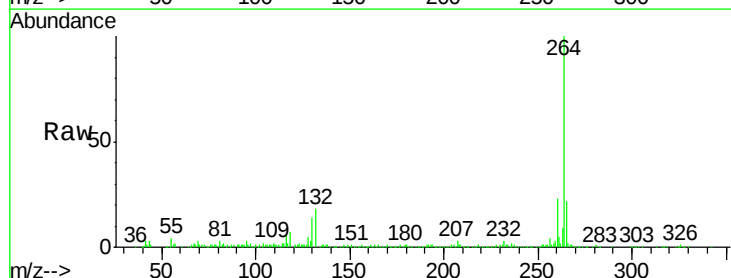
Tgt Ion: 264 Resp: 268434

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

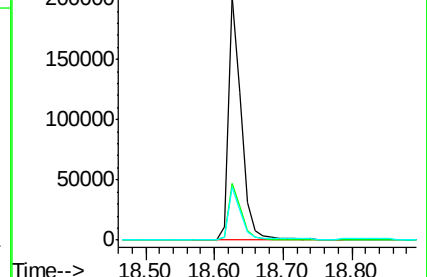
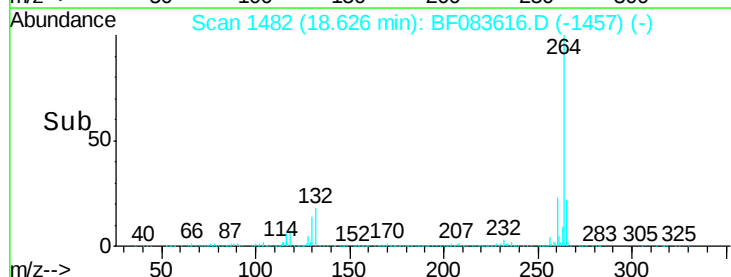
265 21.8 17.8 26.6

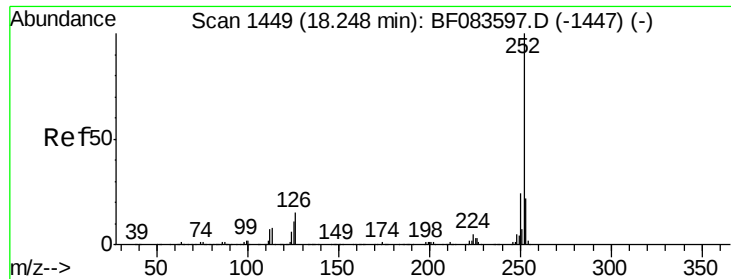


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

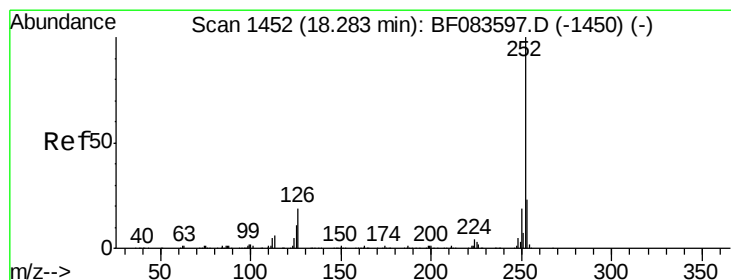
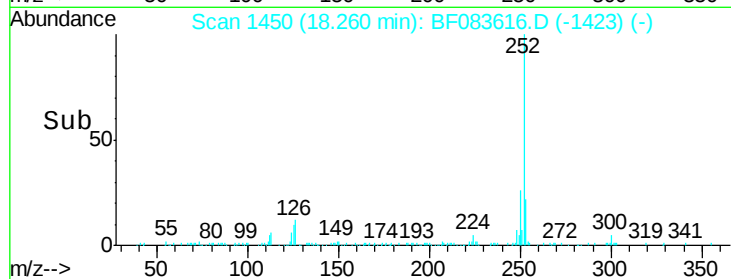
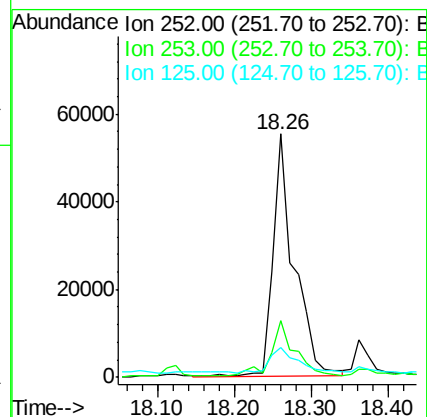
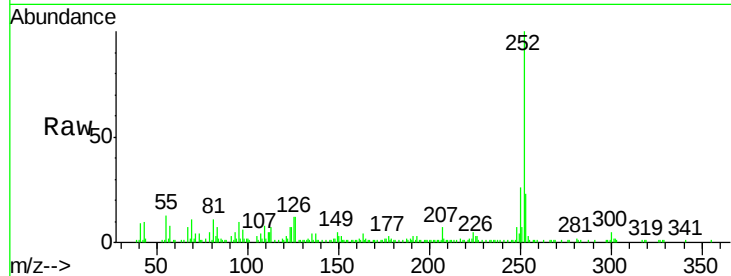




#87
Benzo(b)fluoranthene
Concen: 6.86 ng
RT: 18.26 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

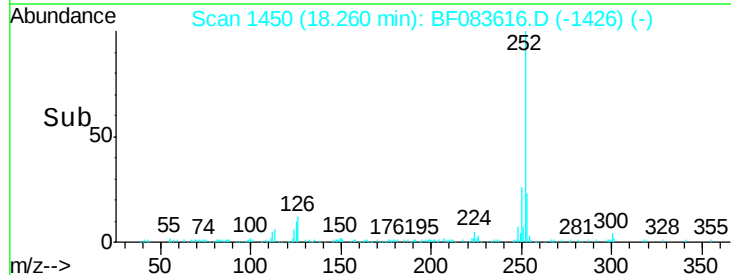
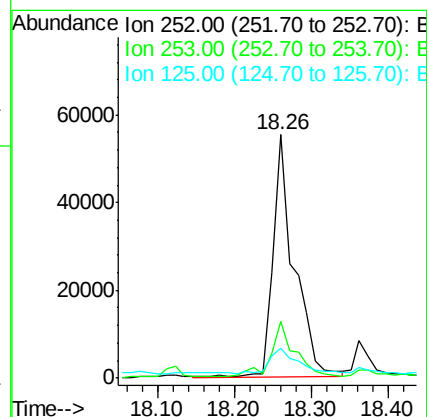
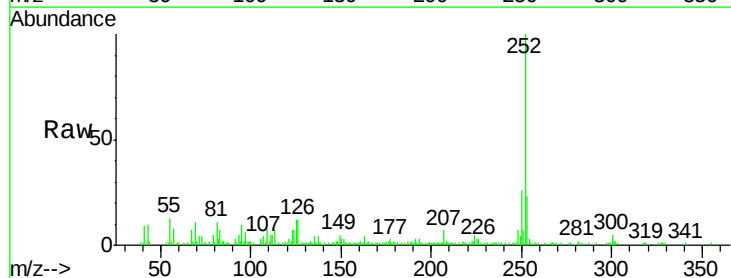
Instrument :
BNA_F
ClientSampleId :
PCPY4

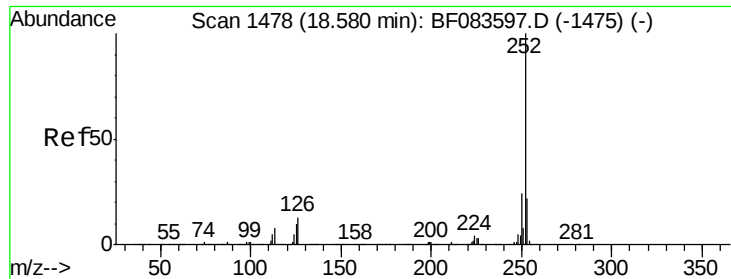
Tgt Ion:252 Resp: 104934
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 12.0 8.2 12.4



#88
Benzo(k)fluoranthene
Concen: 6.23 ng
RT: 18.26 min Scan# 1450
Delta R.T. -0.02 min
Lab File: BF083616.D
Acq: 9 Dec 2015 1:50

Tgt Ion:252 Resp: 104934
Ion Ratio Lower Upper
252 100
253 23.1 18.6 27.8
125 12.0 11.5 17.3





#89

Benzo(a)pyrene

Concen: 3.63 ng

RT: 18.58 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

Instrument :

BNA_F

ClientSampleId :

PCPY4

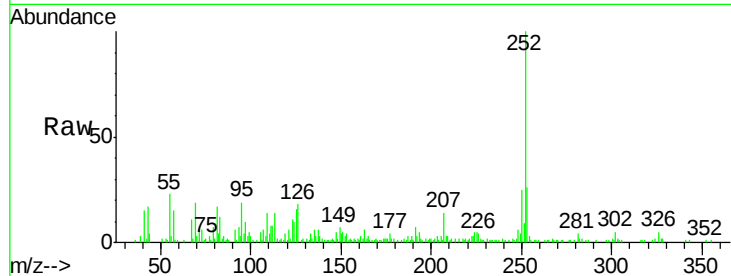
Tgt Ion:252 Resp: 54107

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

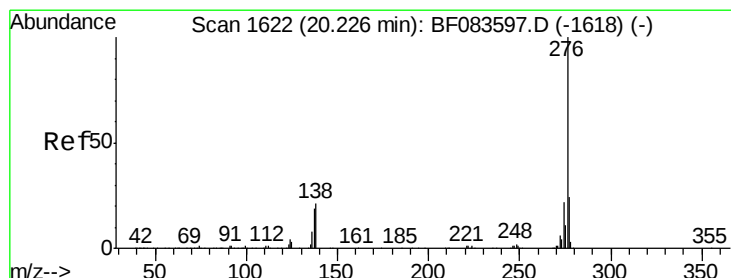
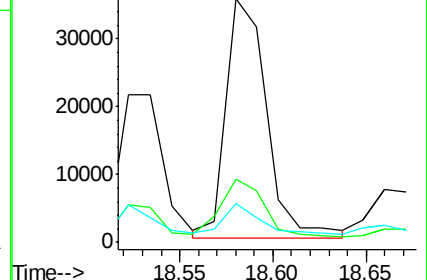
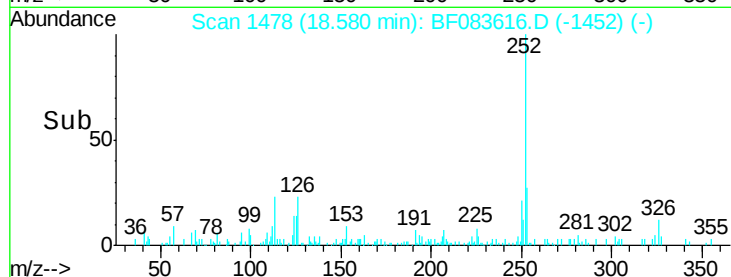
125 16.0 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 2.55 ng

RT: 20.26 min Scan# 1625

Delta R.T. 0.03 min

Lab File: BF083616.D

Acq: 9 Dec 2015 1:50

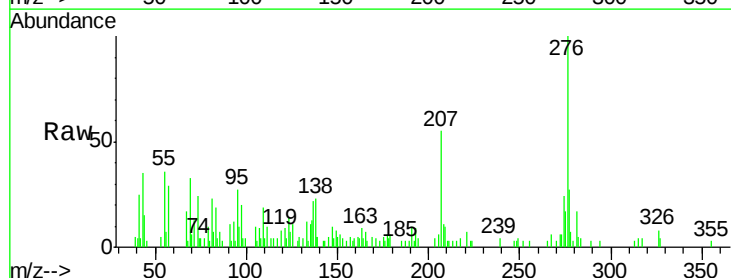
Tgt Ion:276 Resp: 28345

Ion Ratio Lower Upper

276 100

277 26.9 19.2 28.8

138 28.0 19.5 29.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

