

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078632.D
 Acq On : 18 Apr 2015 9:01
 Operator : TP/IZ
 Sample : G1902-03 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB19A

Quant Time: Apr 20 00:57:29 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	30645	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	130490	20.00	ng	0.00
38) Acenaphthene-d10	10.40	164	69403	20.00	ng	-0.01
63) Phenanthrene-d10	12.22	188	144119	20.00	ng	0.00
75) Chrysene-d12	15.46	240	174443	20.00	ng	0.00
86) Perylene-d12	17.15	264	178922	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.90	112	32469	17.47	ng	0.00
7) Phenol-d6	6.28	99	45101	19.36	ng	0.00
23) Nitrobenzene-d5	7.38	82	25830	12.00	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	12524	21.76	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	57625	11.87	ng	0.00
78) Terphenyl-d14	14.21	244	78993	10.23	ng	0.00

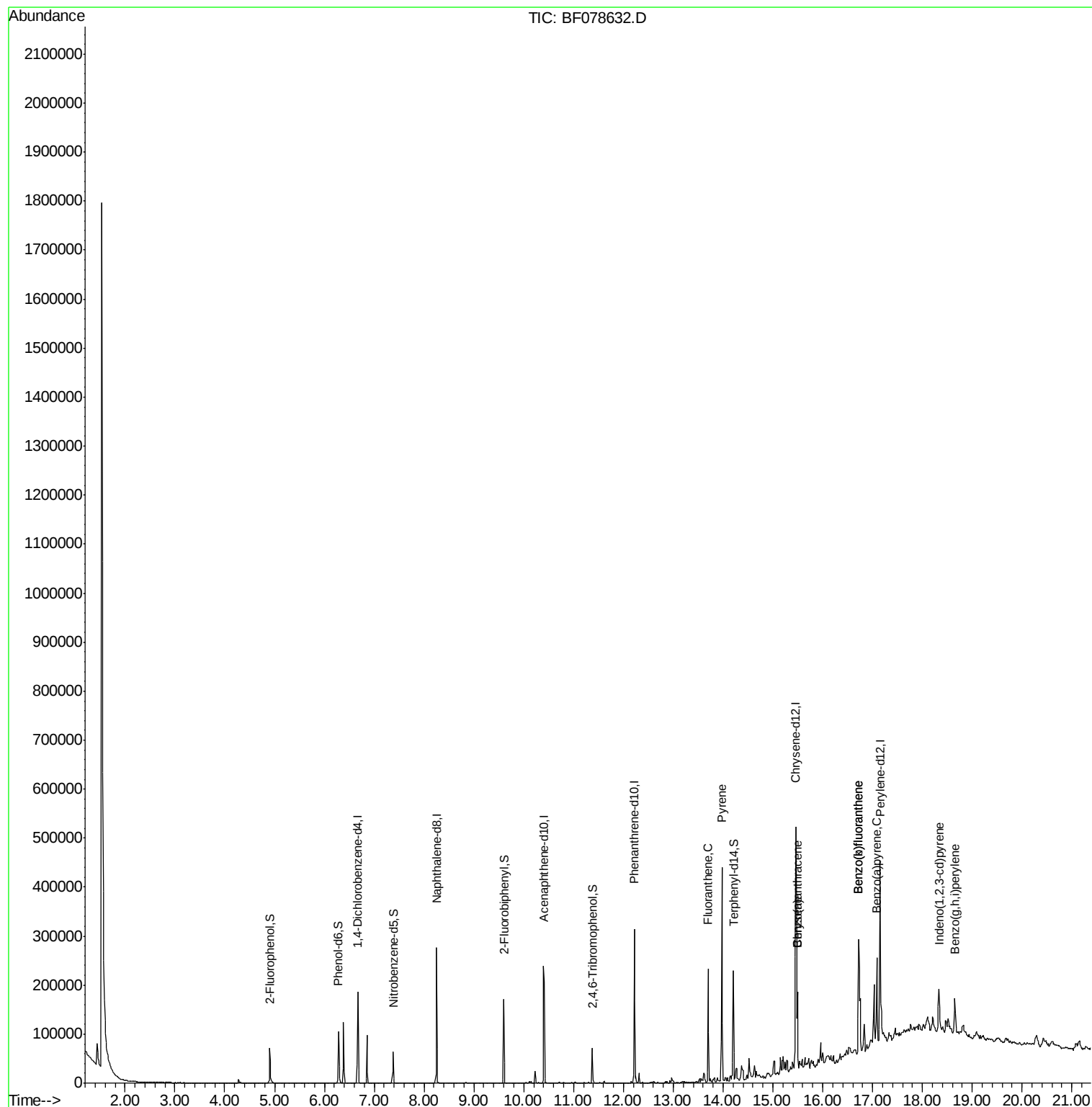
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
74) Fluoranthene	13.70	202	111408	12.67	ng	97
77) Pyrene	13.98	202	188984	17.26	ng	98
80) Benzo(a)anthracene	15.50	228	46060	4.44	ng	95
82) Chrysene	15.50	228	66769	6.85	ng	97
85) Indeno(1,2,3-cd)pyrene	18.33	276	50799	4.59	ng	# 89
87) Benzo(b)fluoranthene	16.72	252	172636	15.61	ng	# 97
88) Benzo(k)fluoranthene	16.72	252	172886	17.59	ng	98
89) Benzo(a)pyrene	17.09	252	73582	7.62	ng	# 93
91) Benzo(g,h,i)perylene	18.65	276	46366	4.79	ng	99

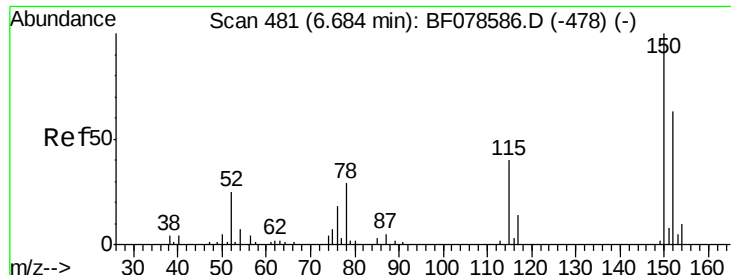
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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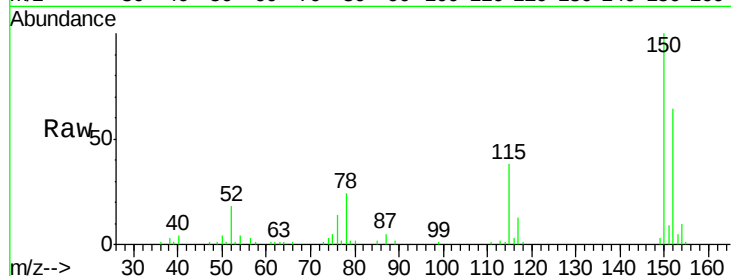




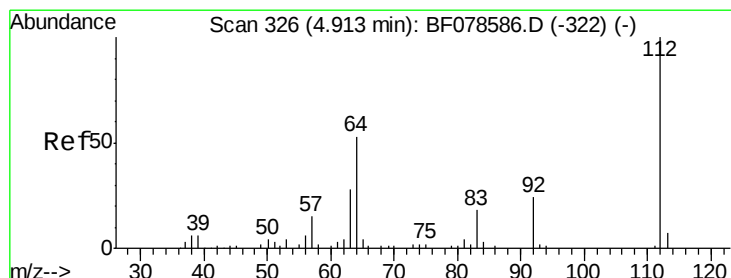
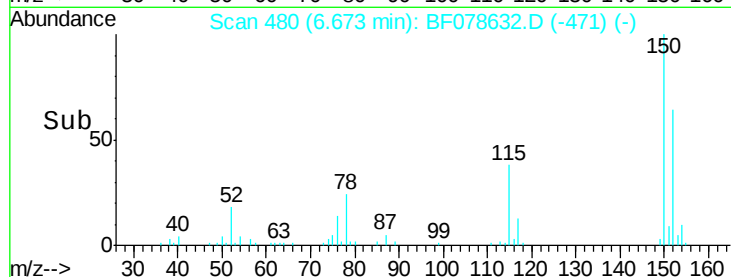
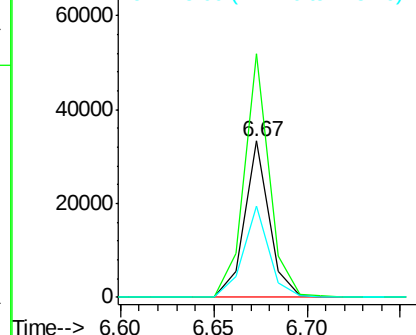
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: BF078632.D
 Acq: 18 Apr 2015 9:01

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB19A

Tgt Ion:152 Resp: 30645
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.9 188.9
 115 58.5 52.7 79.1

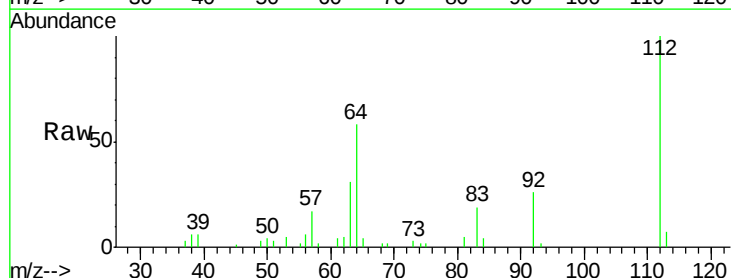


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

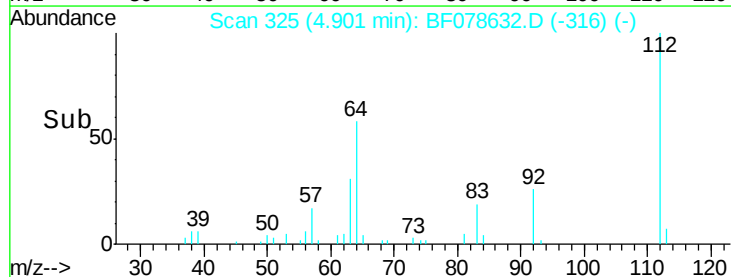
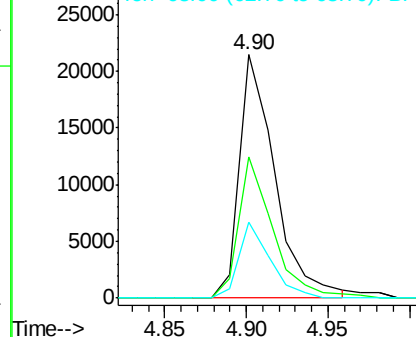


#5
 2-Fluorophenol
 Concen: 17.47 ng
 RT: 4.90 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: BF078632.D
 Acq: 18 Apr 2015 9:01

Tgt Ion:112 Resp: 32469
 Ion Ratio Lower Upper
 112 100
 64 58.1 39.9 59.9
 63 31.2 20.2 30.4#



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: 19.36 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

Instrument :

BNA_F

ClientSampled :

LS-SB19A

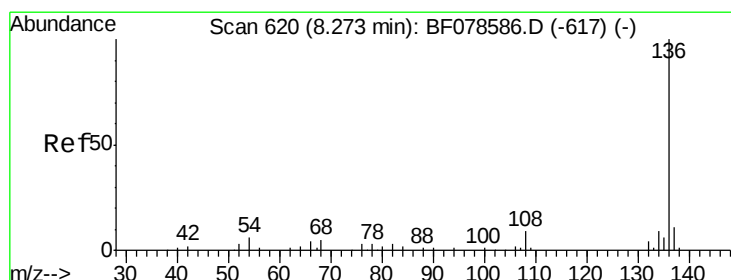
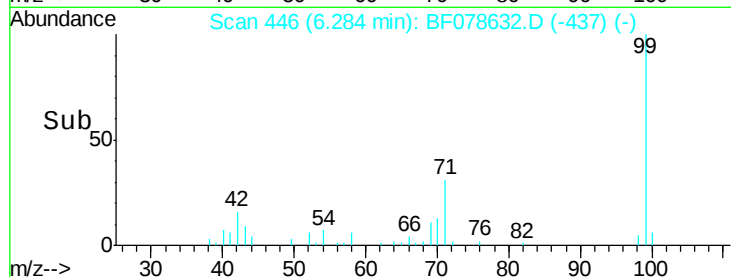
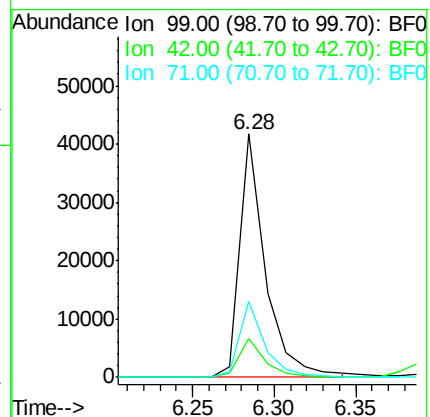
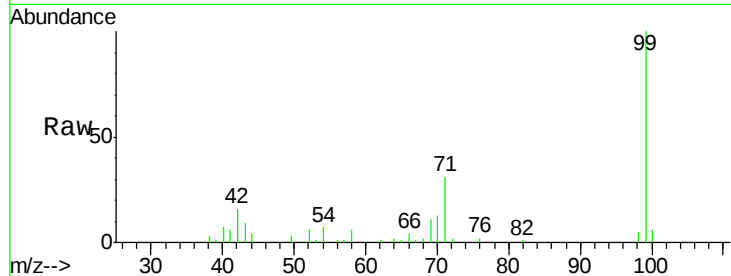
Tgt Ion: 99 Resp: 45101

Ion Ratio Lower Upper

99 100

42 16.0 14.8 22.2

71 31.0 26.6 39.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.25 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

Tgt Ion: 136 Resp: 130490

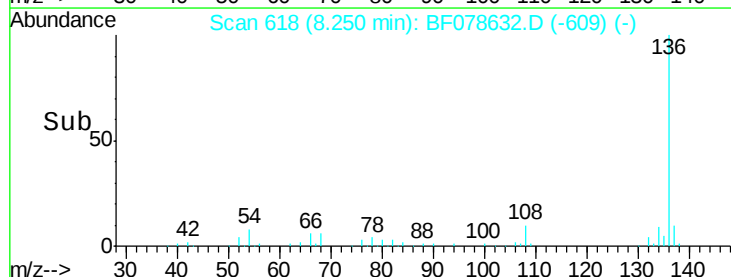
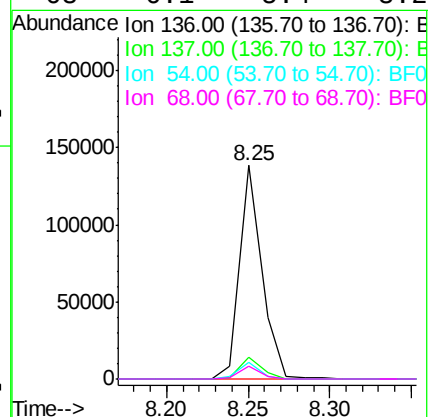
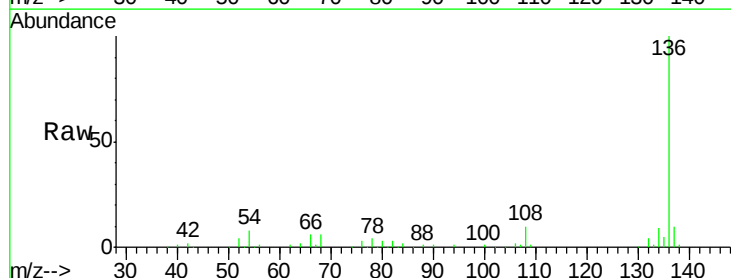
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 8.1 7.0 10.6

68 6.1 5.4 8.2

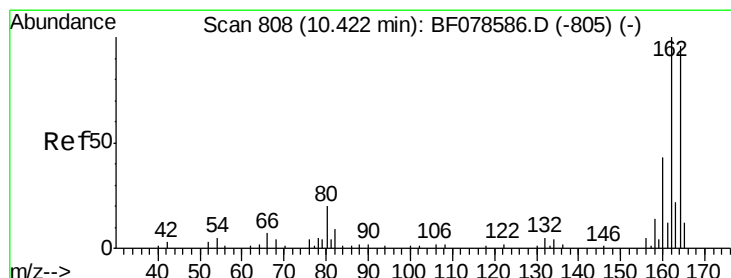
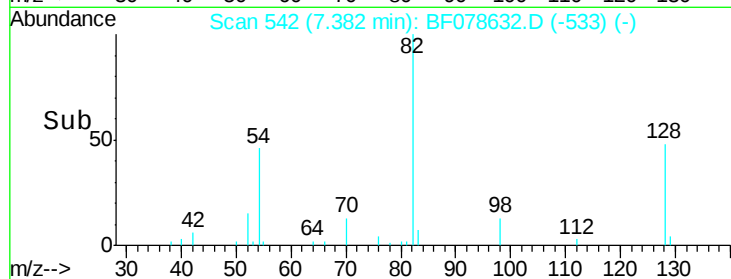
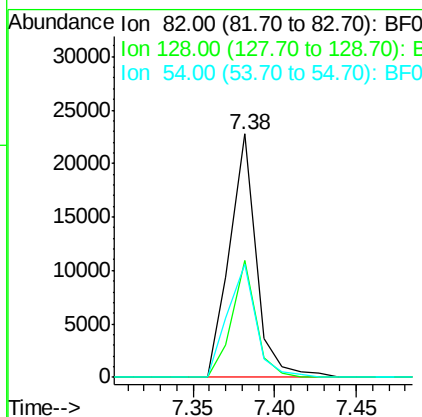
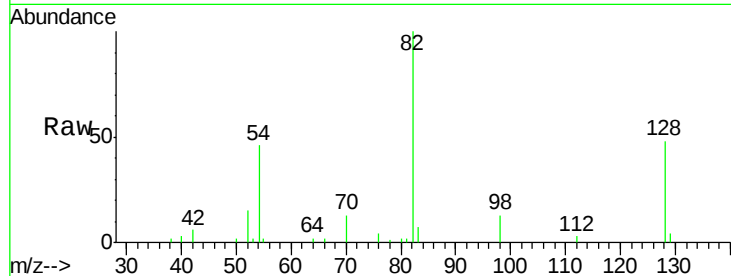




#23
Nitrobenzene-d5
Concen: 12.00 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF078632.D
Acq: 18 Apr 2015 9:01

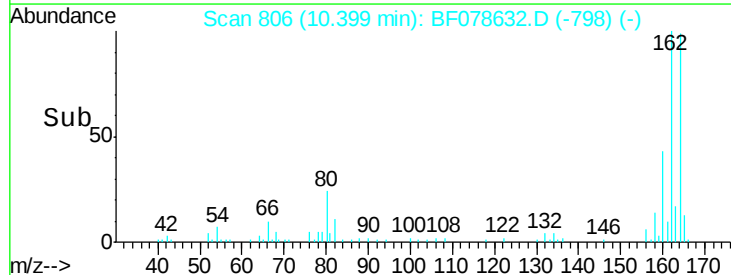
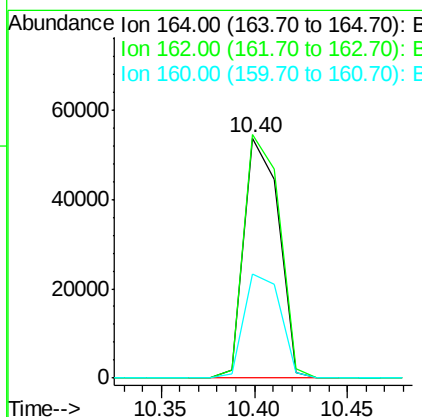
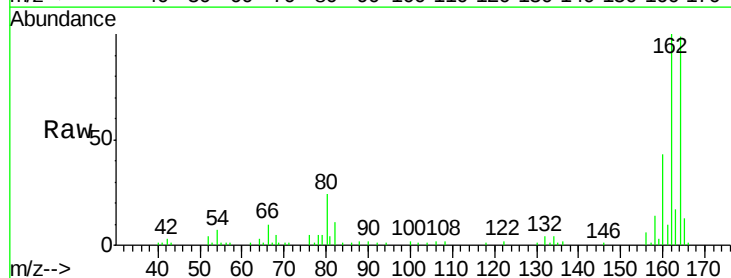
Instrument :
BNA_F
ClientSampleId :
LS-SB19A

Tgt Ion: 82 Resp: 25830
Ion Ratio Lower Upper
82 100
128 47.9 31.8 47.8#
54 46.3 41.5 62.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF078632.D
Acq: 18 Apr 2015 9:01

Tgt Ion: 164 Resp: 69403
Ion Ratio Lower Upper
164 100
162 101.5 82.2 123.2
160 43.5 34.7 52.1

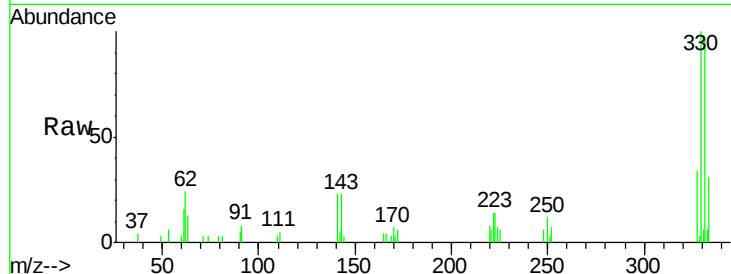




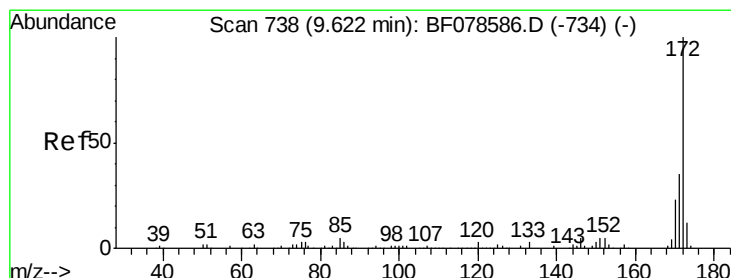
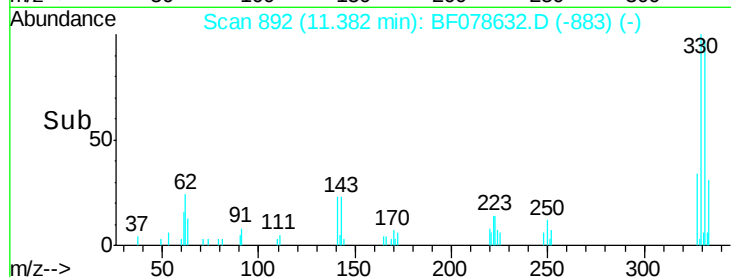
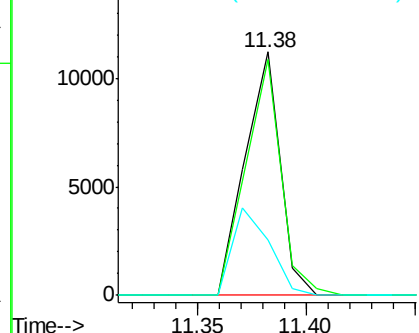
#41
 2,4,6-Tribromophenol
 Concen: 21.76 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078632.D
 Acq: 18 Apr 2015 9:01

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB19A

Tgt Ion:330 Resp: 12524
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.6 117.8
 141 37.6 31.2 46.8

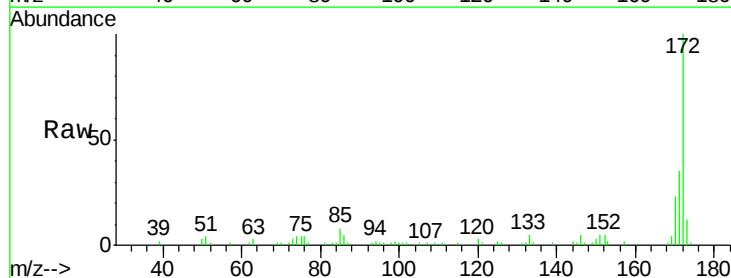


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

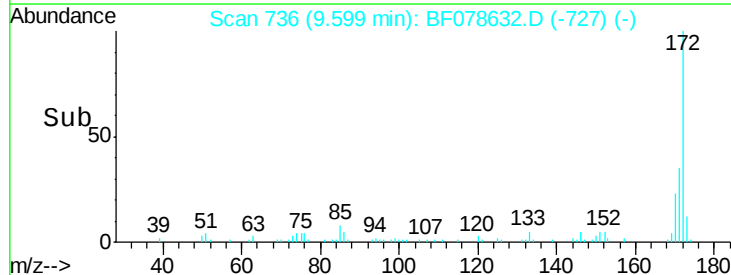
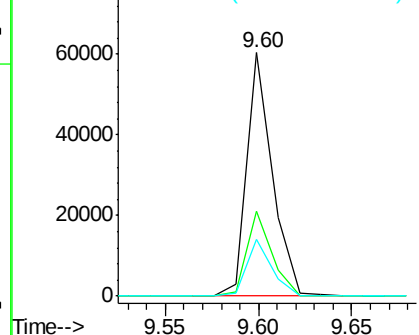


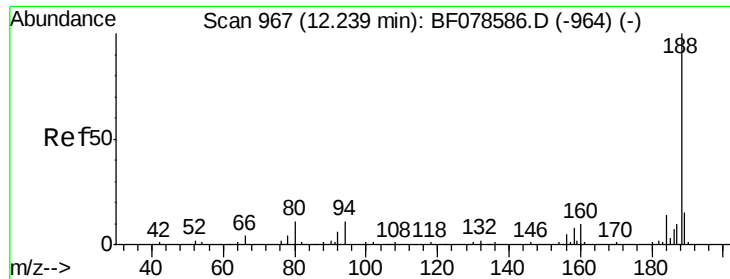
#44
 2-Fluorobiphenyl
 Concen: 11.87 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078632.D
 Acq: 18 Apr 2015 9:01

Tgt Ion:172 Resp: 57625
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 23.3 18.5 27.7



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

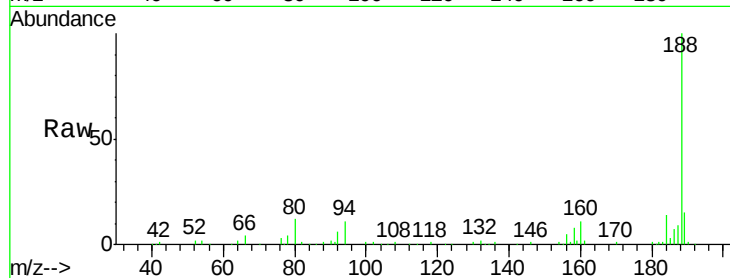




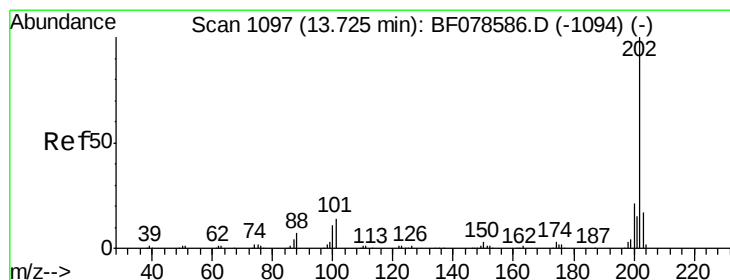
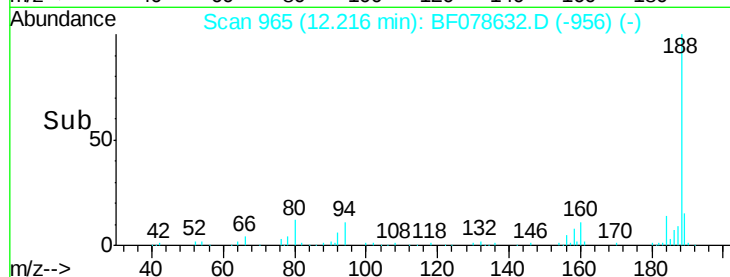
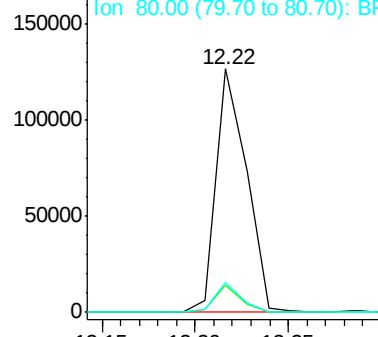
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.22 min Scan# 965
Delta R.T. -0.00 min
Lab File: BF078632.D
Acq: 18 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
LS-SB19A

Tgt Ion:188 Resp: 144119
Ion Ratio Lower Upper
188 100
94 11.5 9.0 13.4
80 12.5 9.5 14.3

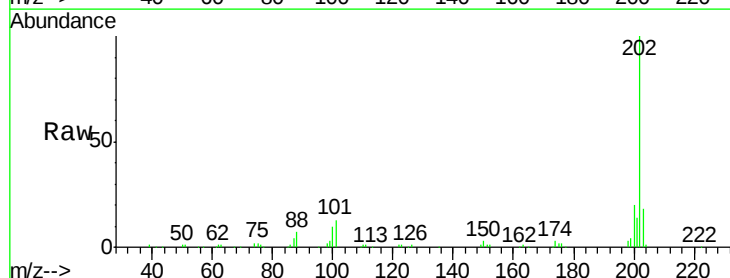


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

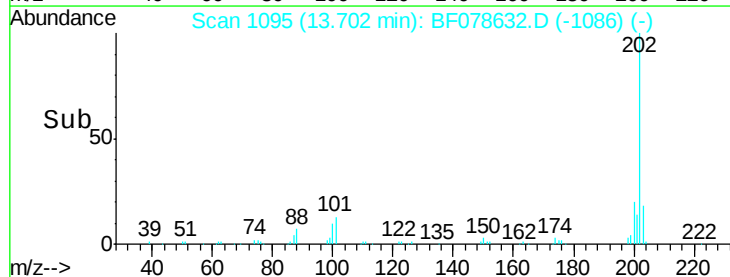
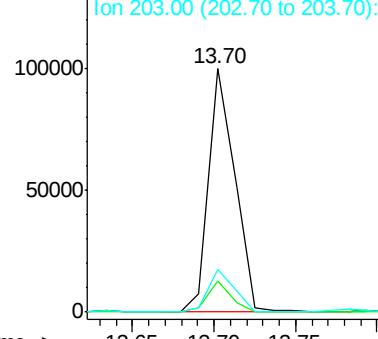


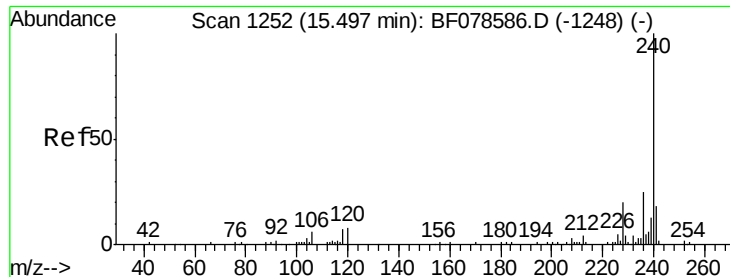
#74
Fluoranthene
Concen: 12.67 ng
RT: 13.70 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BF078632.D
Acq: 18 Apr 2015 9:01

Tgt Ion:202 Resp: 111408
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.2
203 17.6 0.0 38.5



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: 15.46 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

Instrument :

BNA_F

ClientSampleId :

LS-SB19A

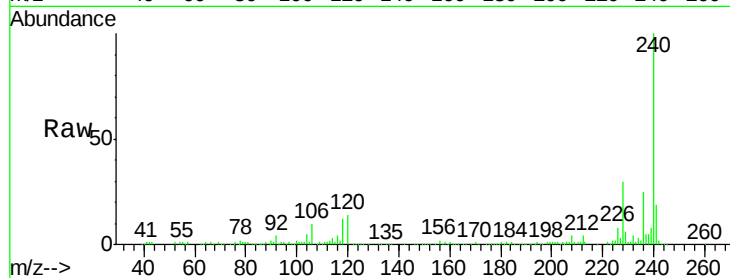
Tgt Ion:240 Resp: 174443

Ion Ratio Lower Upper

240 100

120 14.1 7.1 10.7#

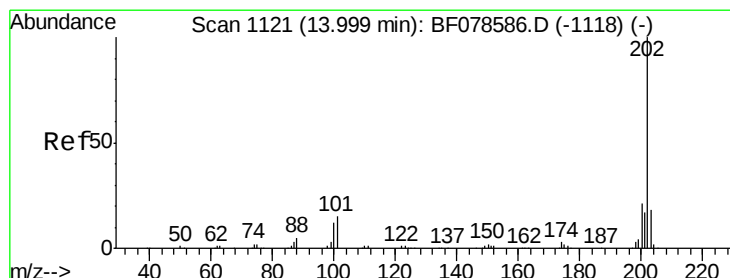
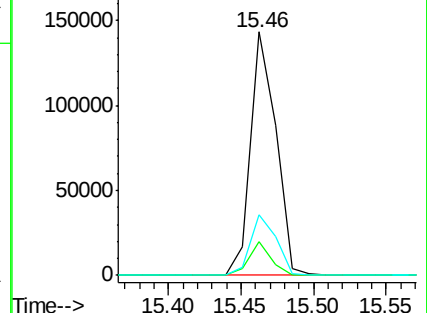
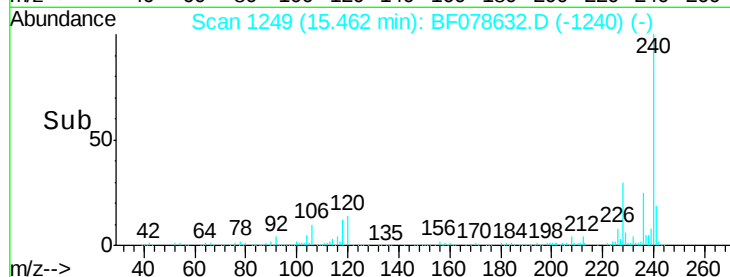
236 24.9 21.4 32.2



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: 17.26 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

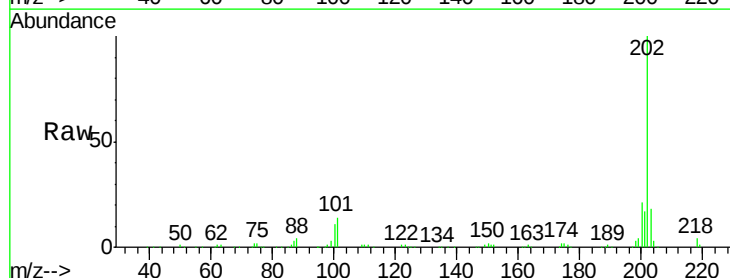
Tgt Ion:202 Resp: 188984

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

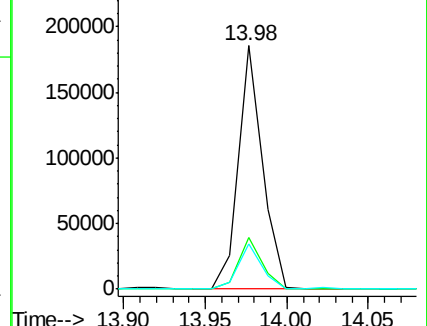
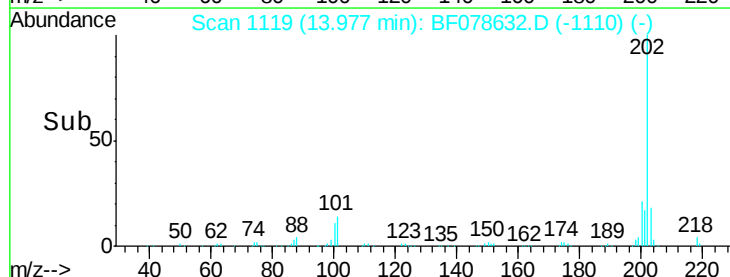
203 18.5 13.8 20.6

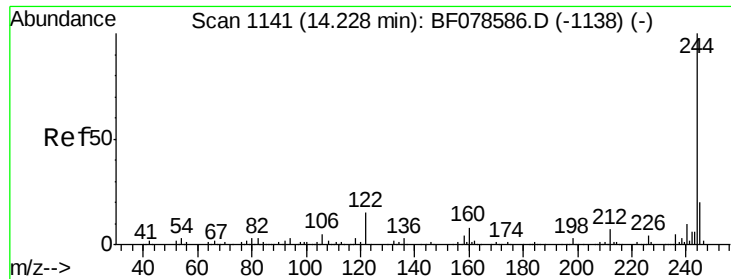


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.23 ng

RT: 14.21 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

Instrument :

BNA_F

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LS-SB19A

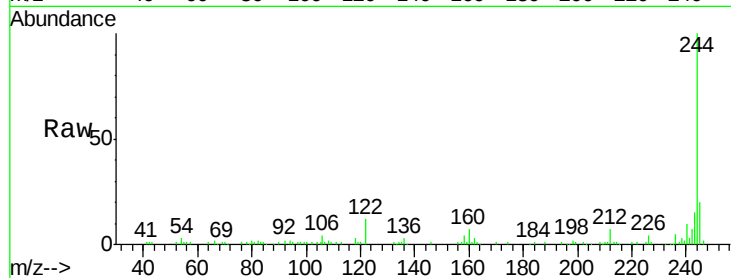
Tgt Ion:244 Resp: 78993

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

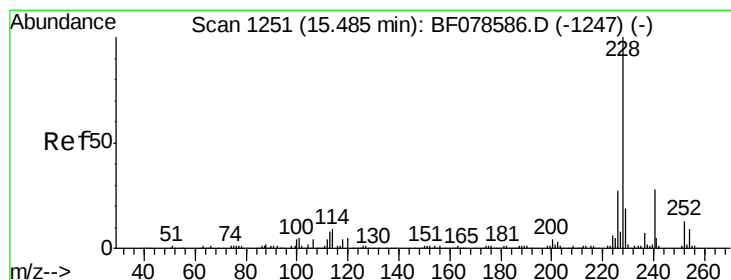
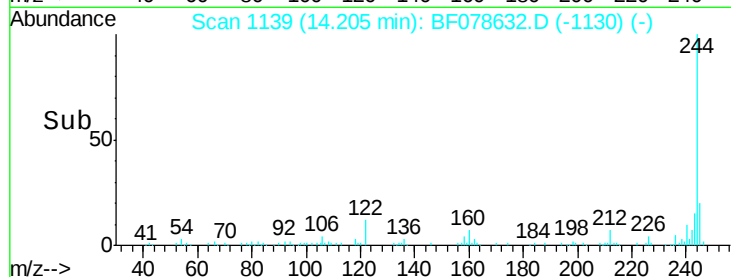
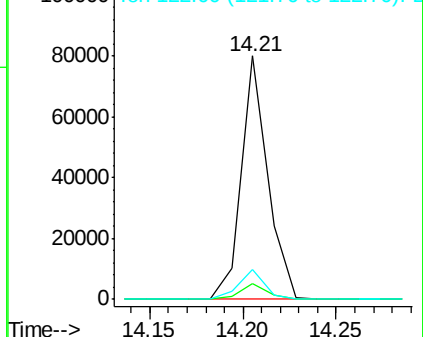
122 12.3 7.1 10.7#



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



#80

Benzo(a)anthracene

Concen: 4.44 ng

RT: 15.50 min Scan# 1252

Delta R.T. 0.05 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

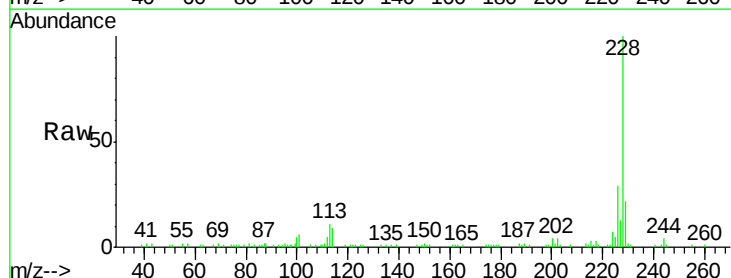
Tgt Ion:228 Resp: 46060

Ion Ratio Lower Upper

228 100

226 29.3 21.3 31.9

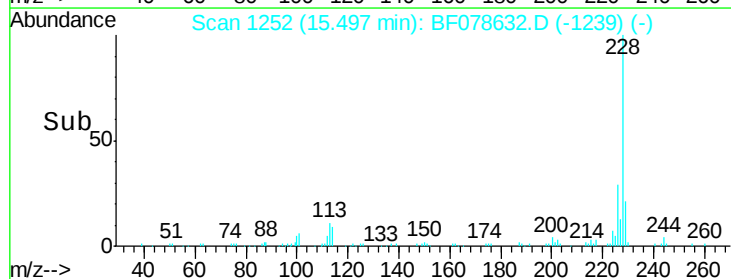
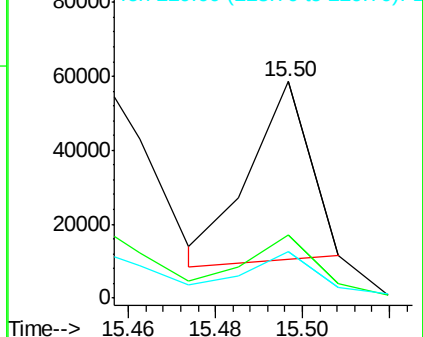
229 21.5 15.4 23.2

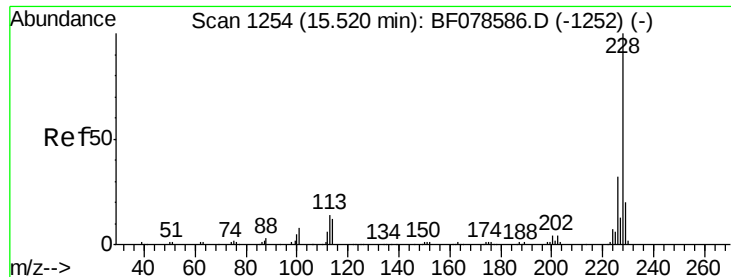


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.85 ng

RT: 15.50 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

Instrument :

BNA_F

ClientSampleId :

LS-SB19A

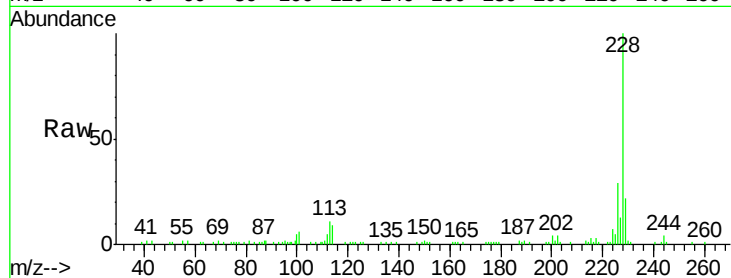
Tgt Ion:228 Resp: 66769

Ion Ratio Lower Upper

228 100

226 29.3 24.2 36.4

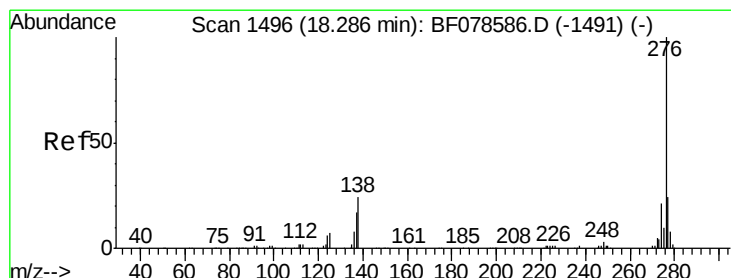
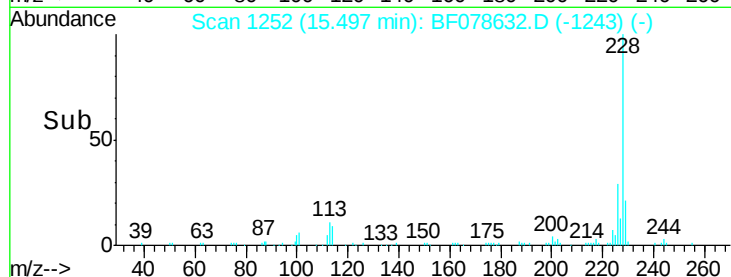
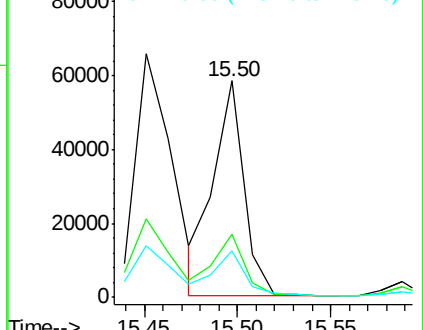
229 21.5 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.59 ng

RT: 18.33 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

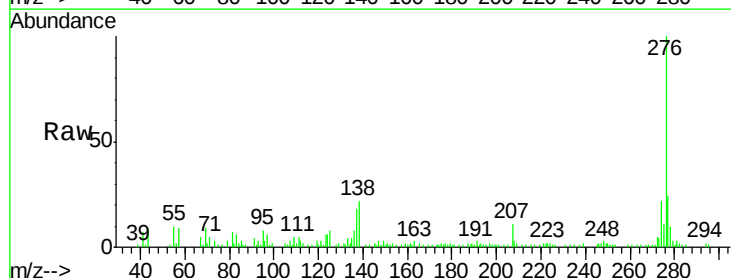
Tgt Ion:276 Resp: 50799

Ion Ratio Lower Upper

276 100

138 24.0 16.9 25.3

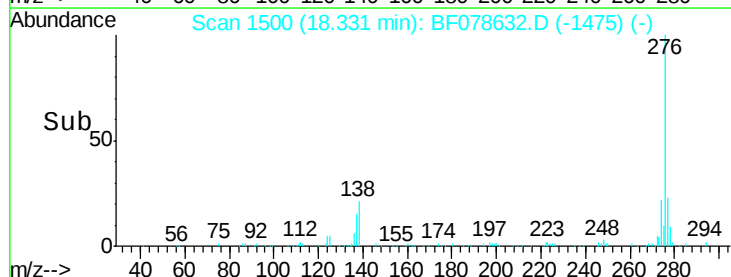
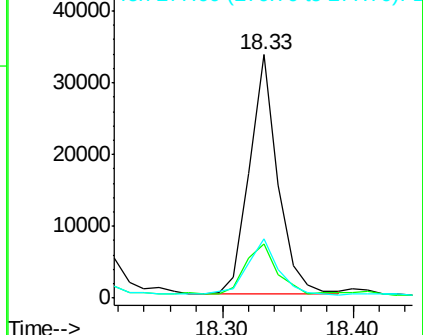
277 26.8 15.8 23.6#

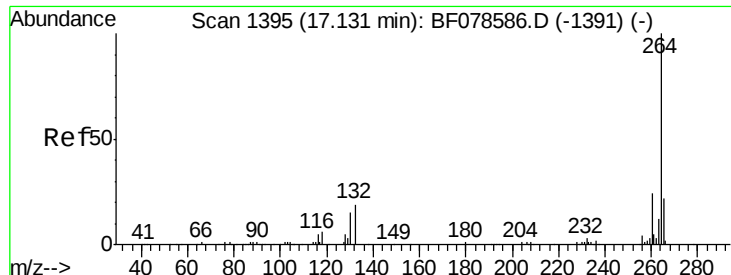


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

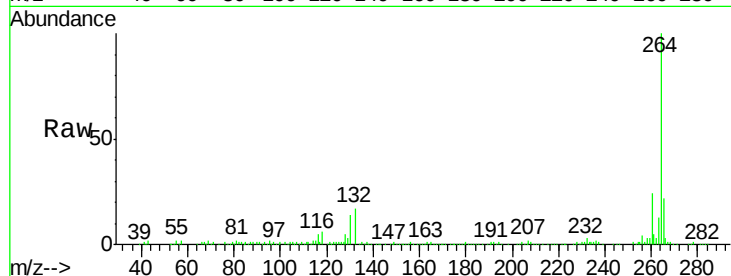




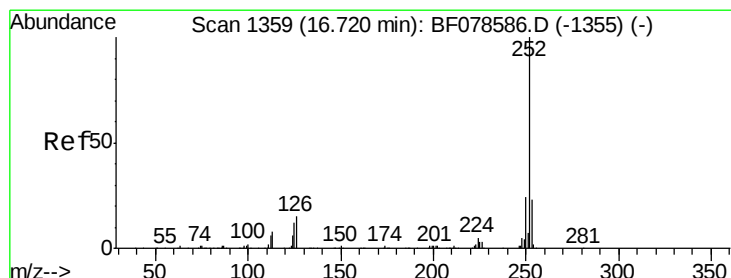
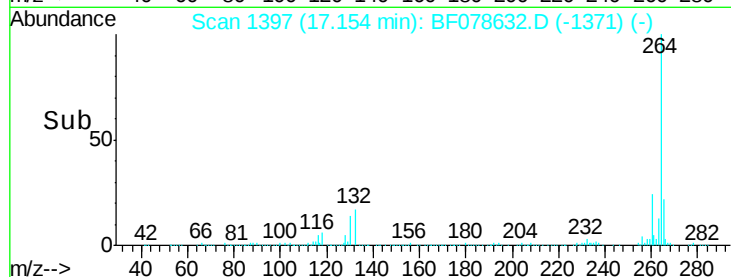
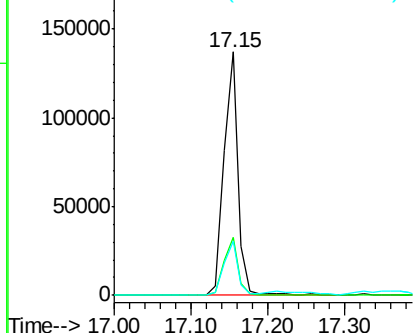
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.15 min Scan# 1397
Delta R.T. -0.00 min
Lab File: BF078632.D
Acq: 18 Apr 2015 9:01

Instrument :
BNA_F
ClientSampleId :
LS-SB19A

Tgt Ion:264 Resp: 178922
Ion Ratio Lower Upper
264 100
260 23.6 18.6 27.8
265 22.0 17.0 25.6

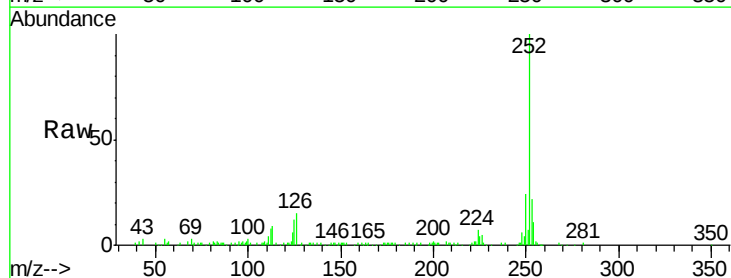


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

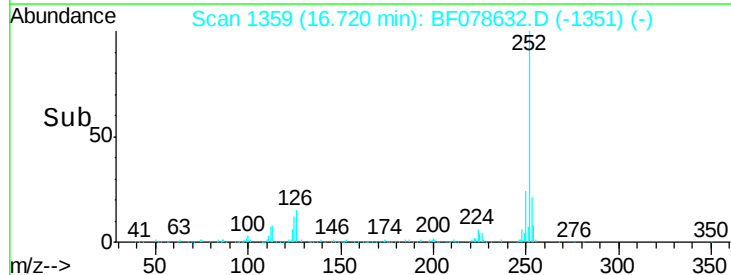
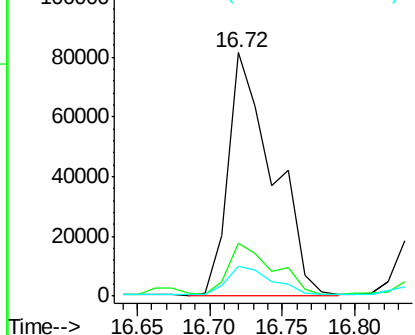


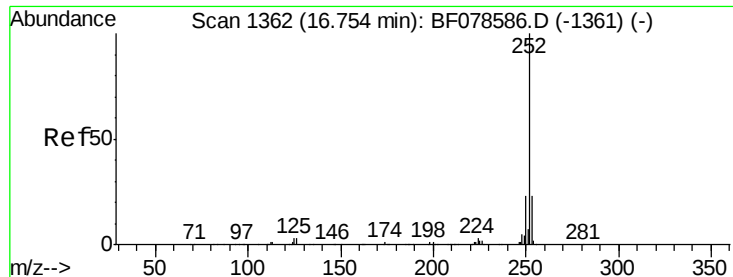
#87
Benzo(b)fluoranthene
Concen: 15.61 ng
RT: 16.72 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF078632.D
Acq: 18 Apr 2015 9:01

Tgt Ion:252 Resp: 172636
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 12.3 7.0 10.4#



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

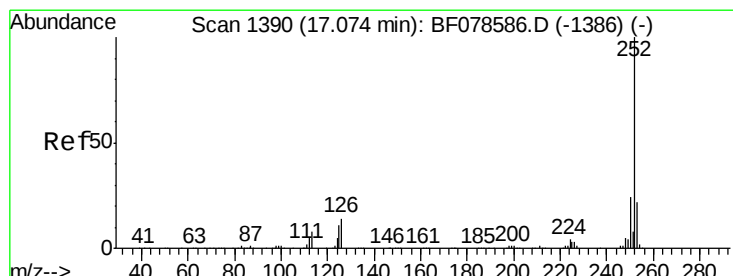
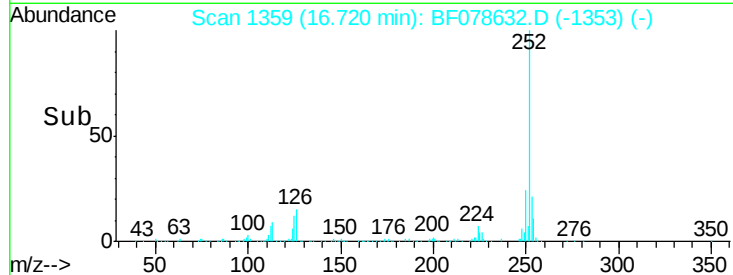
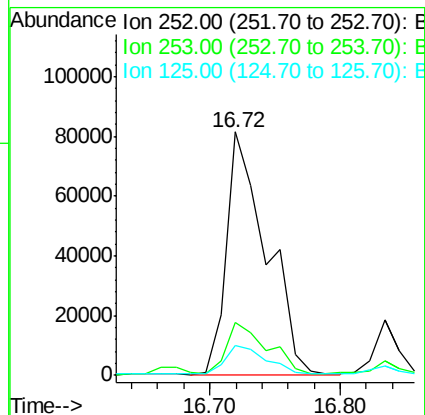
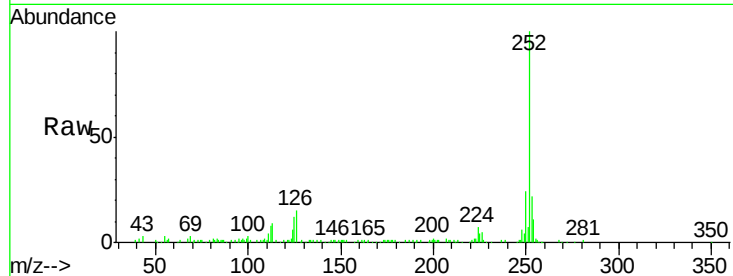




#88
 Benzo(k)fluoranthene
 Concen: 17.59 ng
 RT: 16.72 min Scan# 1359
 Delta R.T. -0.03 min
 Lab File: BF078632.D
 Acq: 18 Apr 2015 9:01

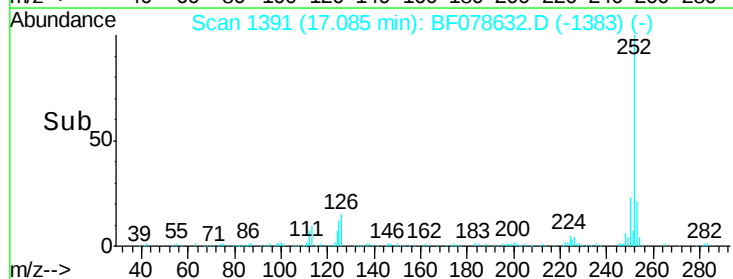
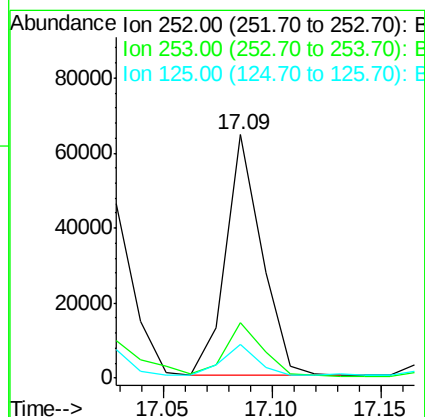
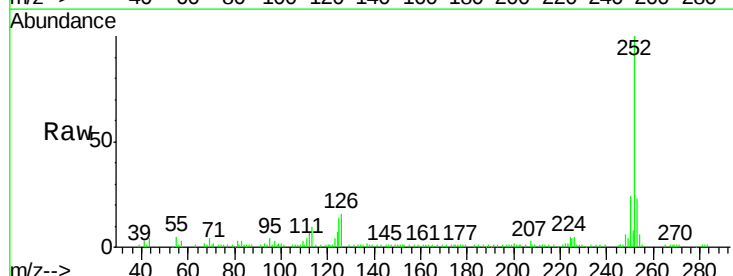
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB19A

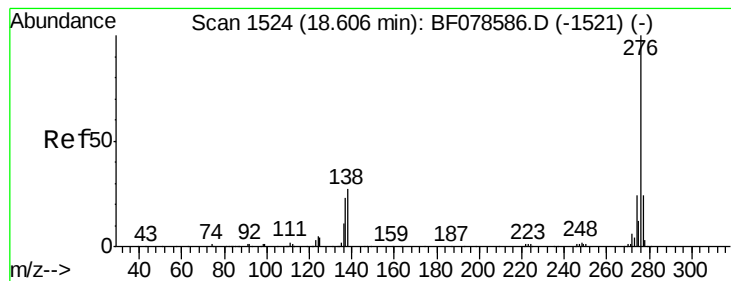
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.3	11.6	17.4



#89
 Benzo(a)pyrene
 Concen: 7.62 ng
 RT: 17.09 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF078632.D
 Acq: 18 Apr 2015 9:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.8	25.2
125	13.6	7.4	11.0#





#91

Benzo(g,h,i)perylene

Concen: 4.79 ng

RT: 18.65 min Scan# 1528

Delta R.T. -0.01 min

Lab File: BF078632.D

Acq: 18 Apr 2015 9:01

Instrument :

BNA_F

ClientSampleId :

LS-SB19A

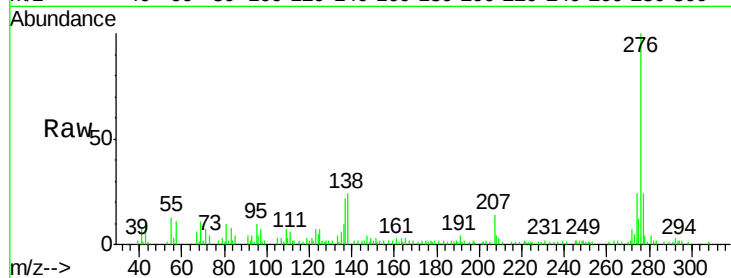
Tgt Ion: 276 Resp: 46366

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 24.0 19.9 29.9



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

