

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078582.D
 Acq On : 16 Apr 2015 23:09
 Operator : TP/IZ
 Sample : G1854-13 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

Quant Time: Apr 17 03:15:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 00:52:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	25241	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	114635	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	59448	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	118373	20.00	ng	0.00
75) Chrysene-d12	15.50	240	138613	20.00	ng	0.01
86) Perylene-d12	17.20	264	137210	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.92	112	22152	14.47	ng	0.02
7) Phenol-d6	6.31	99	30576	15.94	ng	0.01
23) Nitrobenzene-d5	7.39	82	17572	9.29	ng	0.00
41) 2,4,6-Tribromophenol	11.40	330	7563	15.34	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	41980	10.09	ng	0.00
78) Terphenyl-d14	14.23	244	50837	8.29	ng	0.00

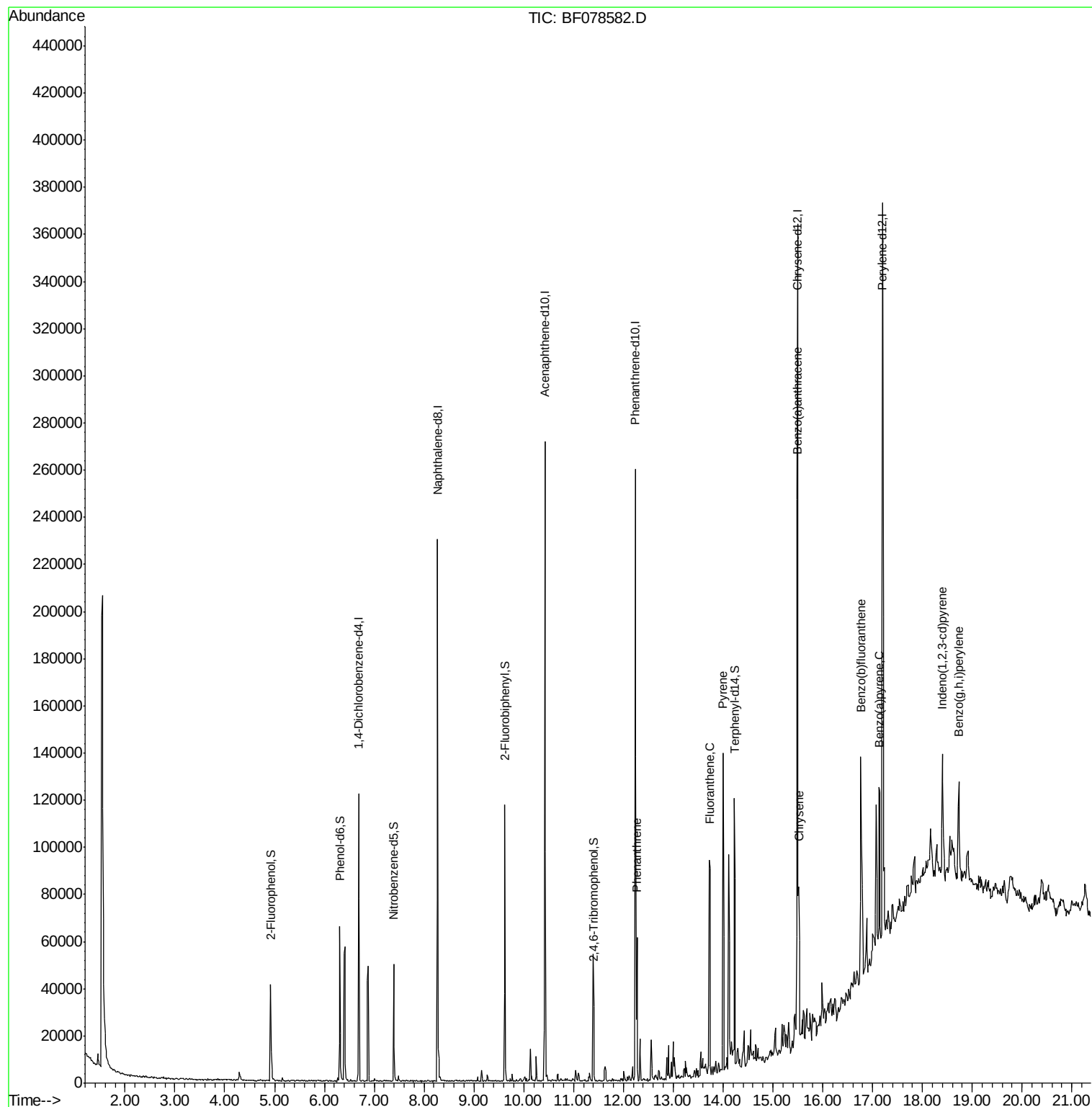
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.27	178	27710	4.05	ng	99
74) Fluoranthene	13.74	202	58076	8.04	ng	90
77) Pyrene	14.00	202	56266	6.47	ng	# 93
80) Benzo(a)anthracene	15.49	228	40202	4.87	ng	96
82) Chrysene	15.52	228	27996	3.61	ng	97
85) Indeno(1,2,3-cd)pyrene	18.40	276	33692	3.83	ng	# 95
87) Benzo(b)fluoranthene	16.77	252	55854m	6.59	ng	
89) Benzo(a)pyrene	17.14	252	38499	5.20	ng	94
91) Benzo(g,h,i)perylene	18.73	276	29590	3.98	ng	96

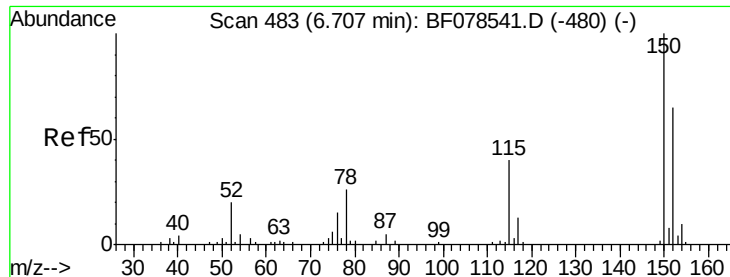
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 481

Delta R.T. -0.00 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Instrument :

BNA_F

ClientSampleId :

LS-SB102

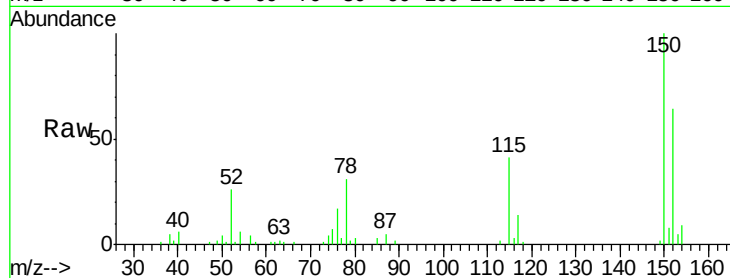
Tgt Ion:152 Resp: 25241

Ion Ratio Lower Upper

152 100

150 156.3 125.9 188.9

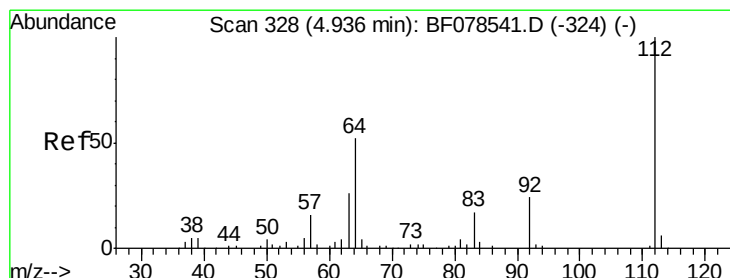
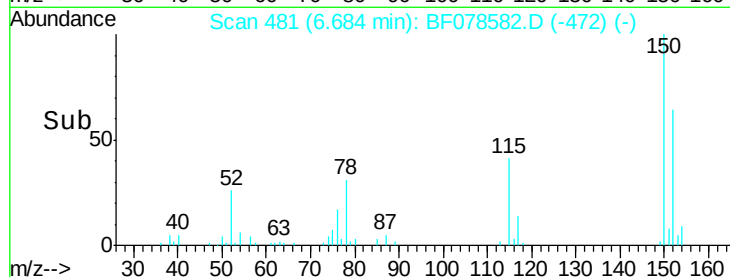
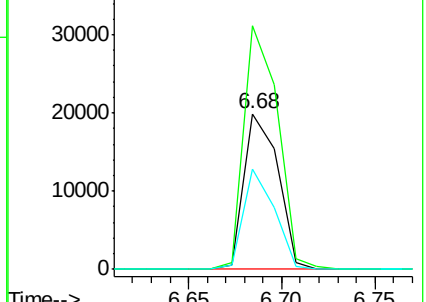
115 64.6 52.7 79.1



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: 14.47 ng

RT: 4.92 min Scan# 327

Delta R.T. 0.02 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

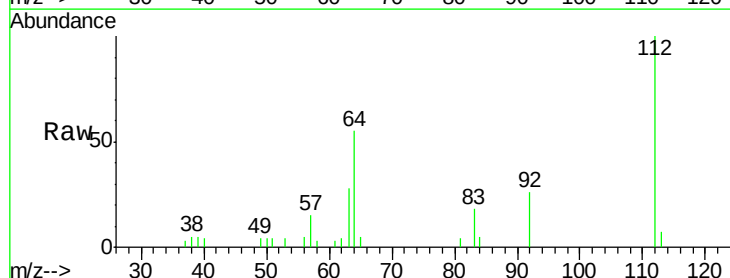
Tgt Ion:112 Resp: 22152

Ion Ratio Lower Upper

112 100

64 55.2 39.9 59.9

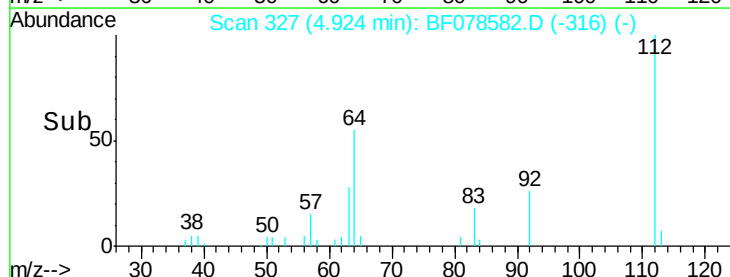
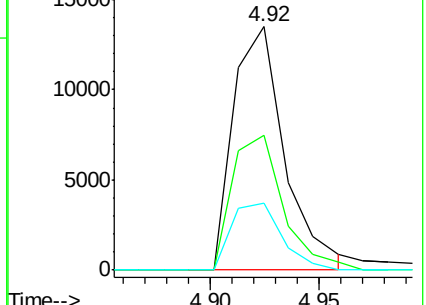
63 27.6 20.2 30.4

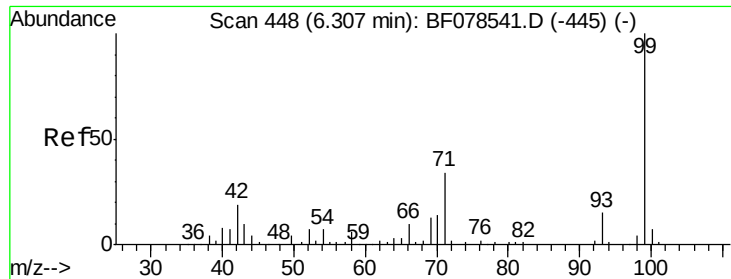


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 15.94 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Instrument :

BNA_F

ClientSampleId :

LS-SB102

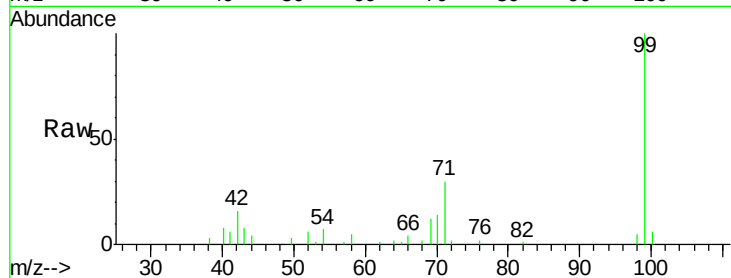
Tgt Ion: 99 Resp: 30576

Ion Ratio Lower Upper

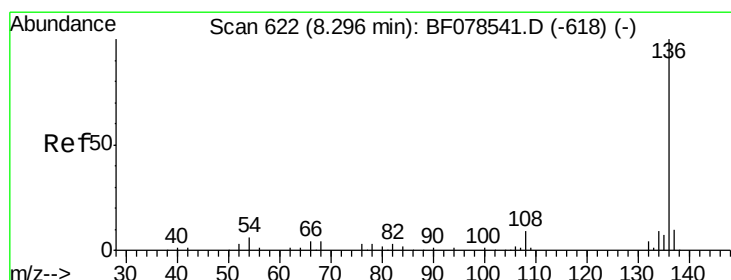
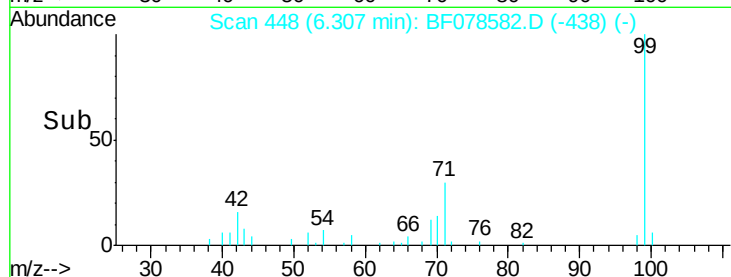
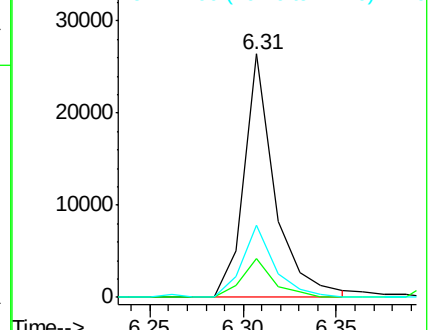
99 100

42 15.8 14.8 22.2

71 29.5 26.6 39.8



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: 8.27 min Scan# 620

Delta R.T. -0.00 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Tgt Ion: 136 Resp: 114635

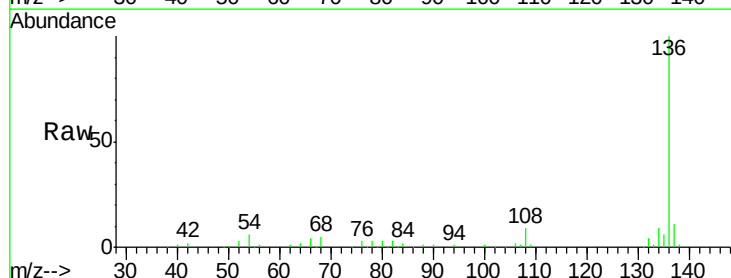
Ion Ratio Lower Upper

136 100

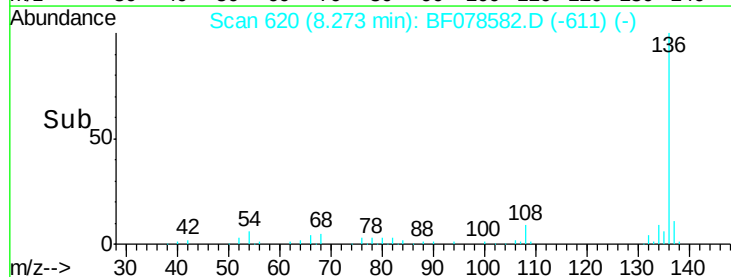
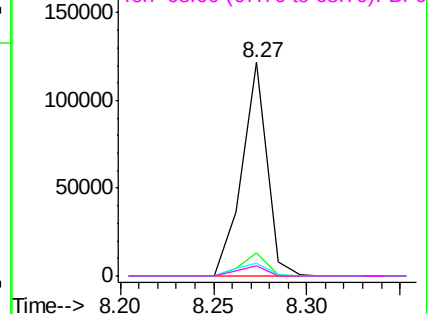
137 10.5 9.0 13.4

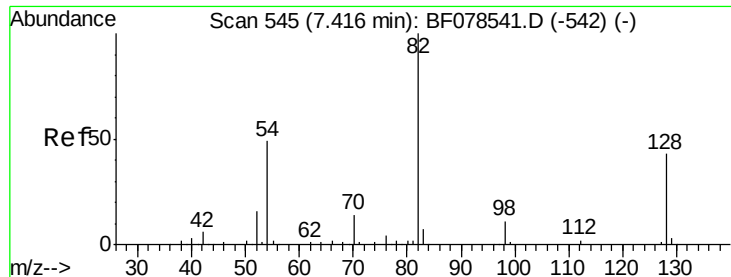
54 6.2 7.0 10.6#

68 5.0 5.4 8.2#



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

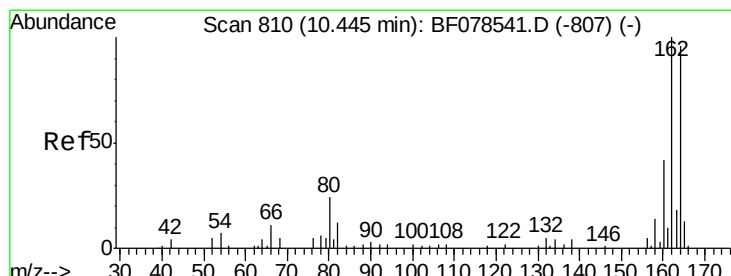
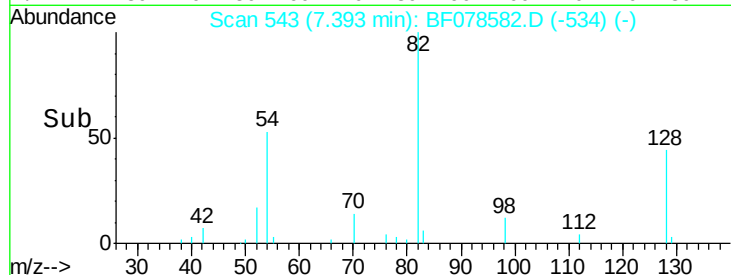
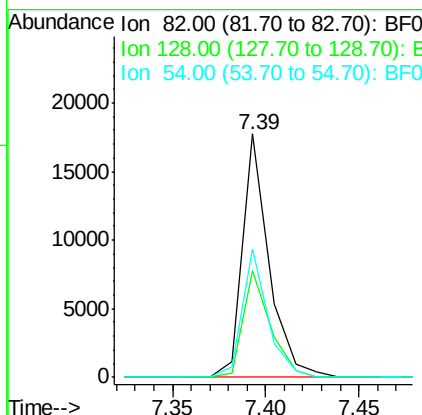
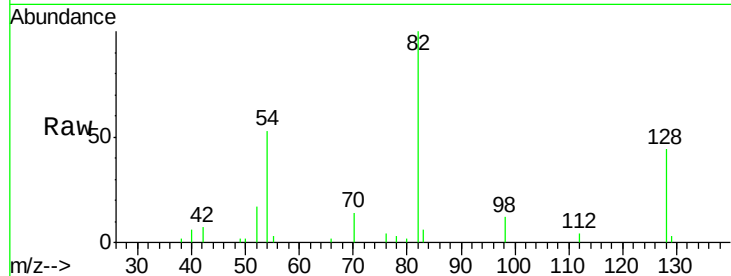




#23
 Nitrobenzene-d5
 Concen: 9.29 ng
 RT: 7.39 min Scan# 543
 Delta R.T. -0.00 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

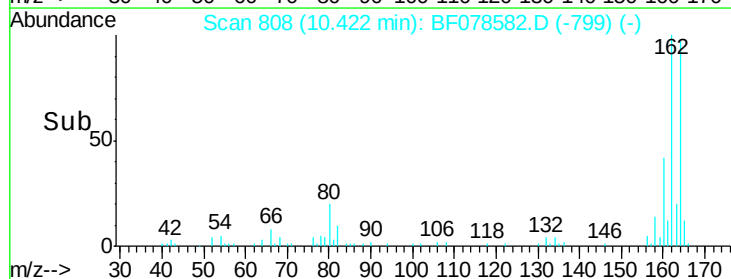
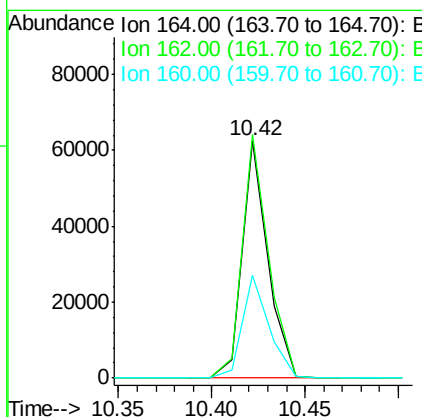
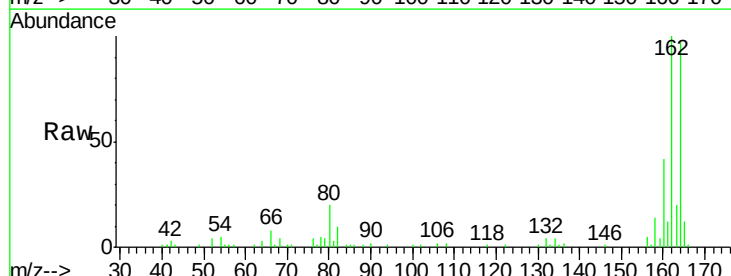
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

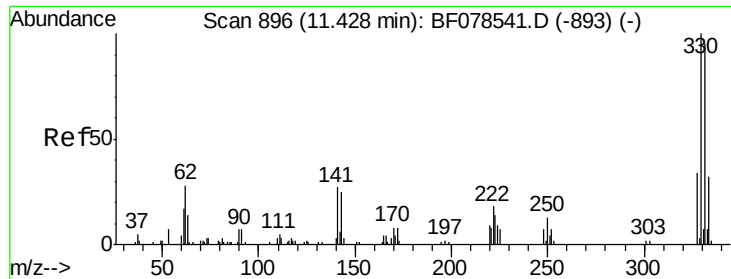
Tgt Ion: 82 Resp: 17572
 Ion Ratio Lower Upper
 82 100
 128 43.8 31.8 47.8
 54 53.0 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

Tgt Ion: 164 Resp: 59448
 Ion Ratio Lower Upper
 164 100
 162 102.6 82.2 123.2
 160 43.3 34.7 52.1

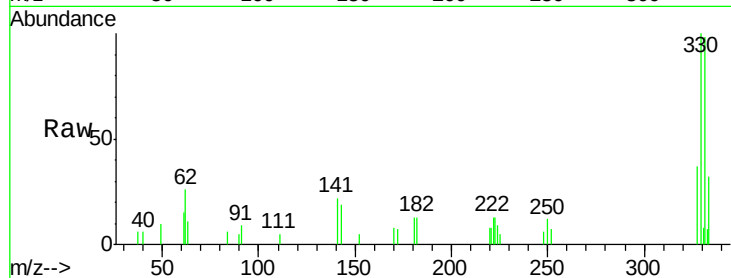




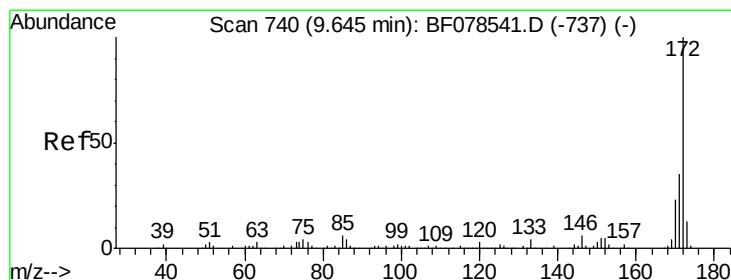
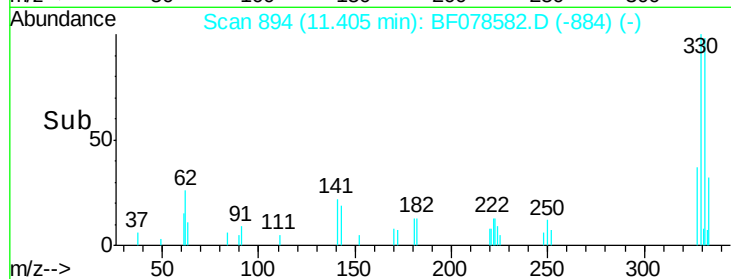
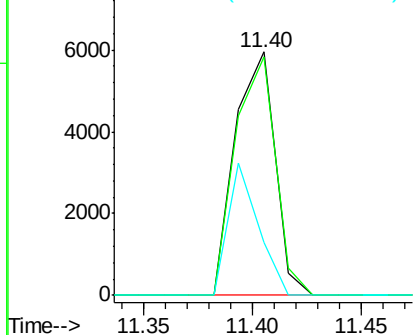
#41
 2,4,6-Tribromophenol
 Concen: 15.34 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

Tgt Ion: 330 Resp: 7563
 Ion Ratio Lower Upper
 330 100
 332 98.7 78.6 117.8
 141 41.1 31.2 46.8

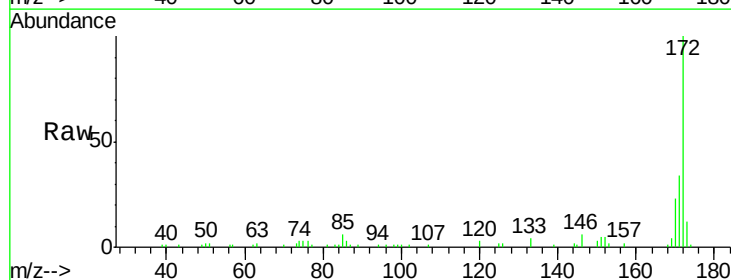


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

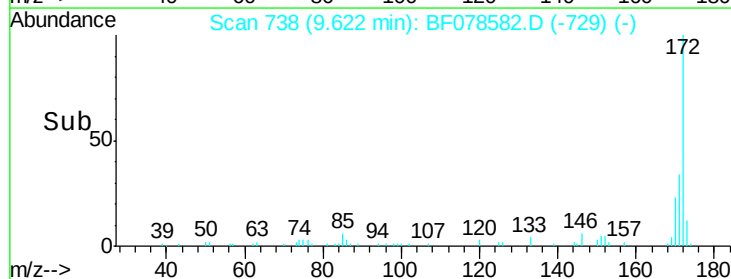
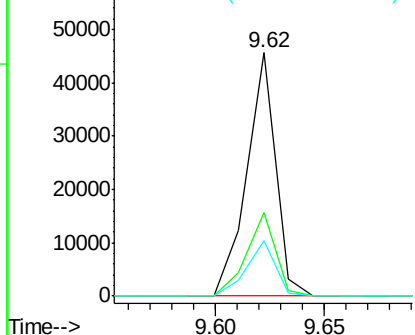


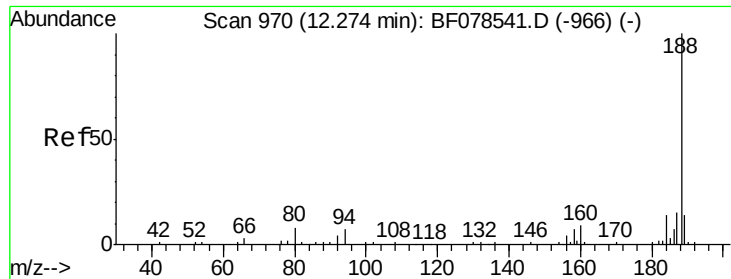
#44
 2-Fluorobiphenyl
 Concen: 10.09 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

Tgt Ion: 172 Resp: 41980
 Ion Ratio Lower Upper
 172 100
 171 34.4 28.6 42.8
 170 22.9 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

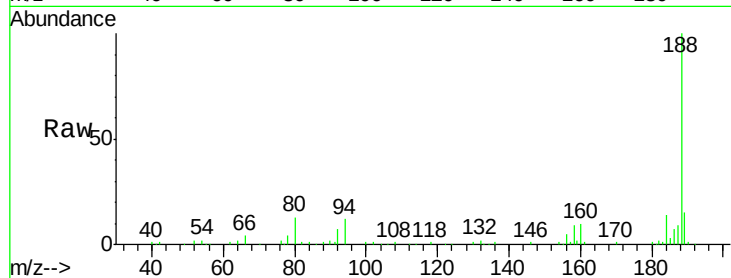




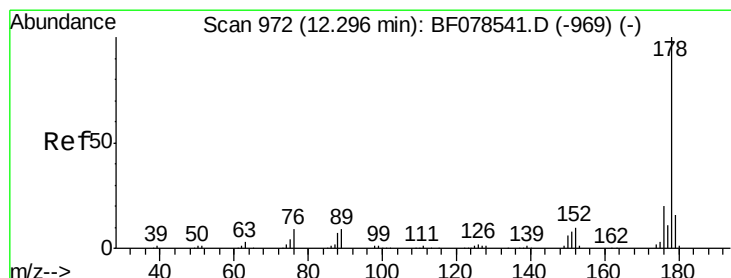
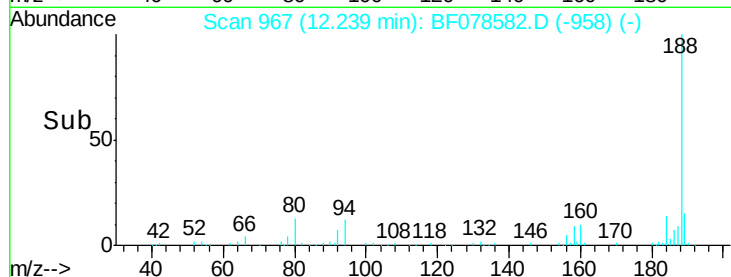
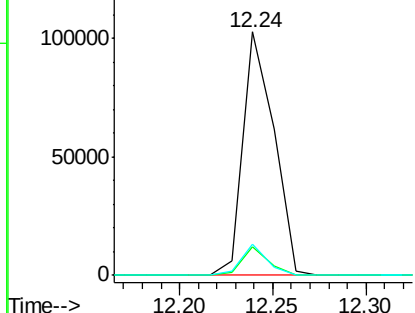
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. -0.00 min
Lab File: BF078582.D
Acq: 16 Apr 2015 23:09

Instrument :
BNA_F
ClientSampleId :
LS-SB102

Tgt Ion:188 Resp: 118373
Ion Ratio Lower Upper
188 100
94 11.8 9.0 13.4
80 12.6 9.5 14.3

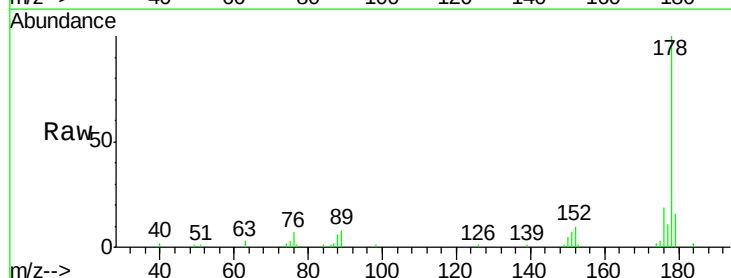


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

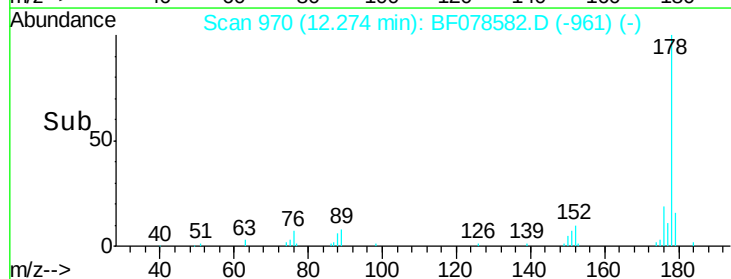
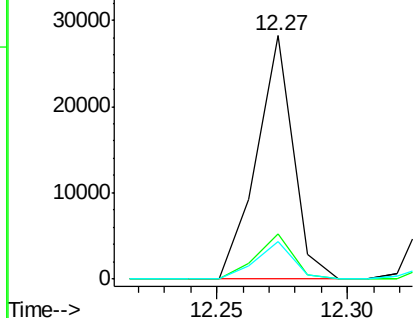


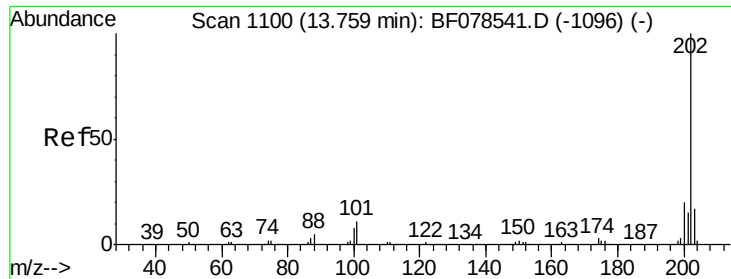
#70
Phenanthrene
Concen: 4.05 ng
RT: 12.27 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF078582.D
Acq: 16 Apr 2015 23:09

Tgt Ion:178 Resp: 27710
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.6 12.2 18.2



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

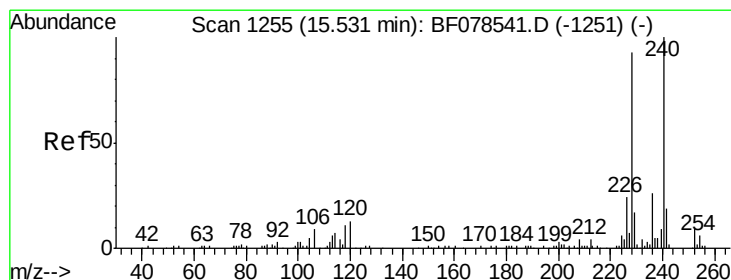
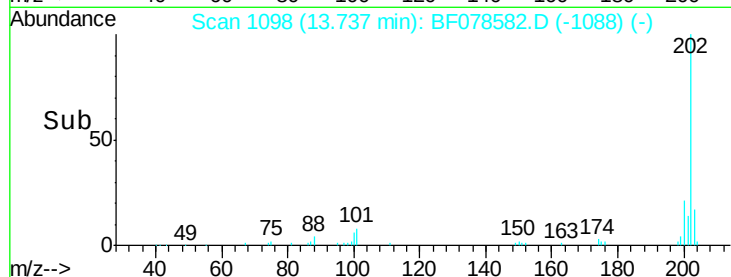
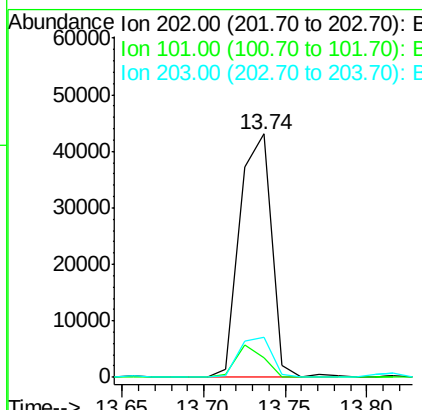
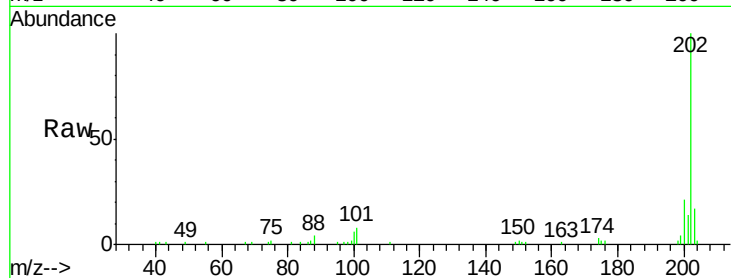




#74
 Fluoranthene
 Concen: 8.04 ng
 RT: 13.74 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

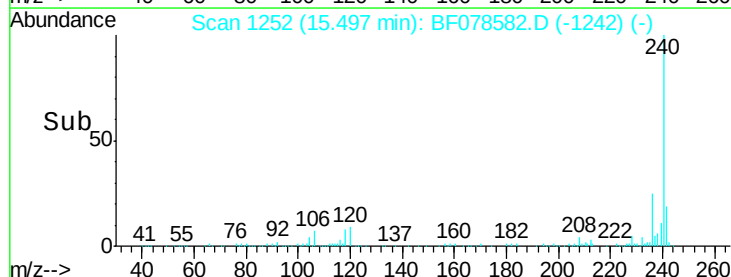
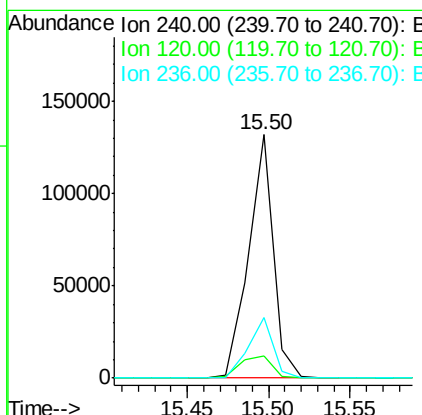
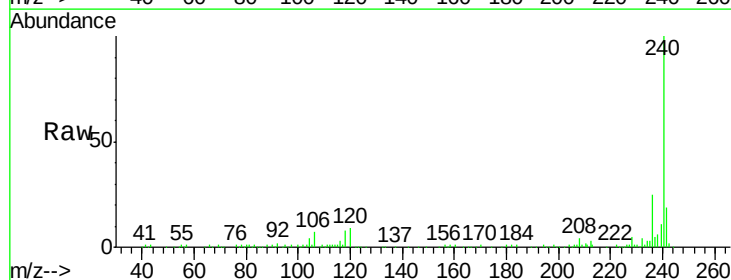
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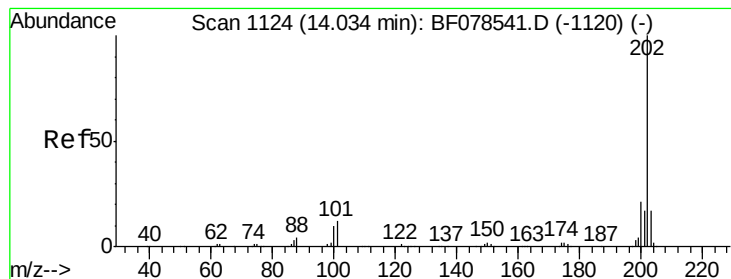
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	35.2
203	16.6	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	7.1	10.7
236	24.8	21.4	32.2





#77

Pyrene

Concen: 6.47 ng

RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Instrument :

BNA_F

ClientSampleId :

LS-SB102

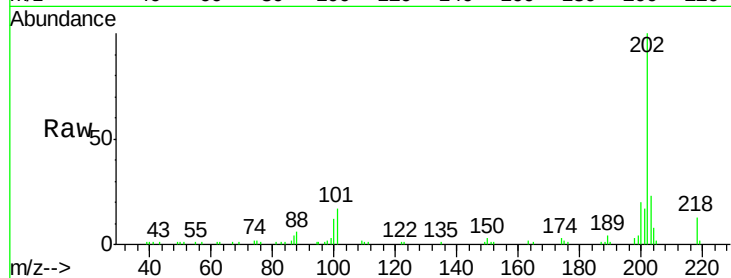
Tgt Ion:202 Resp: 56266

Ion Ratio Lower Upper

202 100

200 20.0 16.3 24.5

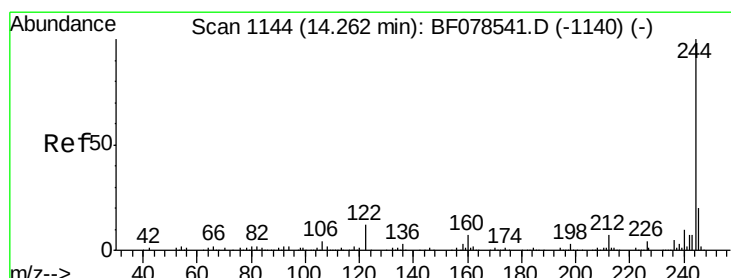
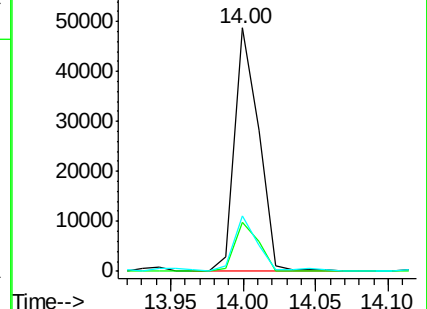
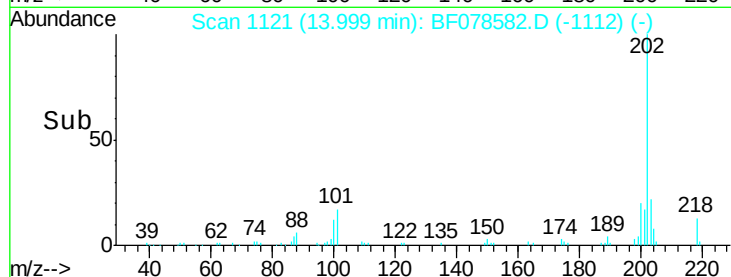
203 23.0 13.8 20.6#



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: 8.29 ng

RT: 14.23 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

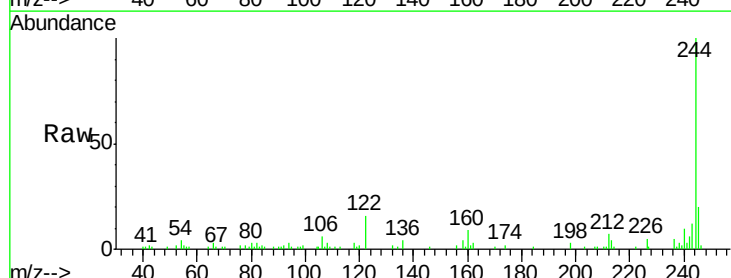
Tgt Ion:244 Resp: 50837

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

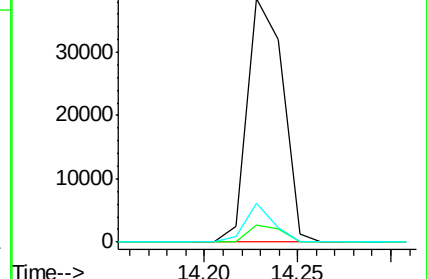
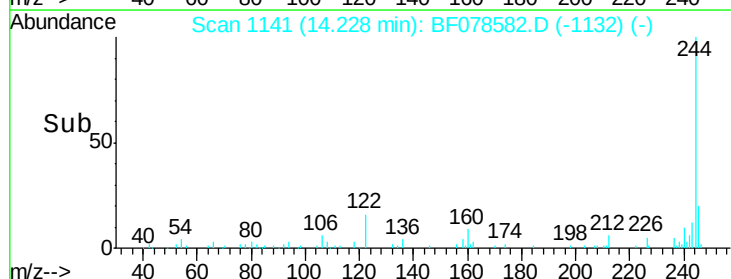
122 16.1 7.1 10.7#

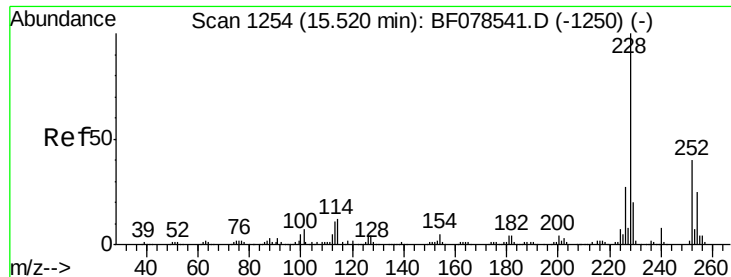


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.87 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Instrument :

BNA_F

ClientSampleId :

LS-SB102

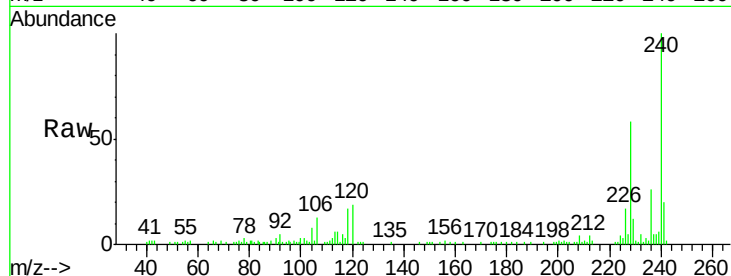
Tgt Ion: 228 Resp: 40202

Ion Ratio Lower Upper

228 100

226 29.4 21.3 31.9

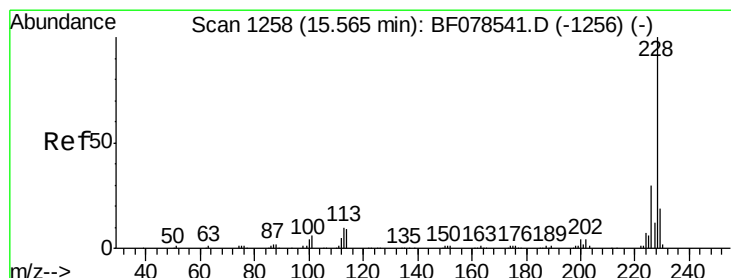
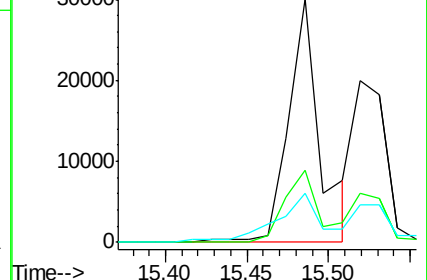
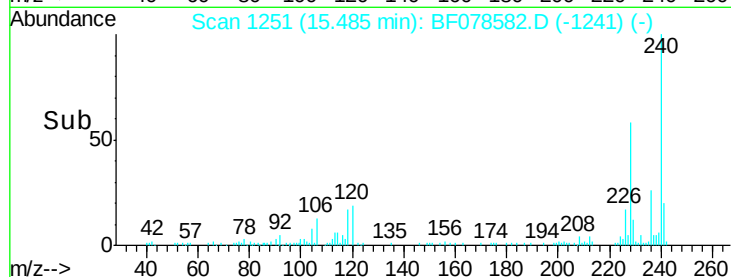
229 20.0 15.4 23.2



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: 3.61 ng

RT: 15.52 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

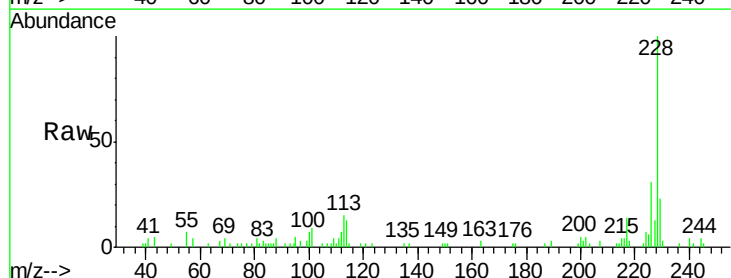
Tgt Ion: 228 Resp: 27996

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.4

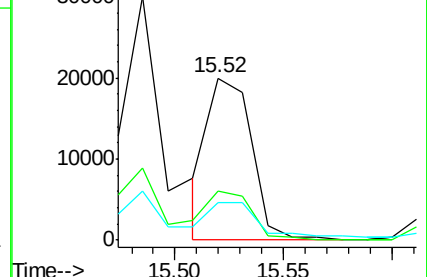
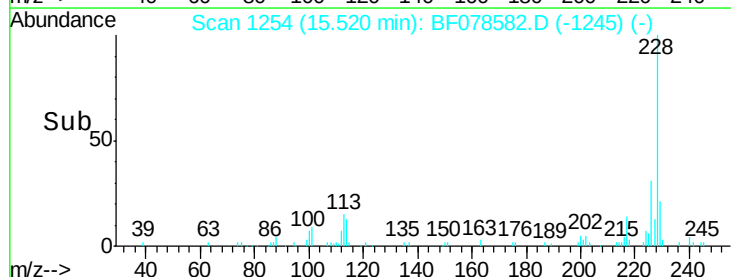
229 23.0 15.8 23.8

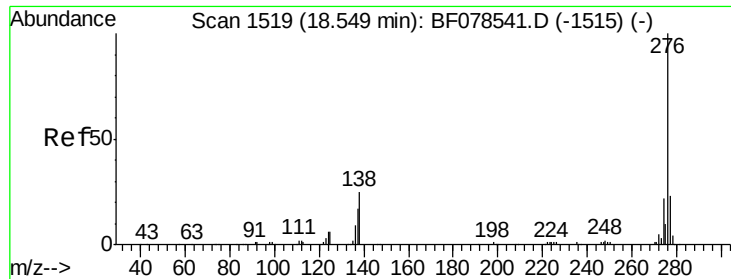


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

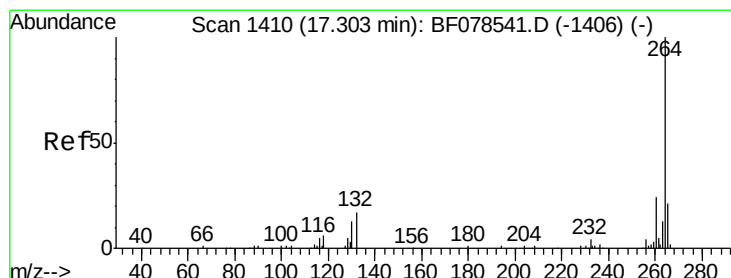
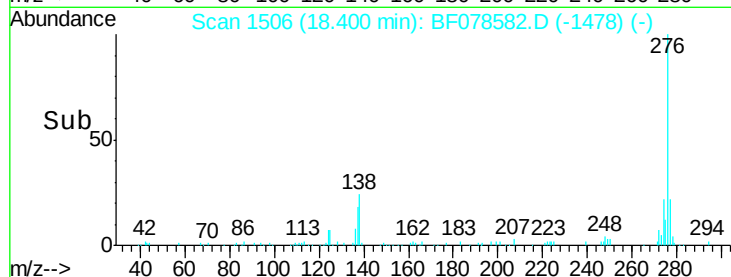
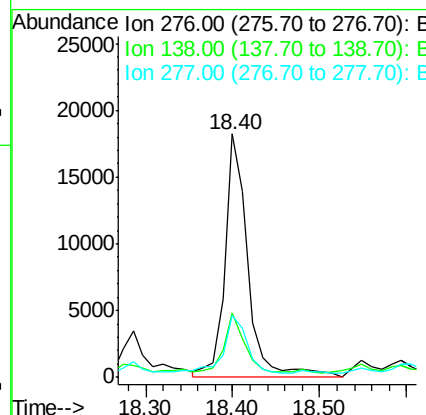
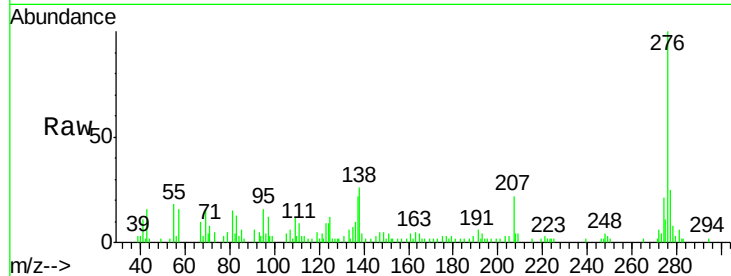




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.83 ng
 RT: 18.40 min Scan# 1506
 Delta R.T. 0.02 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

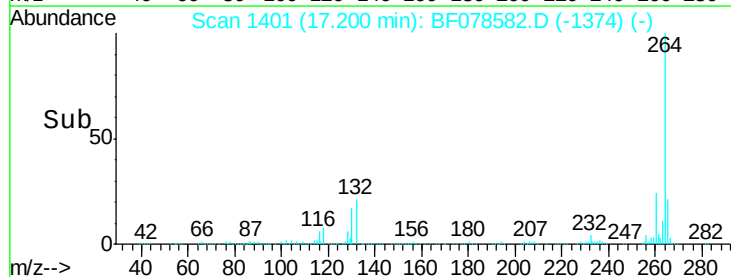
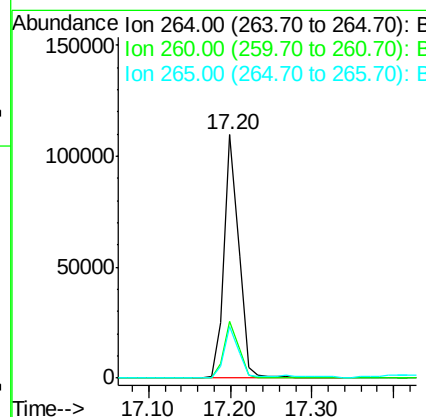
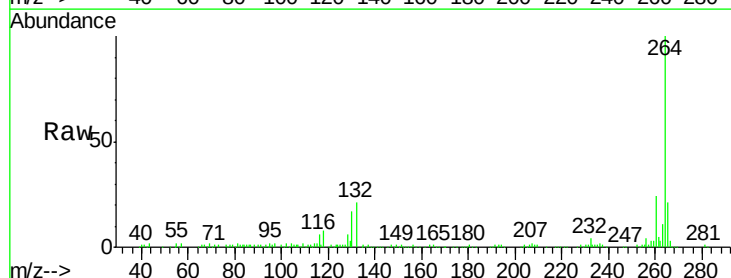
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB102

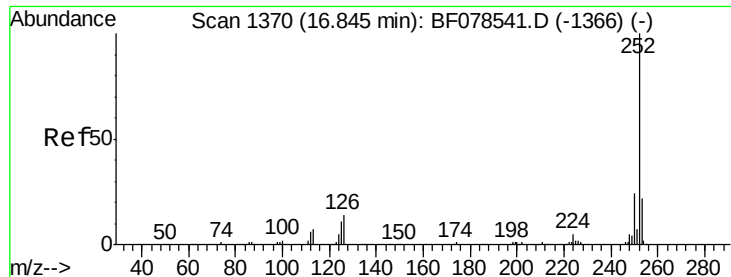
Tgt Ion: 276 Resp: 33692
 Ion Ratio Lower Upper
 276 100
 138 20.7 16.9 25.3
 277 23.8 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.20 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF078582.D
 Acq: 16 Apr 2015 23:09

Tgt Ion: 264 Resp: 137210
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 27.8
 265 21.4 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 6.59 ng m

RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Instrument :

BNA_F

ClientSampleId :

LS-SB102

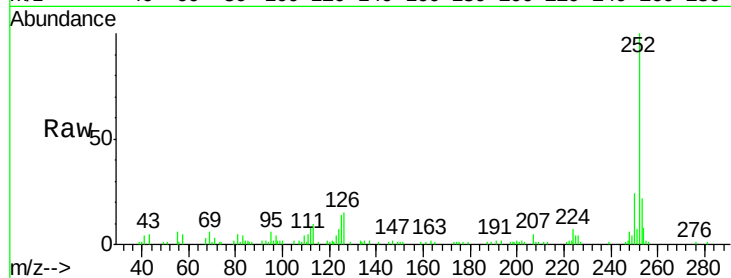
Tgt Ion:252 Resp: 55854

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

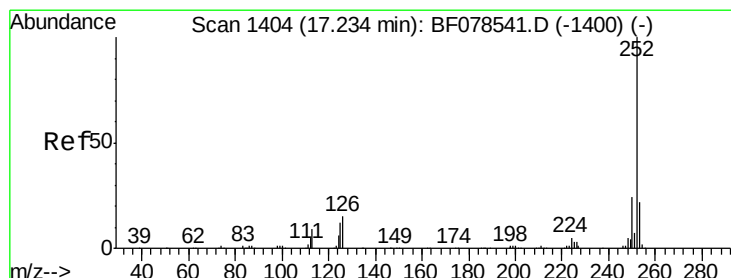
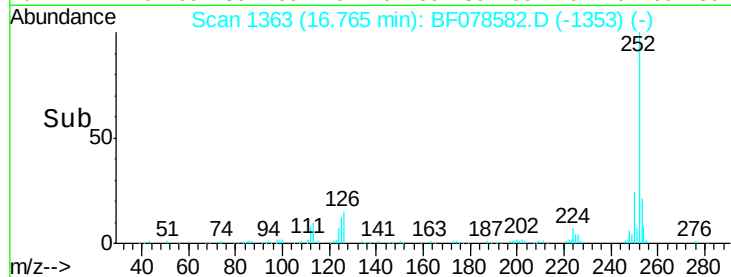
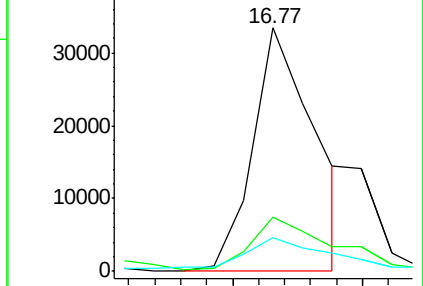
125 14.1 7.0 10.4#



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



#89

Benzo(a)pyrene

Concen: 5.20 ng

RT: 17.14 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

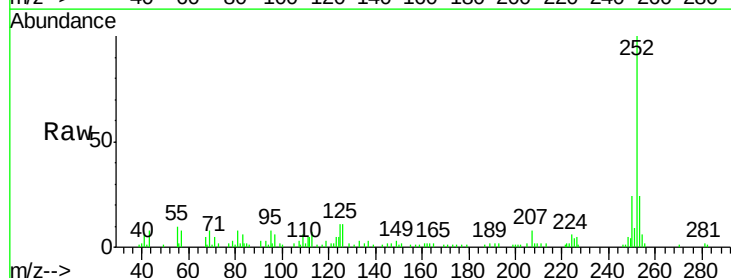
Tgt Ion:252 Resp: 38499

Ion Ratio Lower Upper

252 100

253 24.2 16.8 25.2

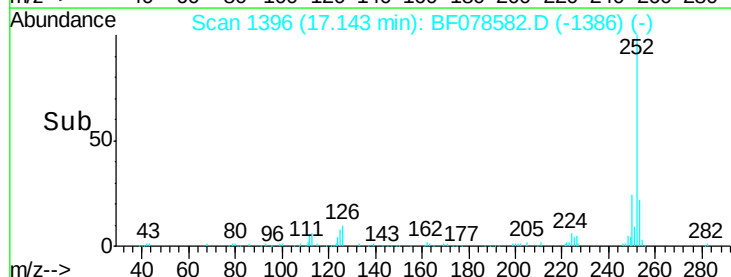
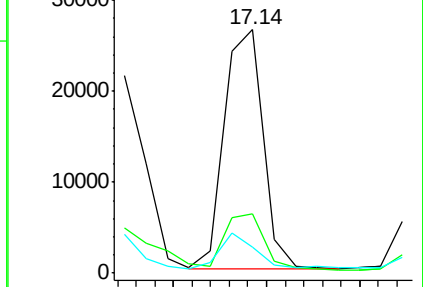
125 10.8 7.4 11.0

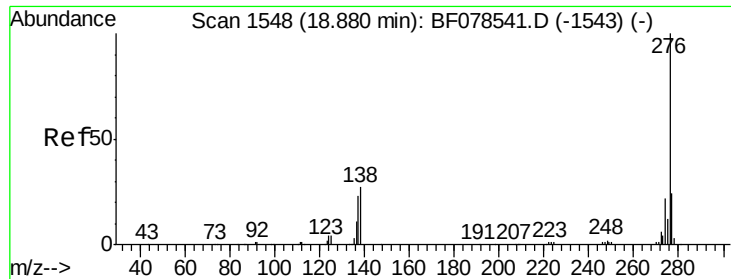


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.98 ng

RT: 18.73 min Scan# 1535

Delta R.T. 0.02 min

Lab File: BF078582.D

Acq: 16 Apr 2015 23:09

Instrument :

BNA_F

ClientSampleId :

LS-SB102

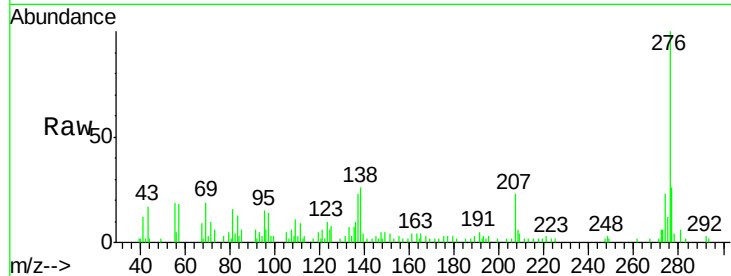
Tgt Ion:276 Resp: 29590

Ion Ratio Lower Upper

276 100

277 26.3 19.0 28.4

138 26.0 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

