

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
 Data File : BF083584.D
 Acq On : 8 Dec 2015 6:13
 Operator : UM/IZ
 Sample : G4584-05DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Quant Time: Dec 08 07:31:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	208335	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	760398	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	337701	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	517511	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	468580	20.00	ng	-0.03
86) Perylene-d12	18.65	264	368327	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.00	112	775770	56.49	ng	-0.03
7) Phenol-d6	5.29	99	1035320	54.72	ng	-0.03
23) Nitrobenzene-d5	6.54	82	636940	39.15	ng	-0.06
41) 2,4,6-Tribromophenol	11.70	330	151661	48.68	ng	-0.06
44) 2-Fluorobiphenyl	9.37	172	950649	38.18	ng	-0.06
78) Terphenyl-d14	15.44	244	681914	32.38	ng	-0.05

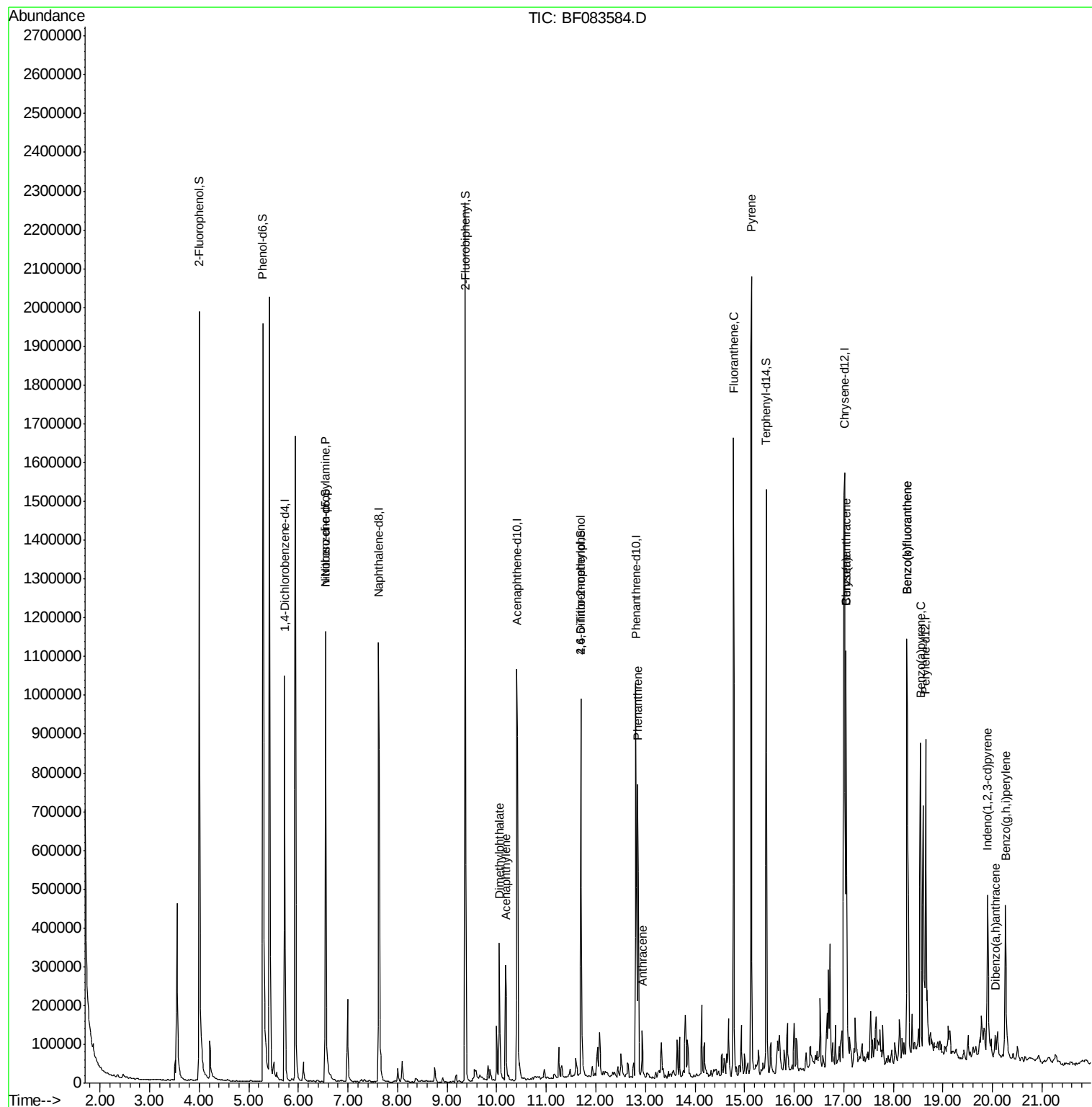
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.54	70	78256	6.20	ng	# 81
48) Acenaphthylene	10.18	152	201826	5.45	ng	98
49) Dimethylphthalate	10.05	163	190236	7.16	ng	98
64) 4,6-Dinitro-2-methylphenol	11.70	198	234	3.55	ng	# 1
70) Phenanthrene	12.84	178	448170	14.88	ng	100
71) Anthracene	12.93	178	75230	2.45	ng	99
74) Fluoranthene	14.77	202	989807	33.15	ng	97
77) Pyrene	15.14	202	1347292	38.44	ng	100
80) Benzo(a)anthracene	17.05	228	527274	19.23	ng	96
82) Chrysene	17.05	228	527274	19.31	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	302973	12.94	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	811237	39.22	ng	# 96
88) Benzo(k)fluoranthene	18.27	252	811237	38.28	ng	98
89) Benzo(a)pyrene	18.55	252	363278	18.06	ng	98
90) Dibenzo(a,h)anthracene	20.05	278	39460	2.04	ng	100
91) Benzo(g,h,i)perylene	20.26	276	328427	16.84	ng	97

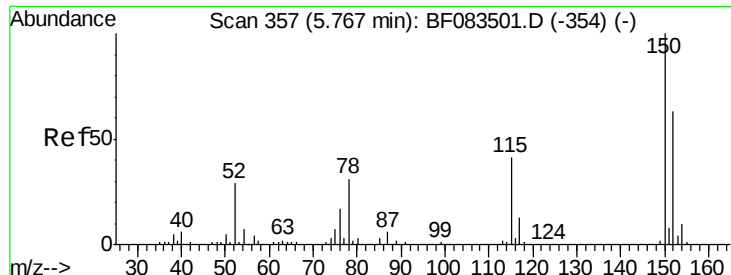
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120715\
Data File : BF083584.D
Acq On : 8 Dec 2015 6:13
Operator : UM/IZ
Sample : G4584-05DL 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Quant Time: Dec 08 07:31:22 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

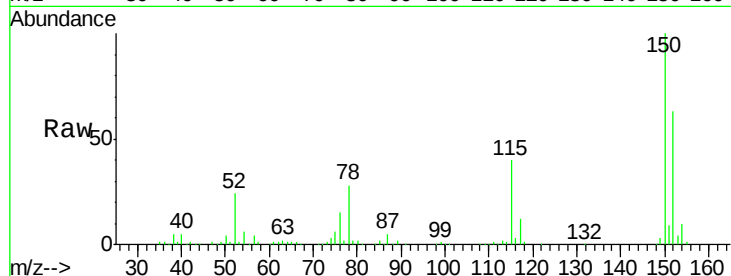
Tgt Ion:152 Resp: 208335

Ion Ratio Lower Upper

152 100

150 159.8 126.5 189.7

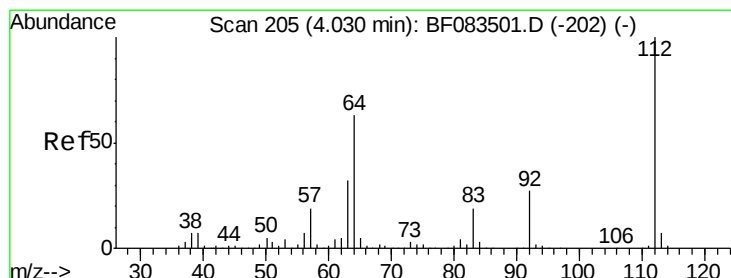
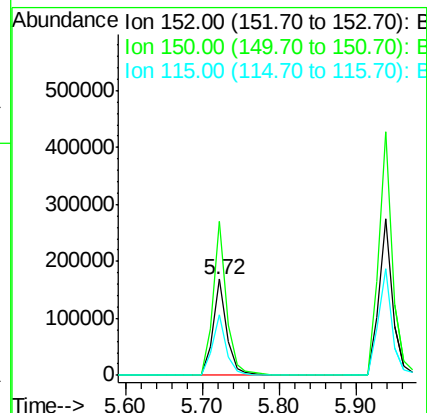
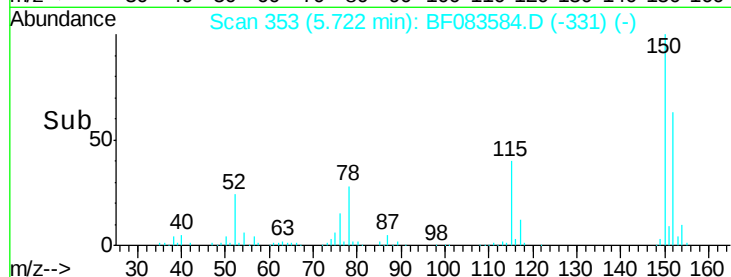
115 63.5 52.3 78.5



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: 56.49 ng

RT: 4.00 min Scan# 202

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

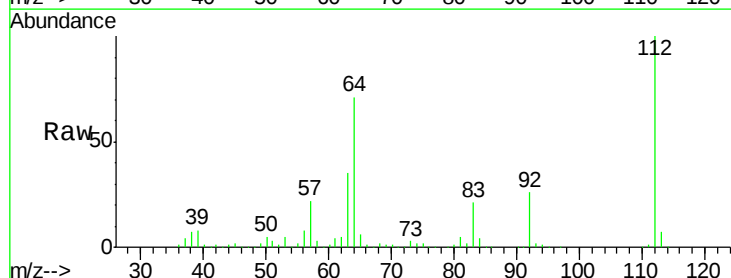
Tgt Ion:112 Resp: 775770

Ion Ratio Lower Upper

112 100

64 70.8 50.5 75.7

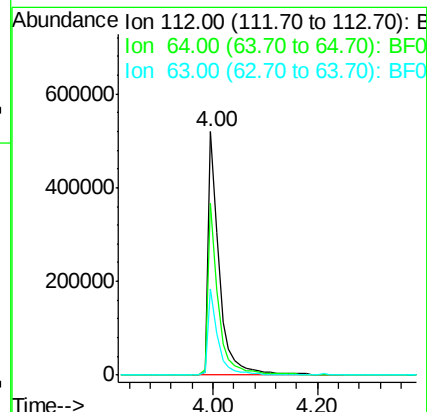
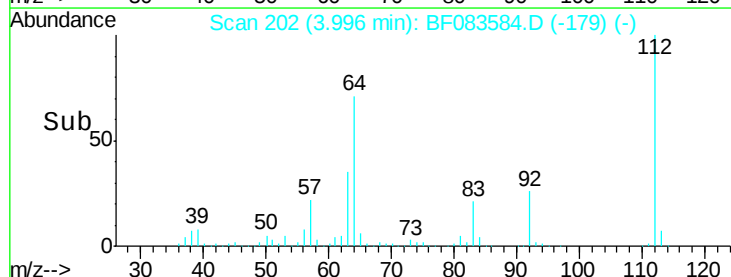
63 35.2 25.8 38.6

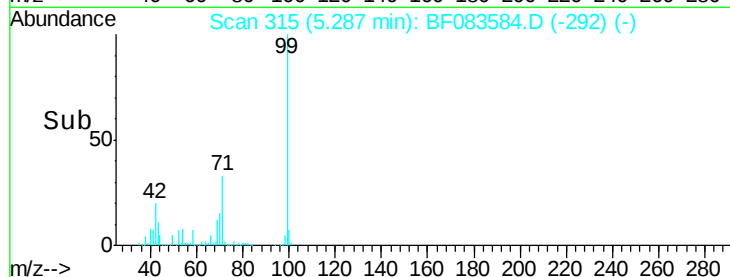
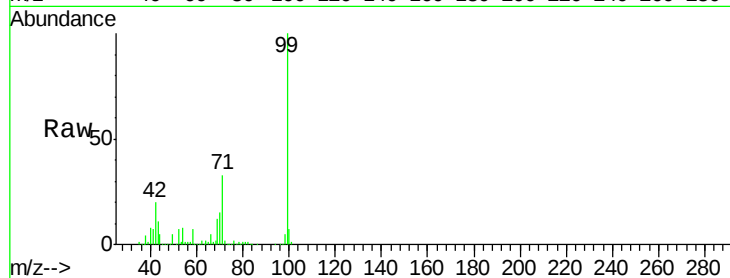
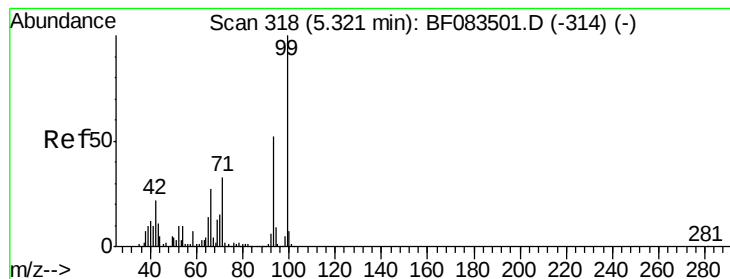


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.72 ng

RT: 5.29 min Scan# 315

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

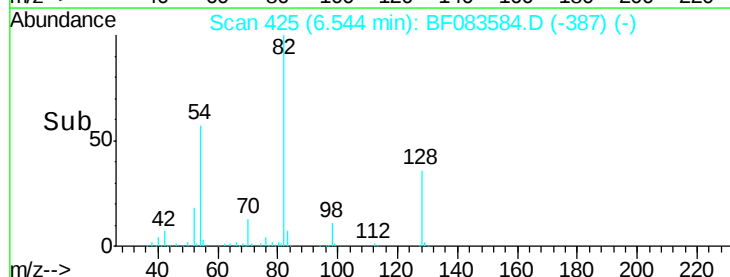
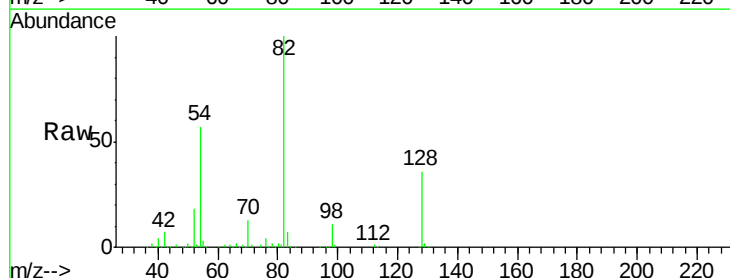
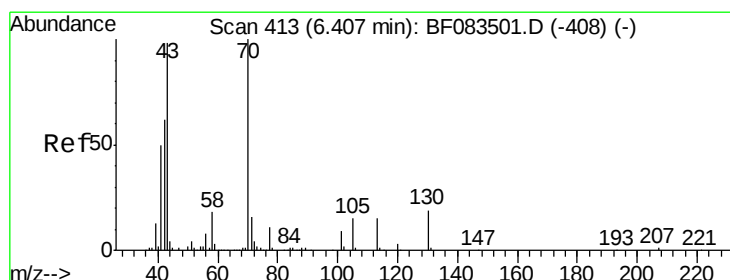
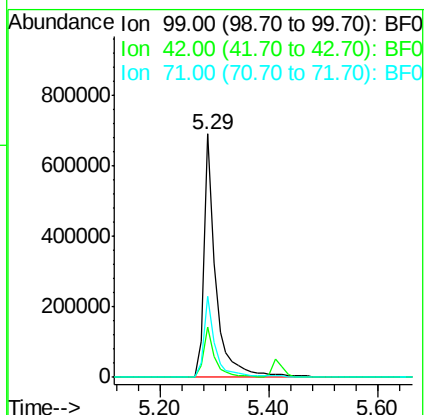
Tgt Ion: 99 Resp: 1035320

Ion Ratio Lower Upper

99 100

42 20.4 17.3 25.9

71 33.4 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 6.20 ng

RT: 6.54 min Scan# 425

Delta R.T. 0.14 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion: 70 Resp: 78256

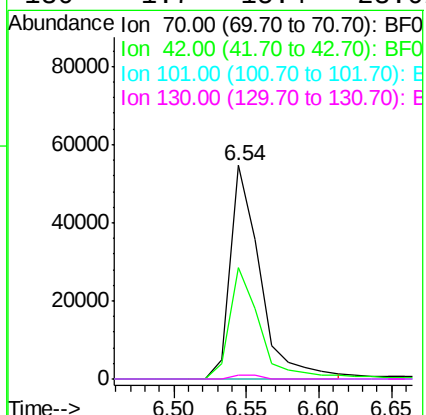
Ion Ratio Lower Upper

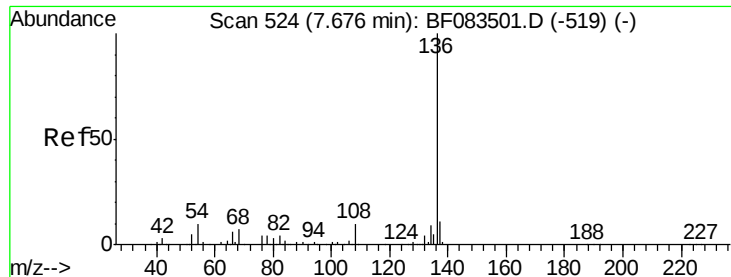
70 100

42 52.0 49.2 73.8

101 0.0 7.1 10.7#

130 1.7 15.4 23.0#

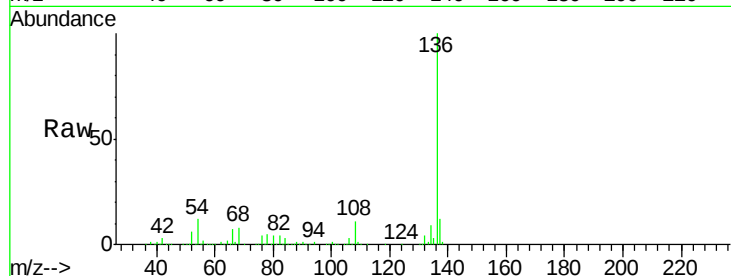




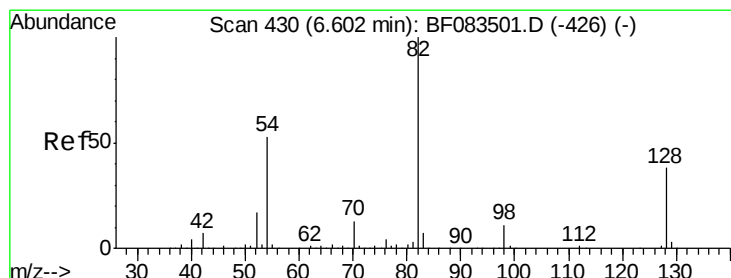
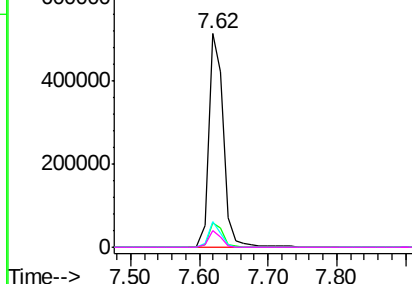
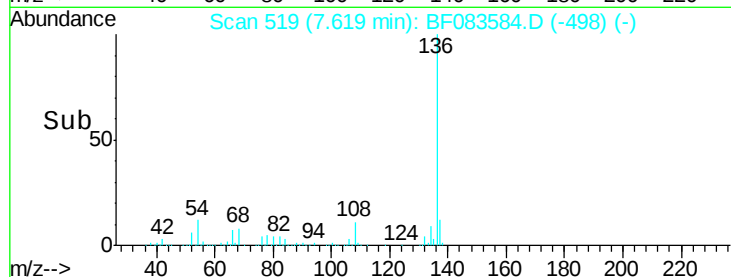
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.06 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tgt Ion:	136	Resp:	760398
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	12.0	7.8	11.6#
68	7.9	5.7	8.5

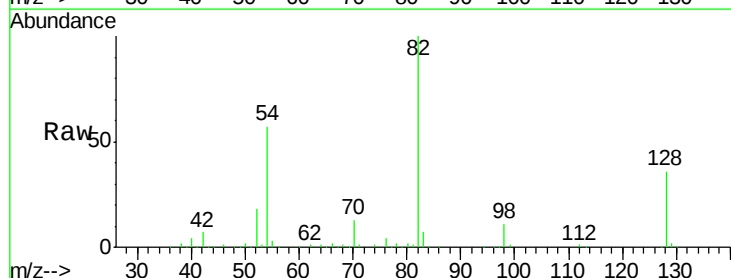


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

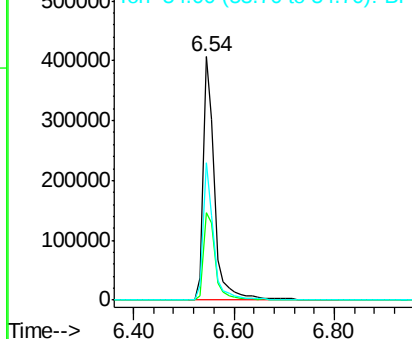
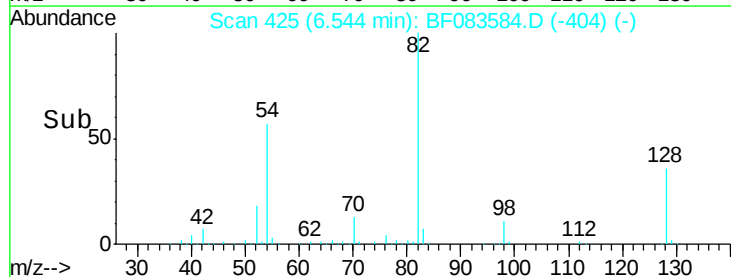


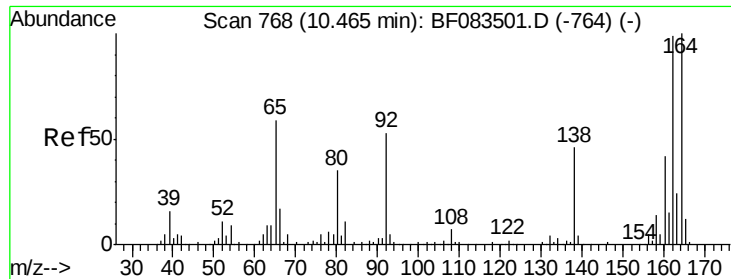
#23
Nitrobenzene-d5
Concen: 39.15 ng
RT: 6.54 min Scan# 425
Delta R.T. -0.06 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion:	82	Resp:	636940
Ion	Ratio	Lower	Upper
82	100		
128	35.7	30.7	46.1
54	56.5	42.5	63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

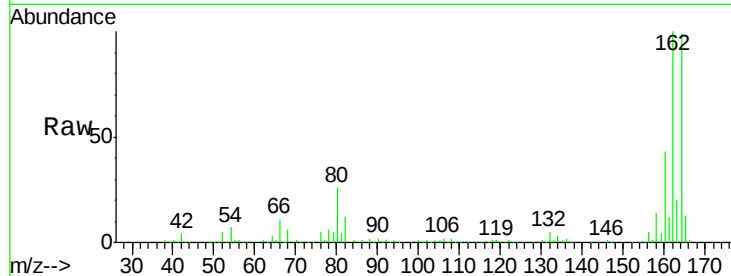




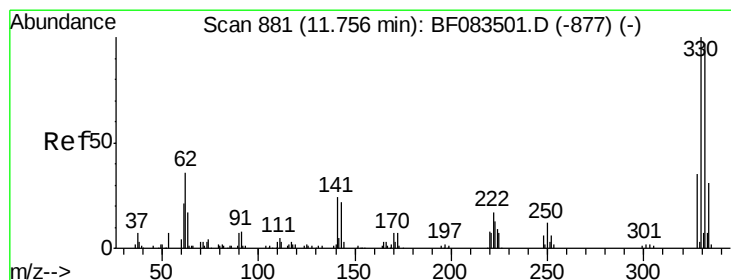
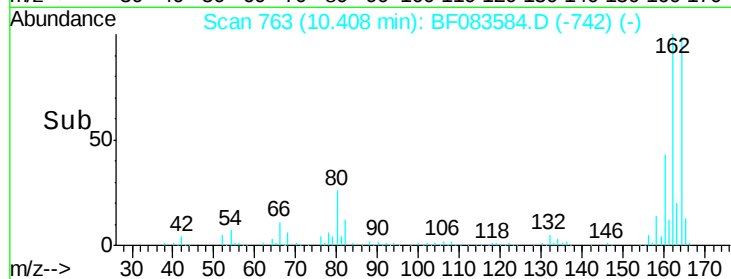
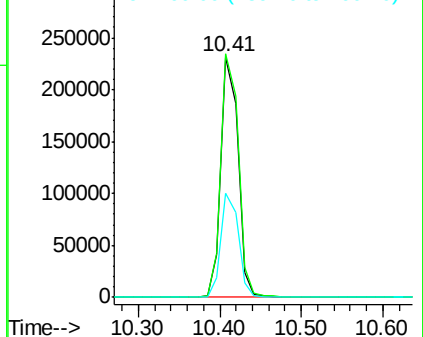
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 763
 Delta R.T. -0.06 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tgt Ion:164 Resp: 337701
 Ion Ratio Lower Upper
 164 100
 162 101.3 78.8 118.2
 160 43.2 33.4 50.2

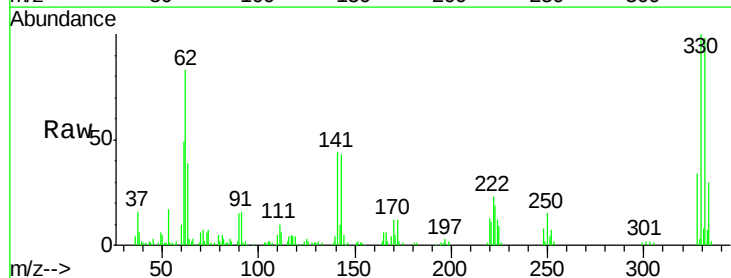


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

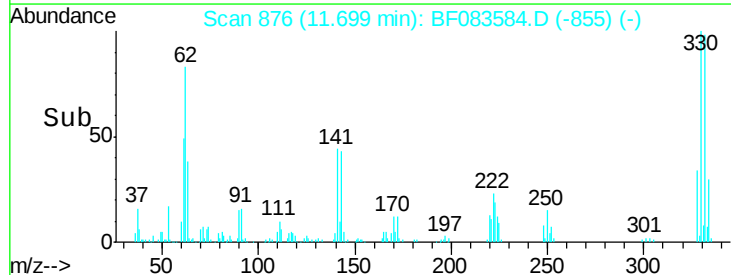
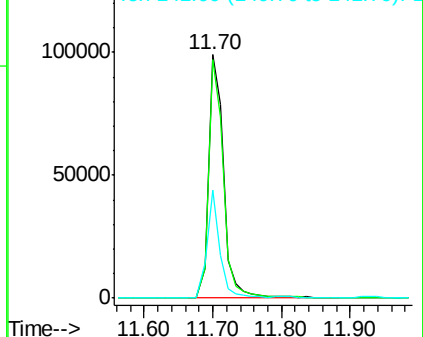


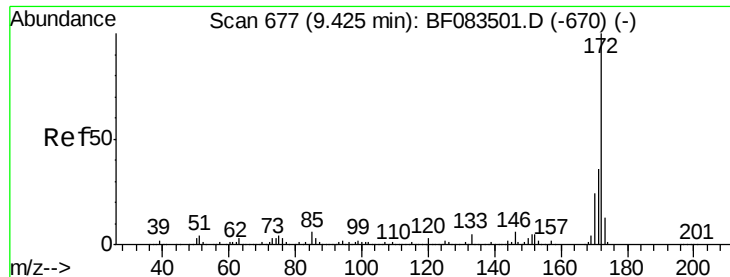
#41
 2,4,6-Tribromophenol
 Concen: 48.68 ng
 RT: 11.70 min Scan# 876
 Delta R.T. -0.06 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Tgt Ion:330 Resp: 151661
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 38.2 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: 38.18 ng

RT: 9.37 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

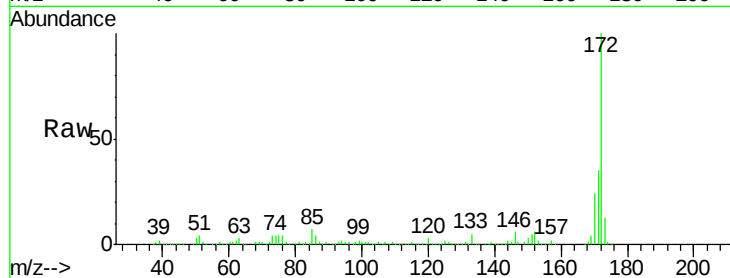
Tgt Ion:172 Resp: 950649

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

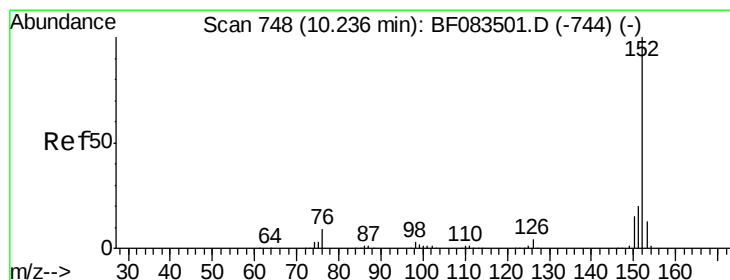
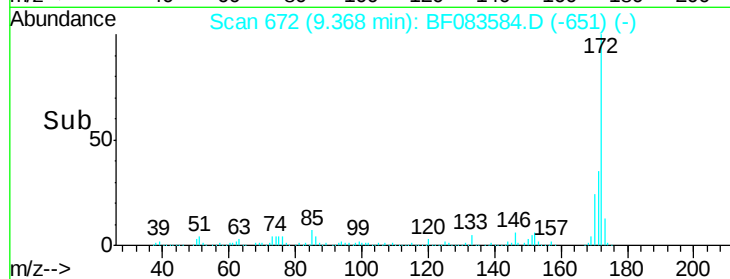
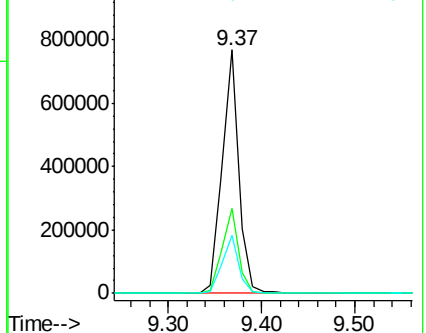
170 24.0 19.4 29.0



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



#48

Acenaphthylene

Concen: 5.45 ng

RT: 10.18 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

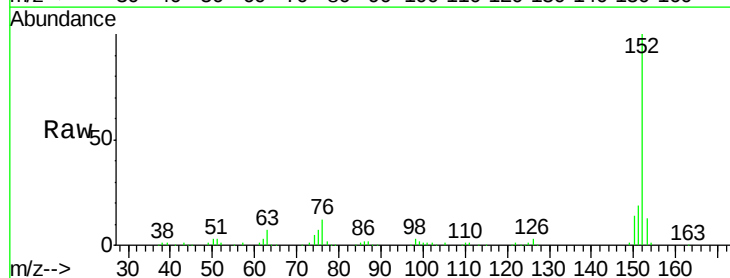
Tgt Ion:152 Resp: 201826

Ion Ratio Lower Upper

152 100

151 19.0 16.3 24.5

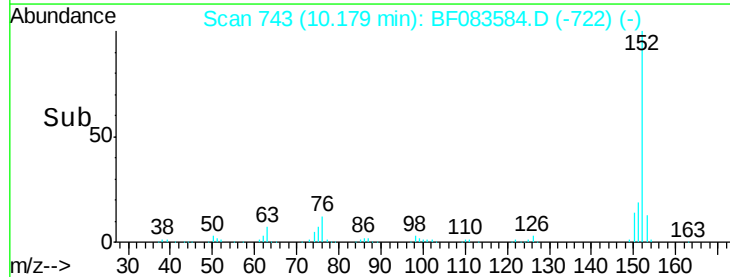
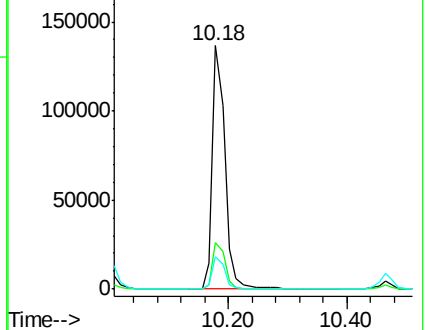
153 13.3 10.8 16.2

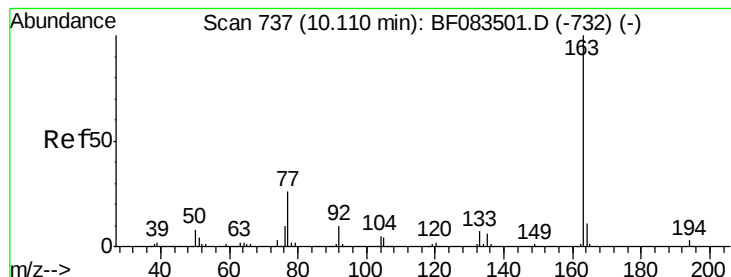


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 7.16 ng

RT: 10.05 min Scan# 732

Delta R.T. -0.06 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

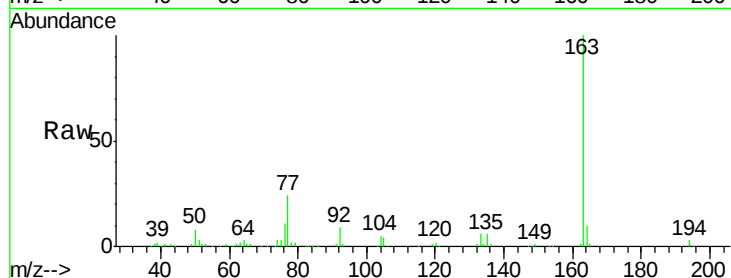
Tgt Ion:163 Resp: 190236

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

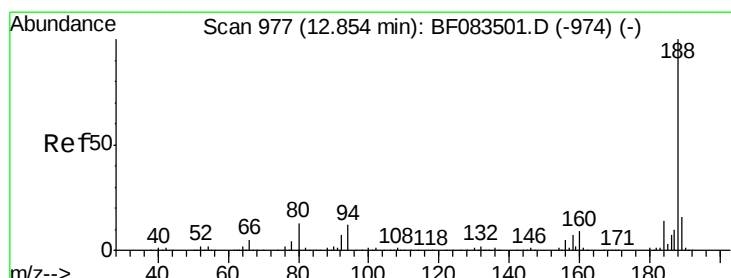
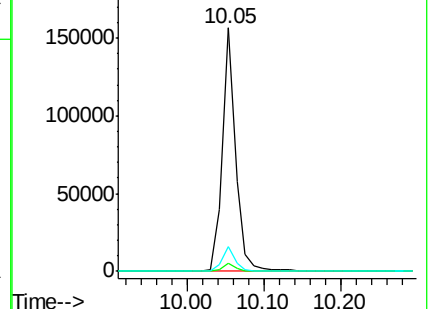
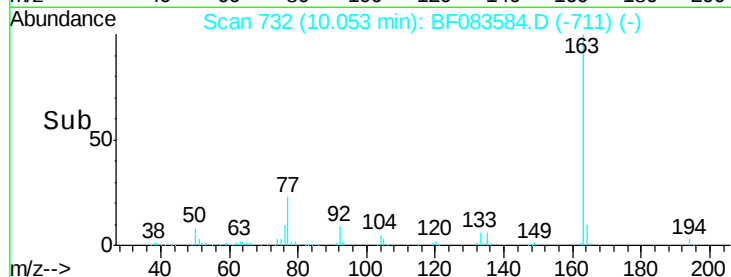
164 10.1 8.6 13.0



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: 12.81 min Scan# 973

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

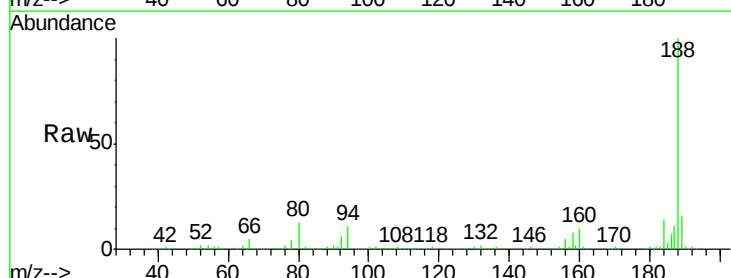
Tgt Ion:188 Resp: 517511

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

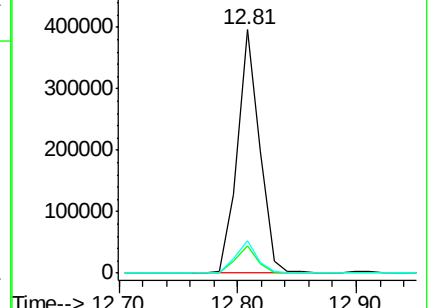
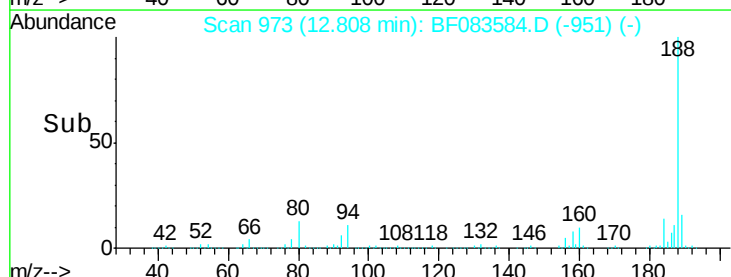
80 13.1 10.6 16.0

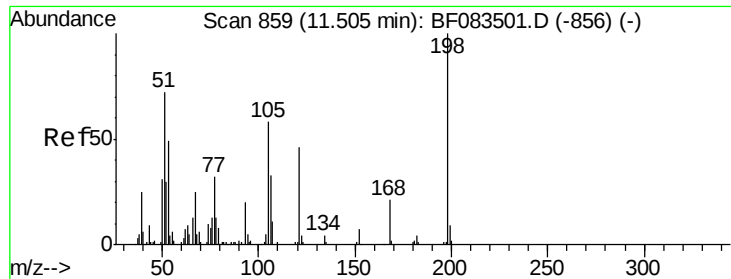


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

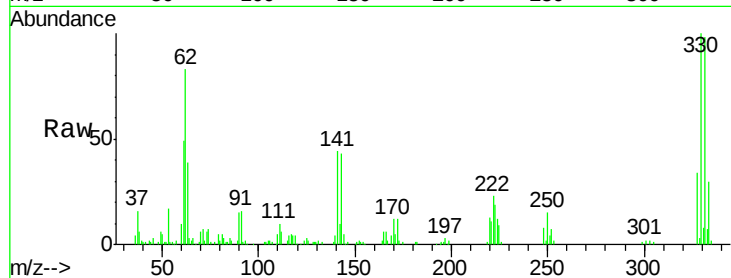




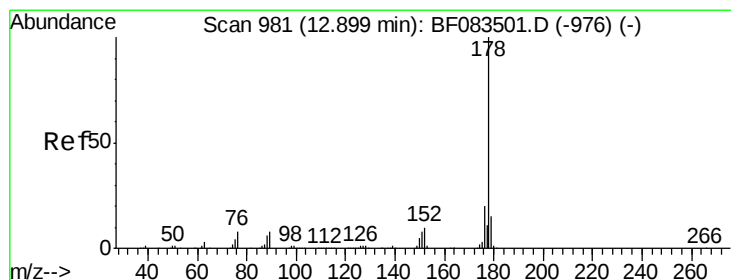
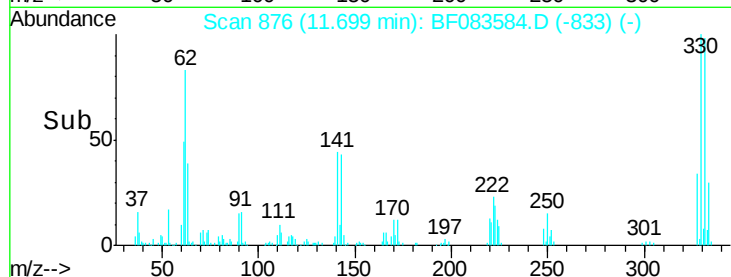
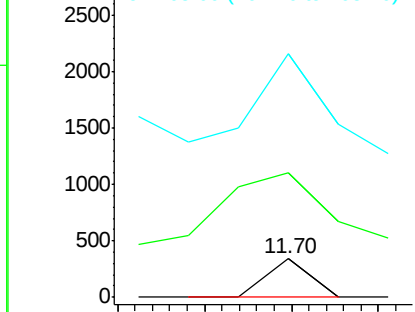
#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.55 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.20 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tgt Ion:198 Resp: 234
 Ion Ratio Lower Upper
 198 100
 51 324.3 53.8 93.8#
 105 630.7 38.6 78.6#

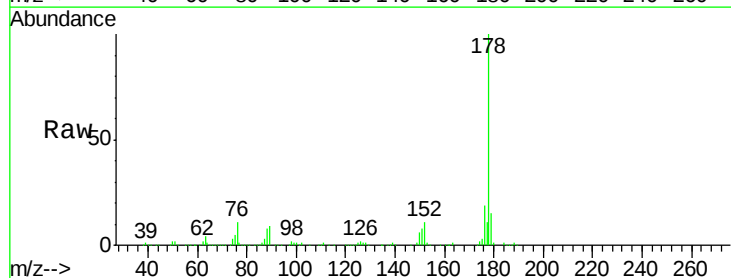


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

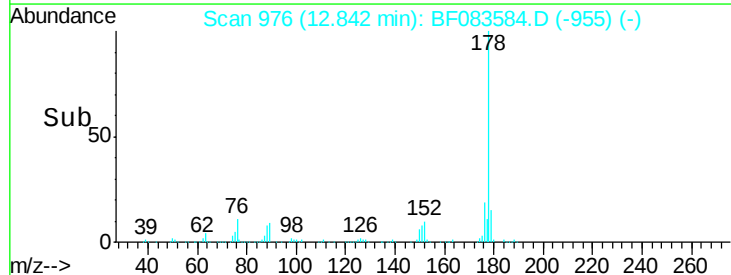
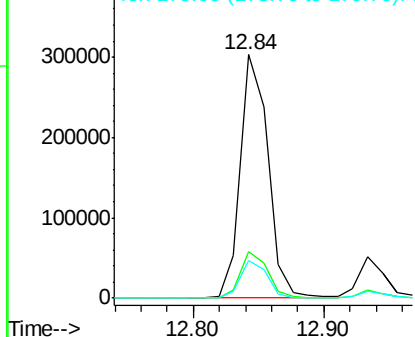


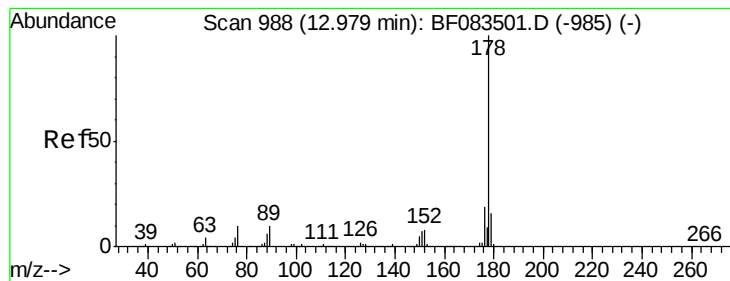
#70
 Phenanthrene
 Concen: 14.88 ng
 RT: 12.84 min Scan# 976
 Delta R.T. -0.06 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Tgt Ion:178 Resp: 448170
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.7 23.5
 179 15.3 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





#71

Anthracene

Concen: 2.45 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

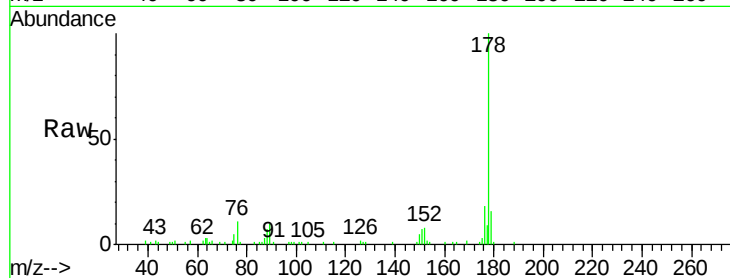
Tgt Ion:178 Resp: 75230

Ion Ratio Lower Upper

178 100

176 18.4 15.2 22.8

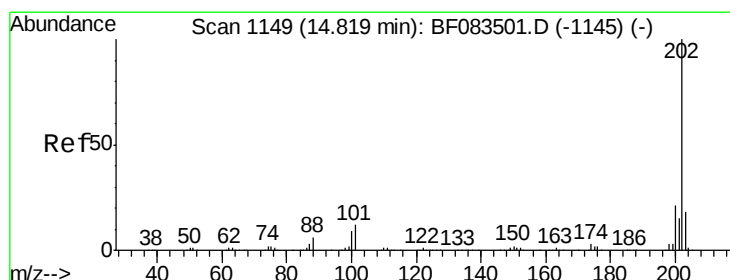
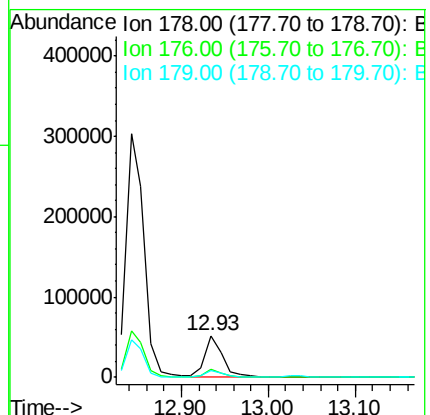
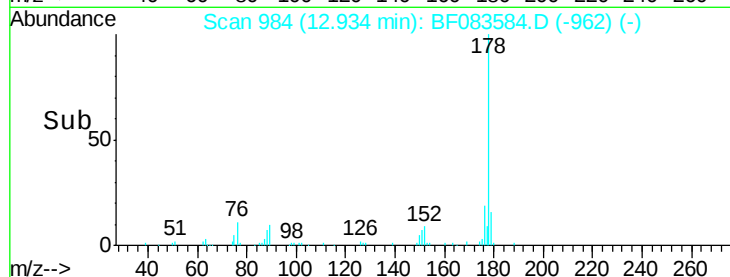
179 16.1 12.6 18.8



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: 33.15 ng

RT: 14.77 min Scan# 1145

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

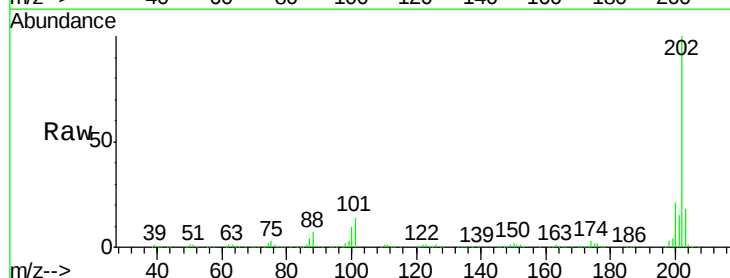
Tgt Ion:202 Resp: 989807

Ion Ratio Lower Upper

202 100

101 13.7 0.0 31.5

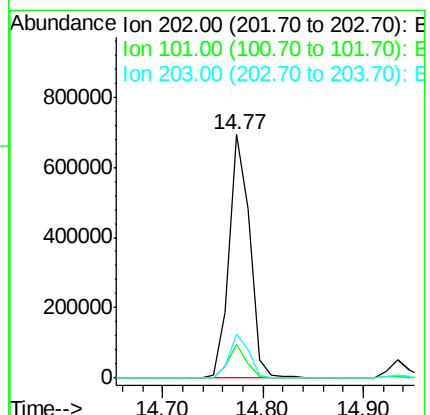
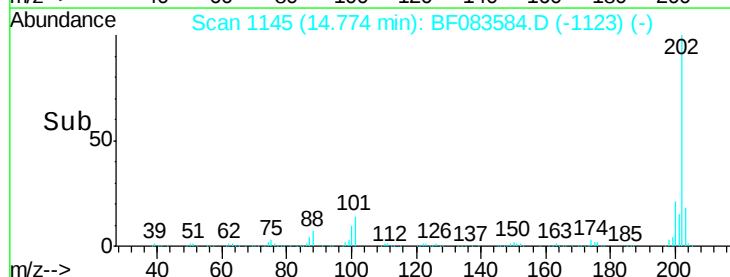
203 17.9 0.0 37.6

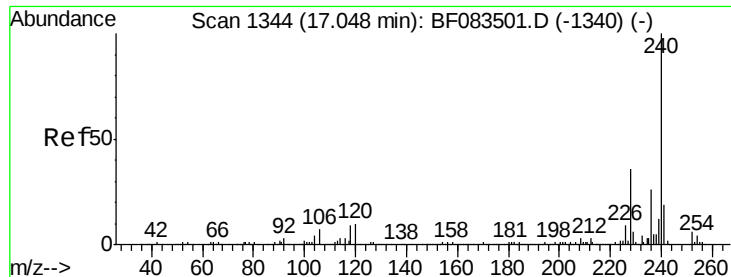


Abundance Ion 202.00 (201.70 to 202.70): E

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: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

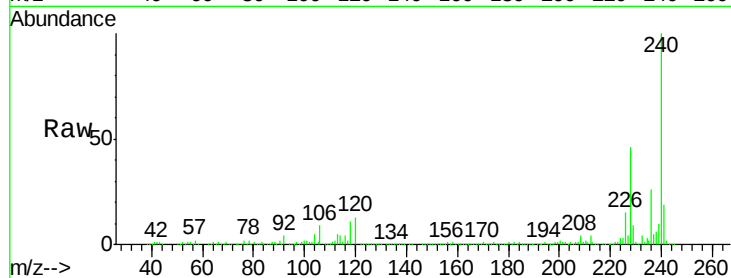
Tgt Ion:240 Resp: 468580

Ion Ratio Lower Upper

240 100

120 12.9 8.1 12.1#

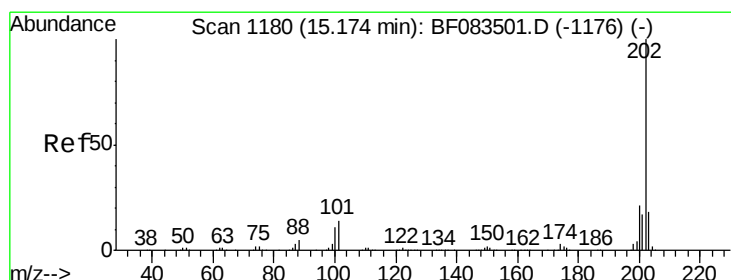
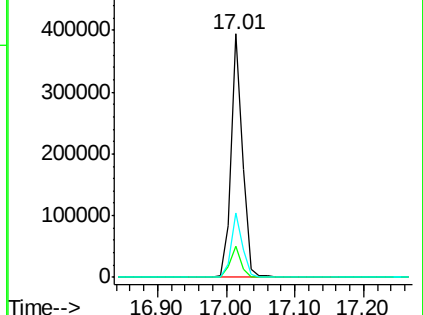
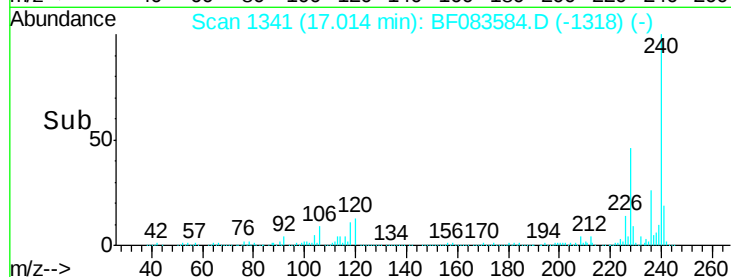
236 26.3 20.8 31.2



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: 38.44 ng

RT: 15.14 min Scan# 1177

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

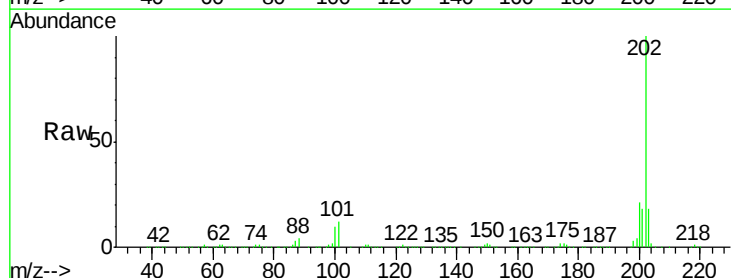
Tgt Ion:202 Resp: 1347292

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

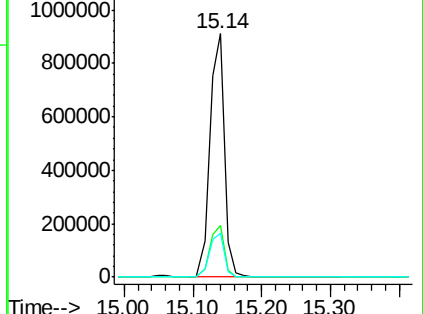
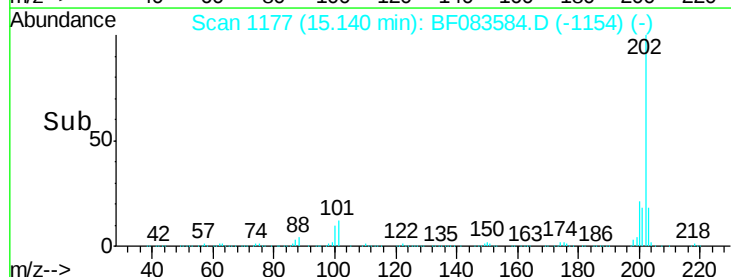
203 17.9 14.3 21.5

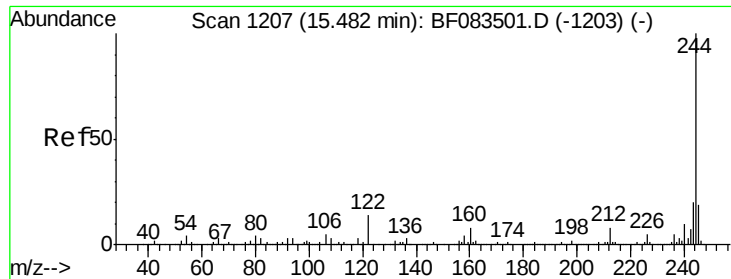


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.38 ng

RT: 15.44 min Scan# 1203

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

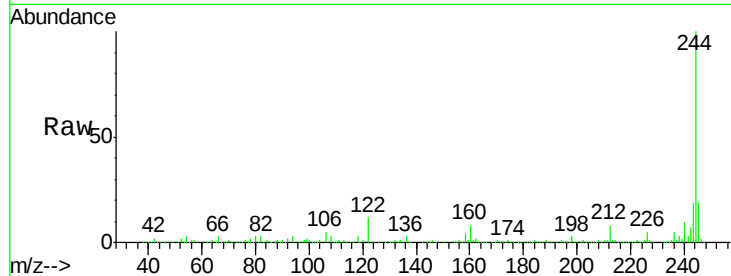
Tgt Ion:244 Resp: 681914

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

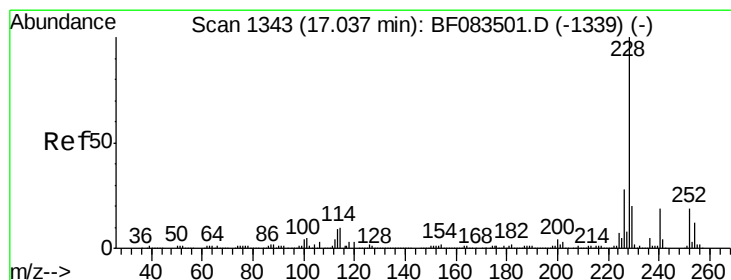
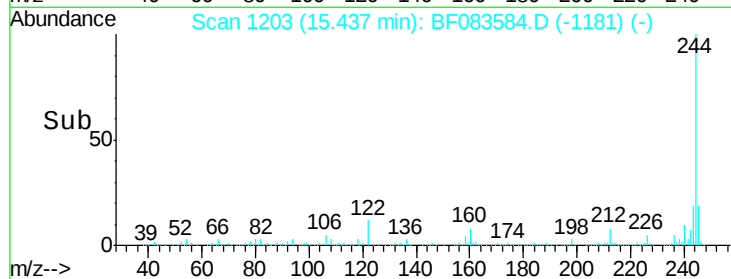
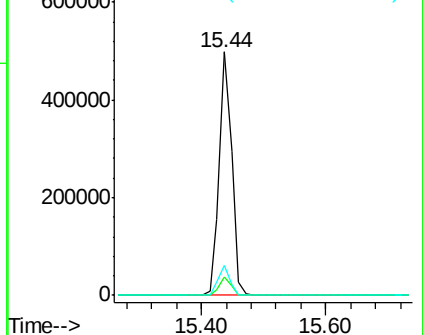
122 12.5 11.0 16.6



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: 19.23 ng

RT: 17.05 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

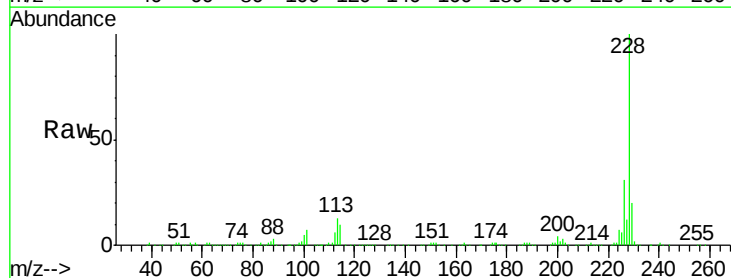
Tgt Ion:228 Resp: 527274

Ion Ratio Lower Upper

228 100

226 31.2 22.3 33.5

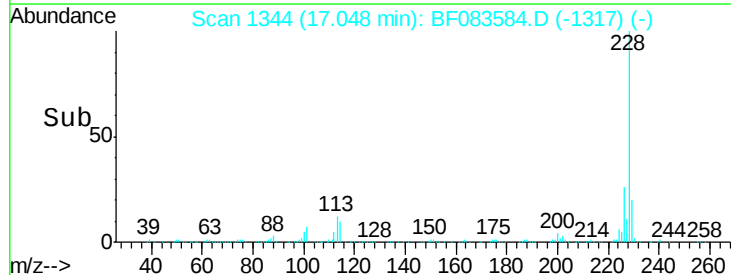
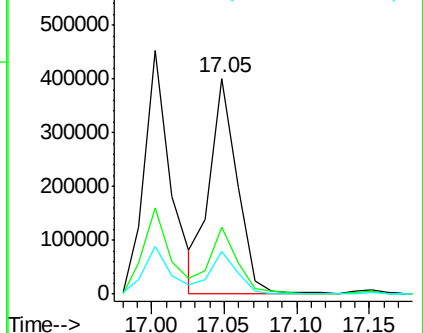
229 20.0 15.7 23.5

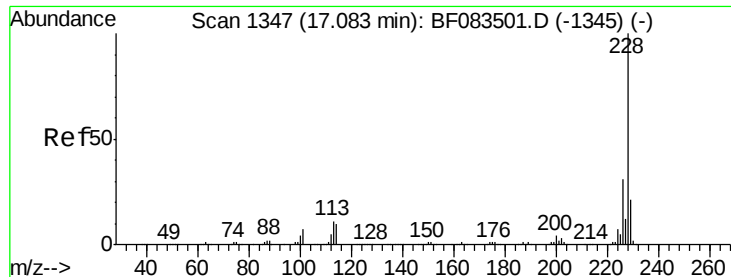


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 19.31 ng

RT: 17.05 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

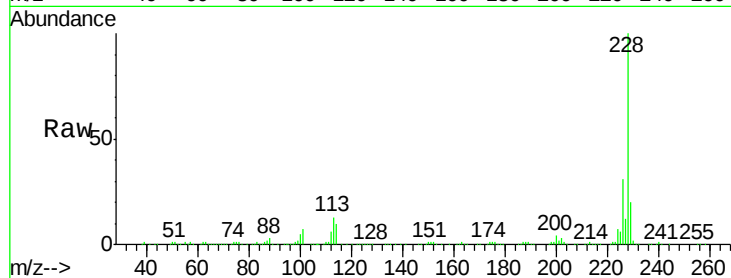
Tgt Ion:228 Resp: 527274

Ion Ratio Lower Upper

228 100

226 31.2 24.7 37.1

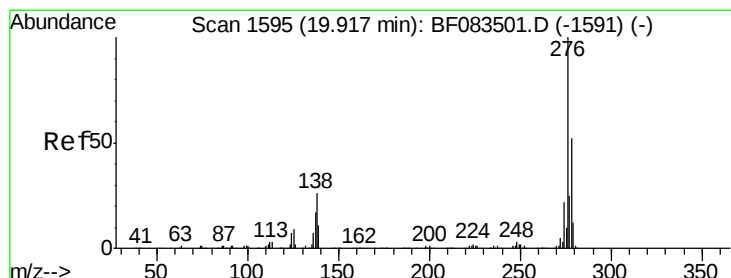
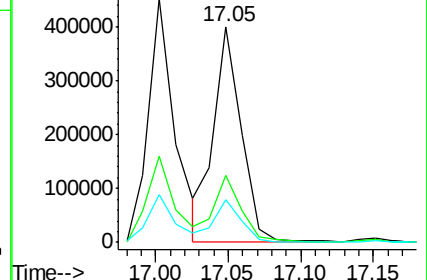
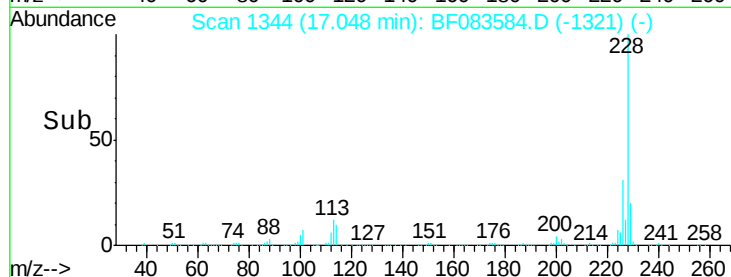
229 20.0 16.3 24.5



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: 12.94 ng

RT: 19.89 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

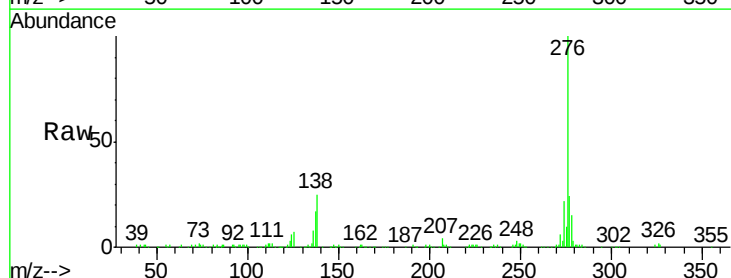
Tgt Ion:276 Resp: 302973

Ion Ratio Lower Upper

276 100

138 21.8 0.0 0.0#

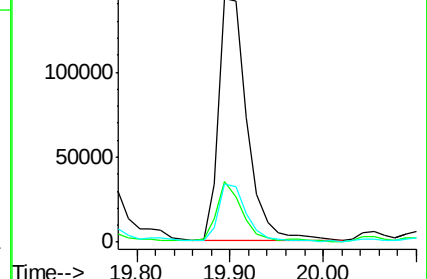
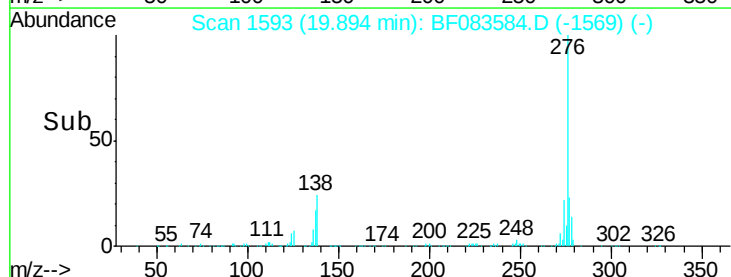
277 23.4 0.0 0.0#

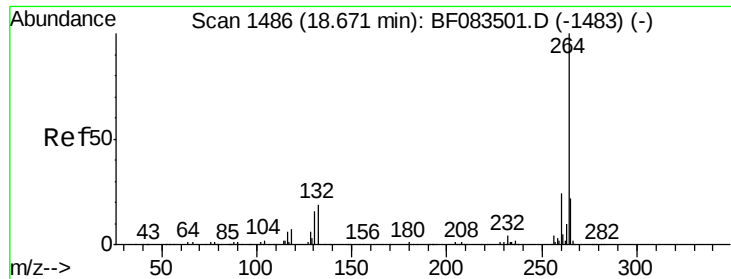


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

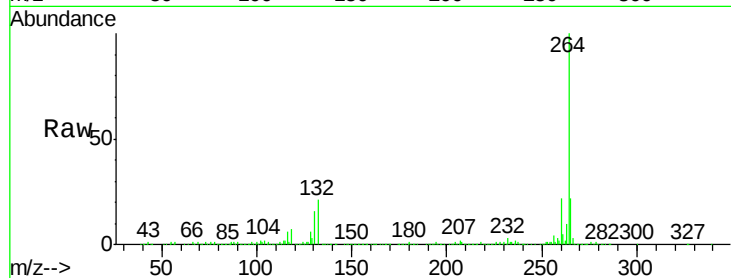




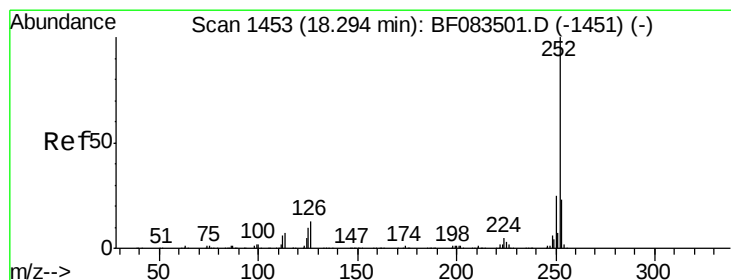
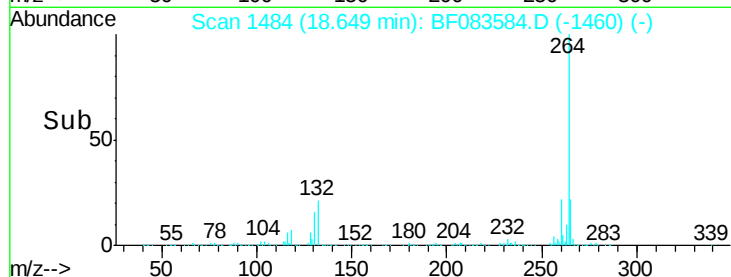
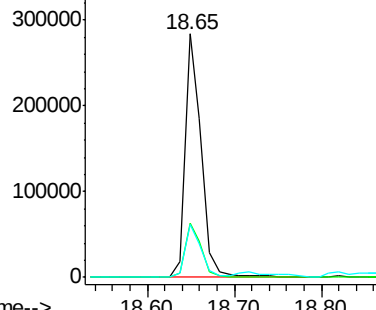
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tgt Ion: 264 Resp: 368327
Ion Ratio Lower Upper
264 100
260 22.4 19.4 29.0
265 22.0 17.8 26.6

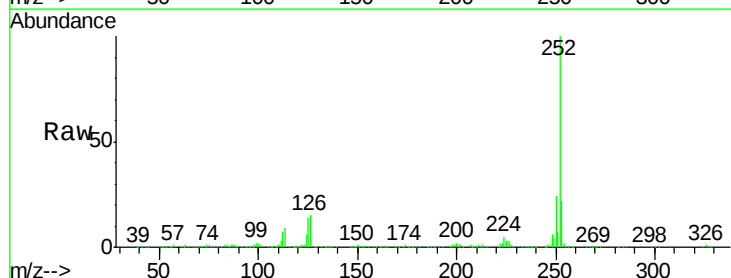


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

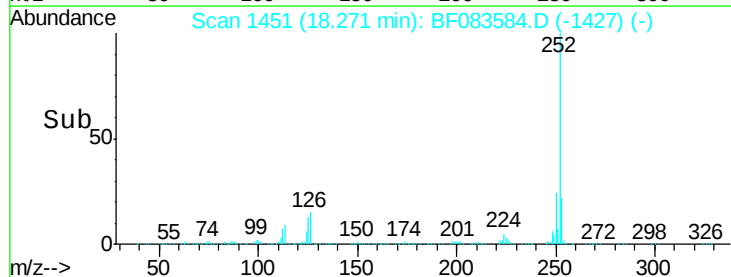
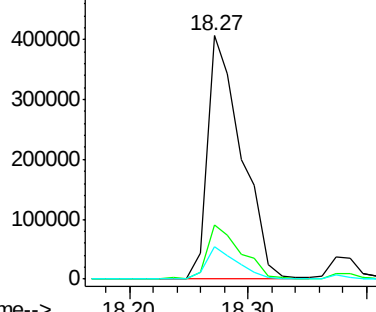


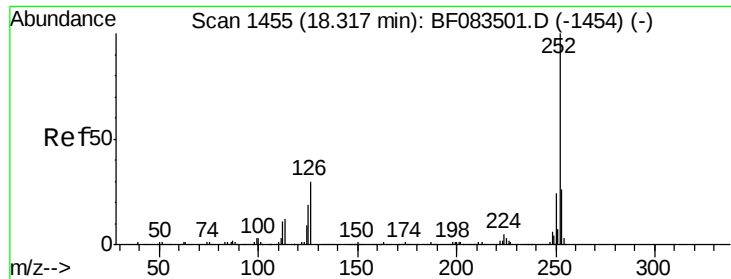
#87
Benzo(b)fluoranthene
Concen: 39.22 ng
RT: 18.27 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion: 252 Resp: 811237
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.4
125 13.6 8.2 12.4#



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: 38.28 ng

RT: 18.27 min Scan# 1451

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

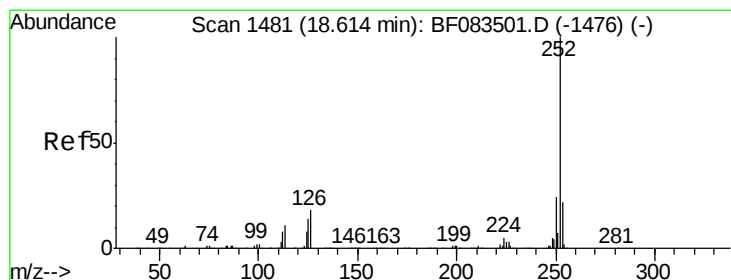
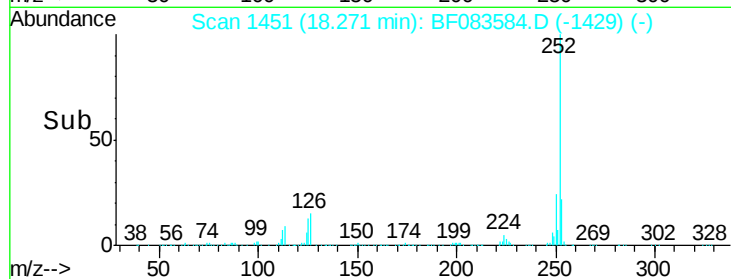
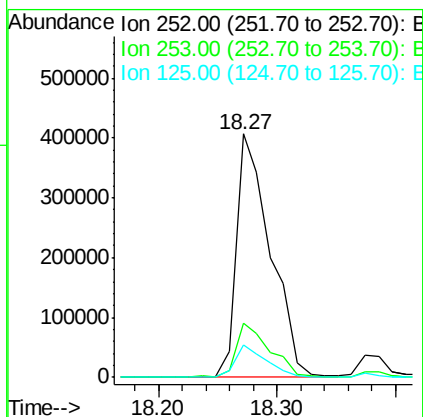
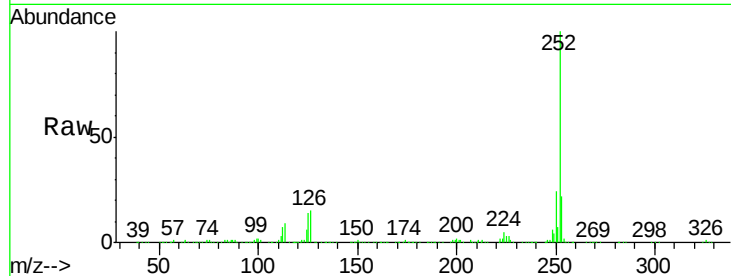
Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

Tgt Ion:	252	Resp:	811237
Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	27.8
125	13.6	11.5	17.3



#89

Benzo(a)pyrene

Concen: 18.06 ng

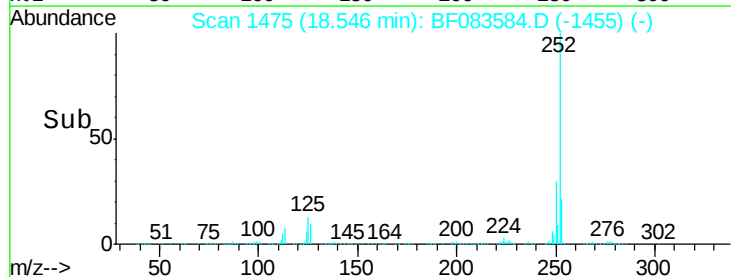
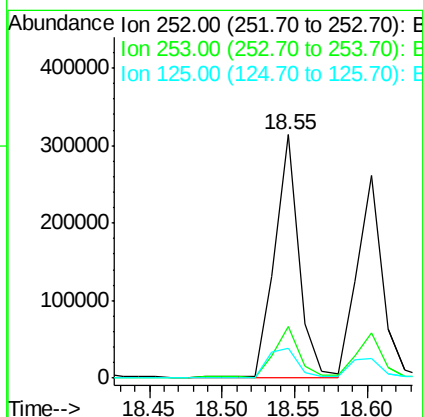
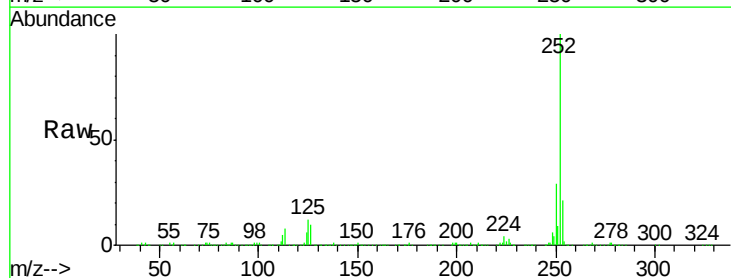
RT: 18.55 min Scan# 1475

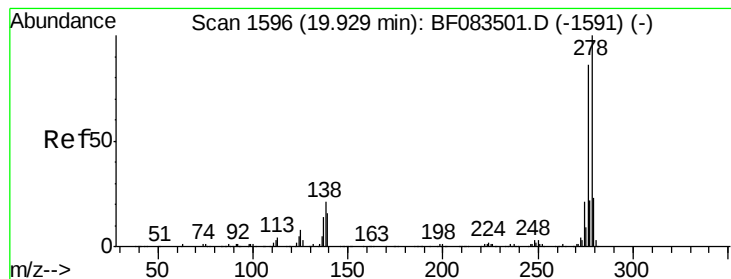
Delta R.T. -0.07 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion:	252	Resp:	363278
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	12.5	11.0	16.6





#90

Dibenzo(a,h)anthracene

Concen: 2.04 ng

RT: 20.05 min Scan# 1607

Delta R.T. 0.13 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

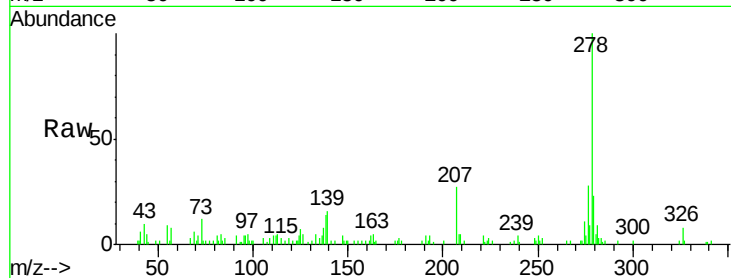
Tgt Ion:278 Resp: 39460

Ion Ratio Lower Upper

278 100

139 16.0 12.8 19.2

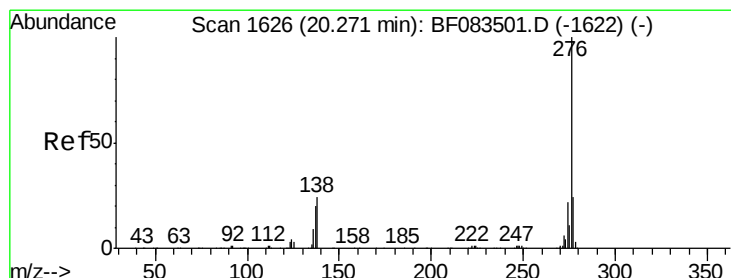
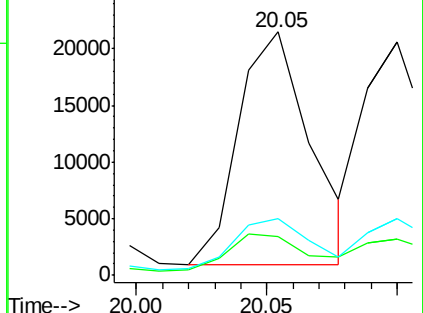
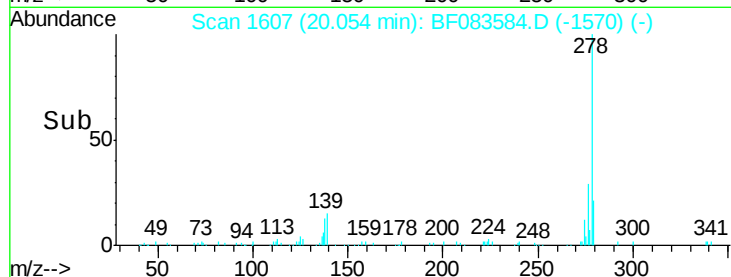
279 23.2 18.6 28.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 16.84 ng

RT: 20.26 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

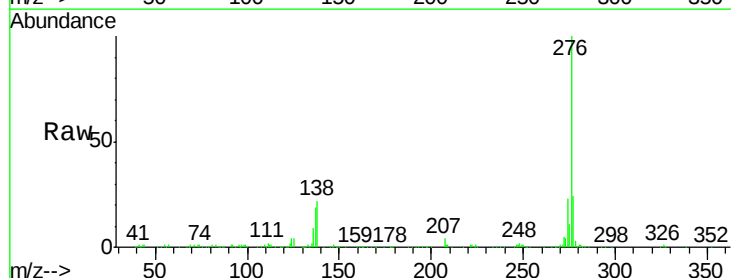
Tgt Ion:276 Resp: 328427

Ion Ratio Lower Upper

276 100

277 24.0 19.2 28.8

138 21.7 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

