

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086106.D
 Acq On : 6 Apr 2016 19:06
 Operator : UM/SJ
 Sample : H2254-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-16

Quant Time: Apr 07 01:12:07 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

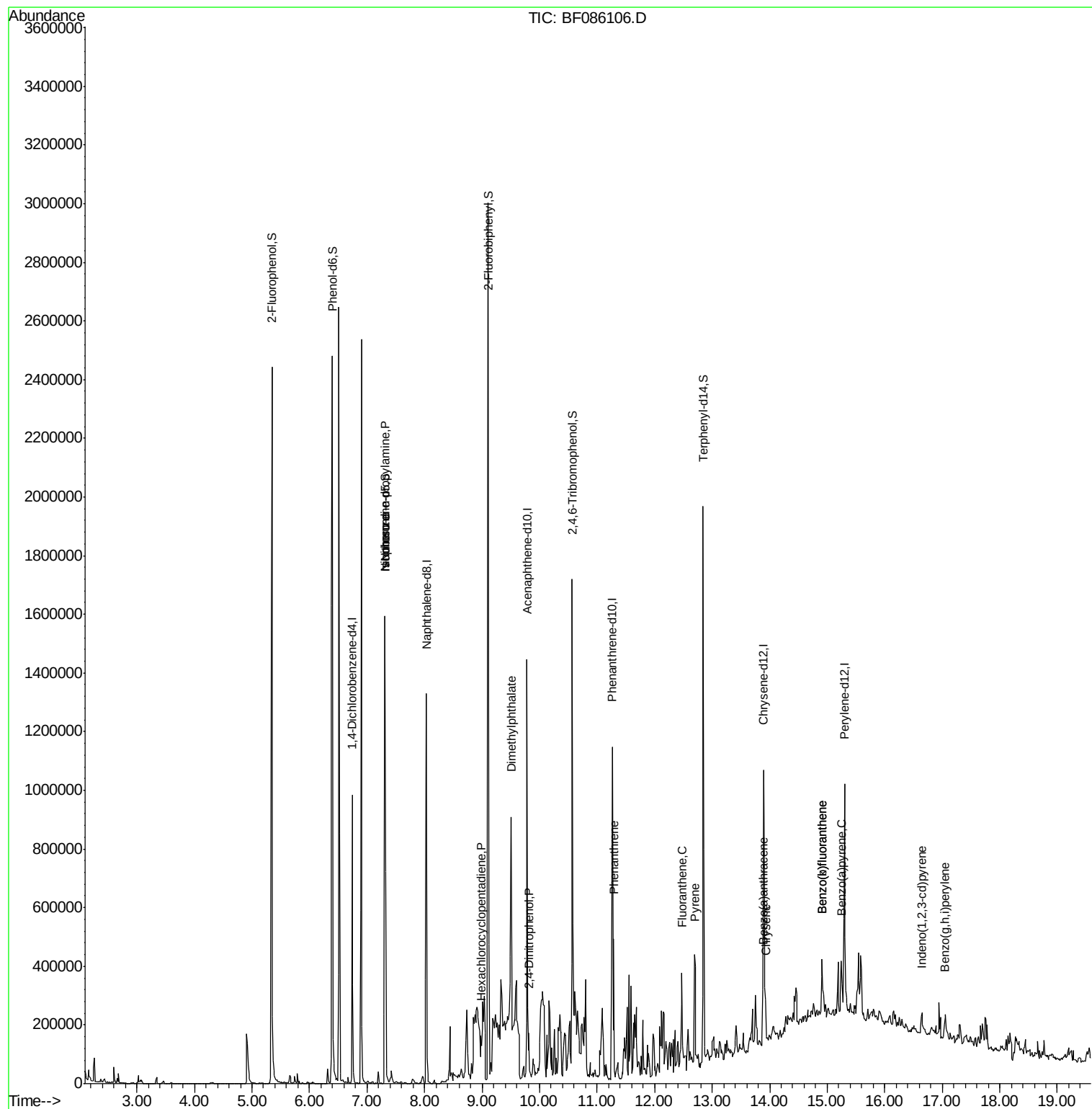
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	158238	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	616846	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	257281	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	418925	20.00	ng	-0.03
75) Chrysene-d12	13.89	240	305066	20.00	ng	-0.03
86) Perylene-d12	15.30	264	333998	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	951601	102.79	ng	-0.02
7) Phenol-d6	6.40	99	1193015	101.46	ng	-0.02
23) Nitrobenzene-d5	7.31	82	652581	62.39	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	205604	85.14	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	912790	58.99	ng	-0.03
78) Terphenyl-d14	12.84	244	625898	48.23	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	83202	11.42	ng	# 80
25) Isophorone	7.31	82	591002	28.62	ng	# 68
40) Hexachlorocyclopentadiene	8.99	237	2542	6.61	ng	75
49) Dimethylphthalate	9.50	163	226608	11.88	ng	99
53) 2,4-Dinitrophenol	9.81	184	438	2.23	ng	# 1
70) Phenanthrene	11.29	178	186829	8.17	ng	97
74) Fluoranthene	12.48	202	152680	6.42	ng	90
77) Pyrene	12.70	202	220025	10.23	ng	98
80) Benzo(a)anthracene	13.88	228	74025	4.12	ng	95
82) Chrysene	13.93	228	75428	4.35	ng	97
85) Indeno(1,2,3-cd)pyrene	16.65	276	49254	3.50	ng	96
87) Benzo(b)fluoranthene	14.91	252	135571	6.45	ng	98
88) Benzo(k)fluoranthene	14.91	252	135571	7.29	ng	# 95
89) Benzo(a)pyrene	15.24	252	76015	4.08	ng	98
91) Benzo(g,h,i)perylene	17.05	276	54529	3.76	ng	96

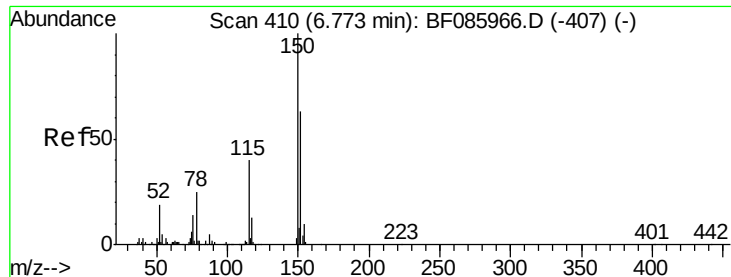
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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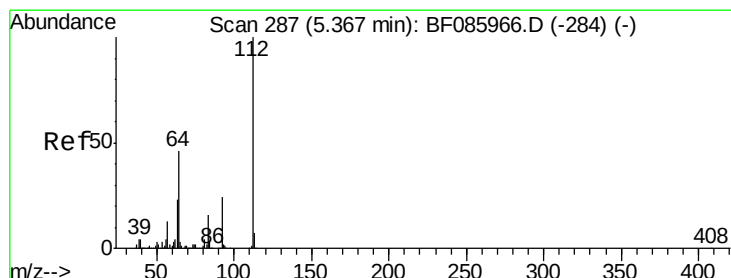
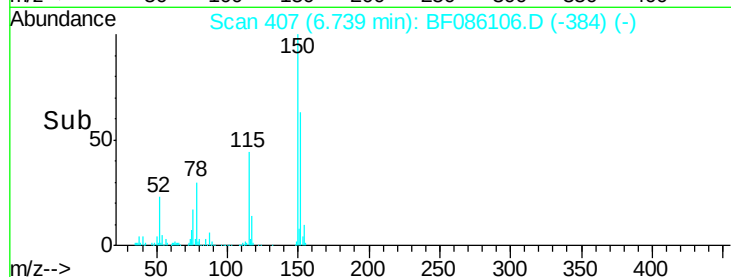
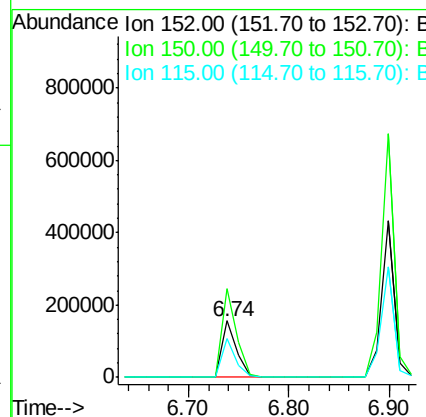
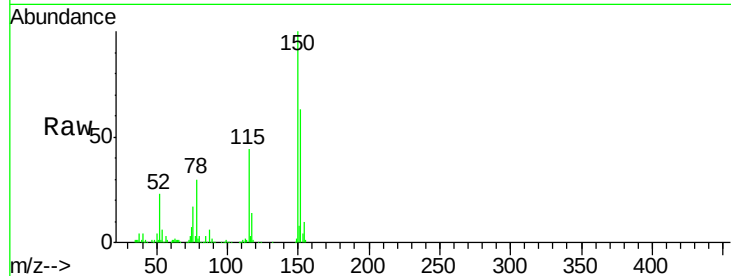


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

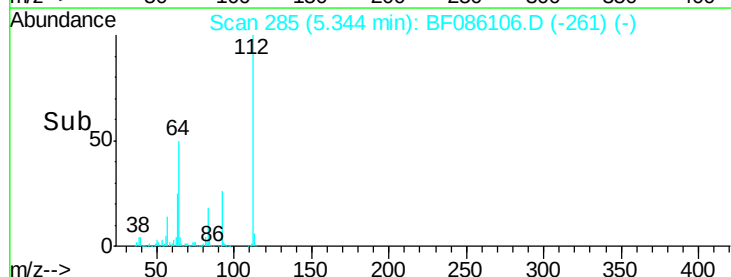
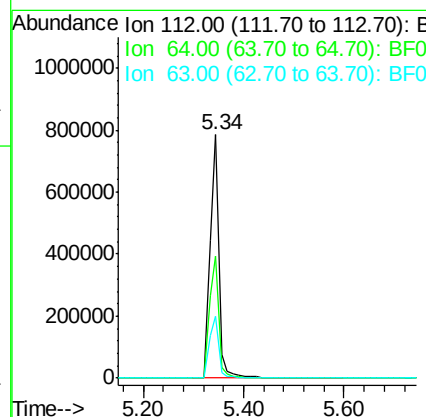
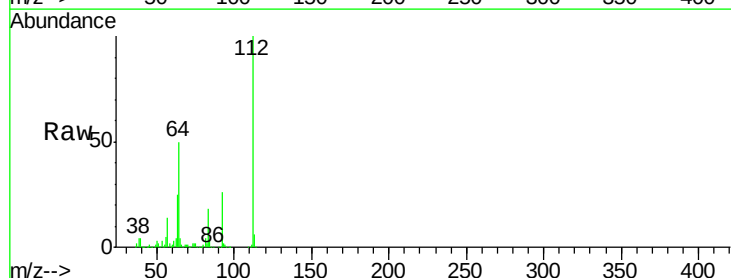
Tgt Ion:152 Resp: 158238
Ion Ratio Lower Upper
152 100
150 157.7 124.2 186.2
115 69.0 47.0 70.6

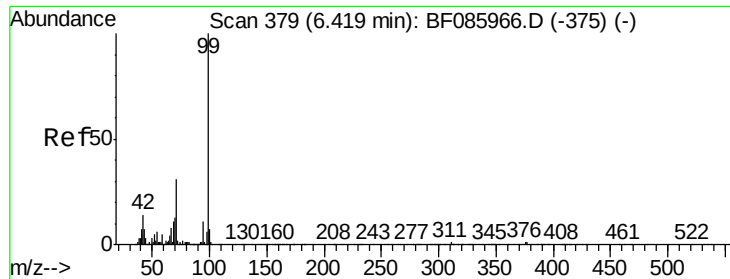


#5

2-Fluorophenol
Concen: 102.79 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion:112 Resp: 951601
Ion Ratio Lower Upper
112 100
64 49.9 39.9 59.9
63 25.2 20.2 30.2





#7

Phenol-d6

Concen: 101.46 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

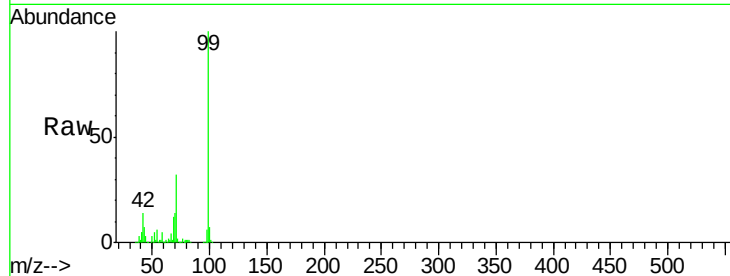
Tgt Ion: 99 Resp: 1193015

Ion Ratio Lower Upper

99 100

42 13.9 11.1 16.7

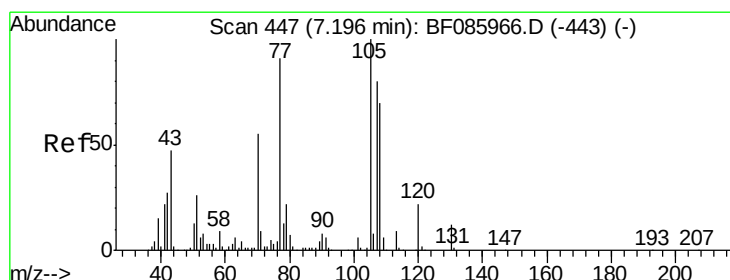
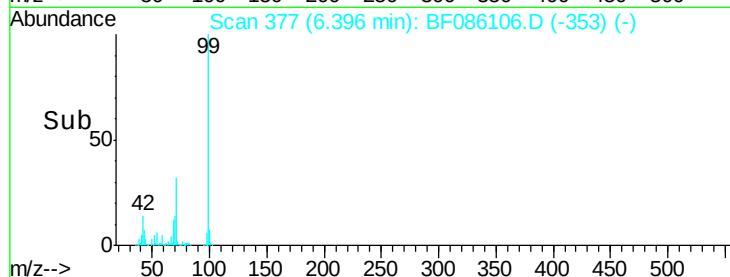
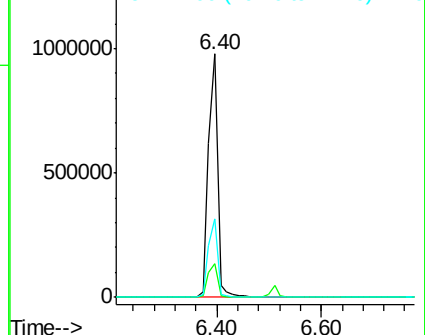
71 32.4 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.42 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Tgt Ion: 70 Resp: 83202

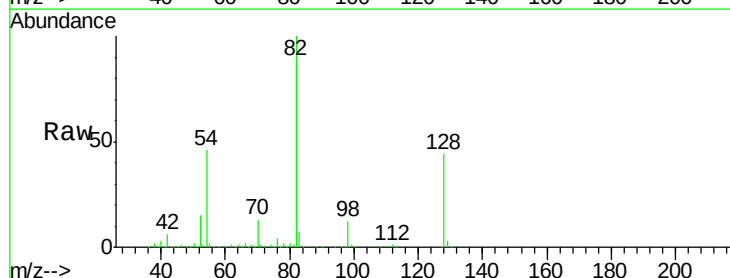
Ion Ratio Lower Upper

70 100

42 42.6 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#

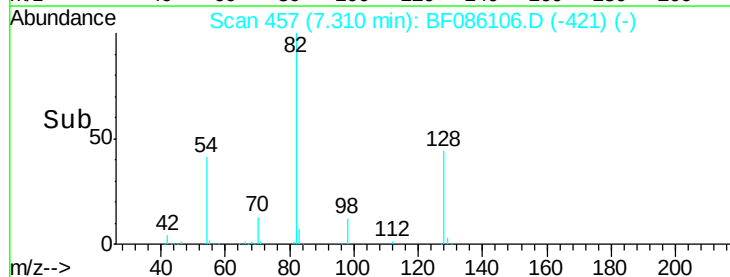
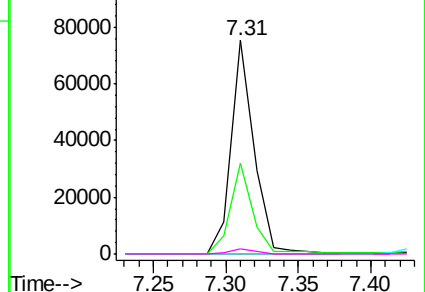


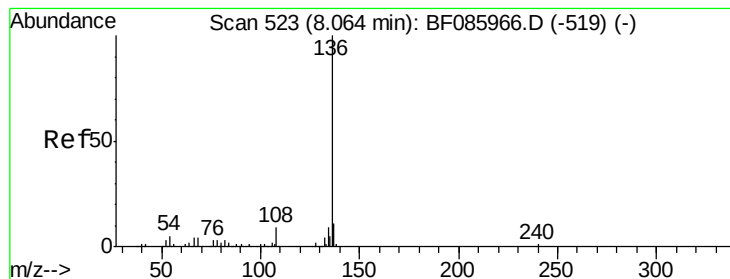
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

Tgt Ion:136 Resp: 616846

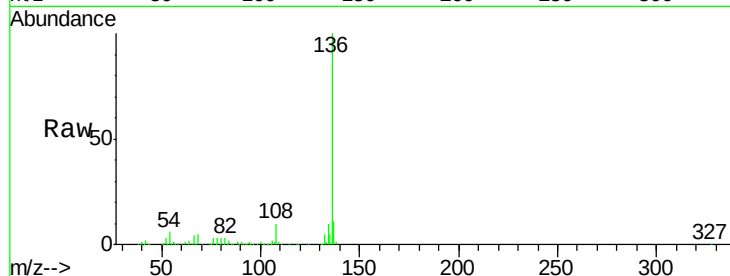
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 6.1 7.4 11.0#

68 5.1 5.8 8.8#

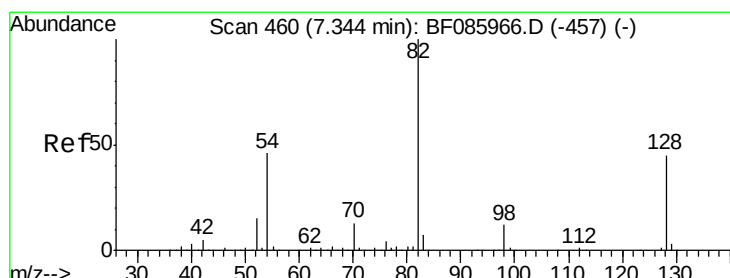
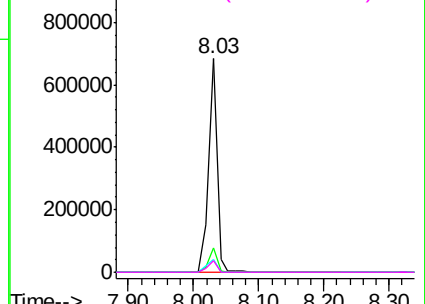
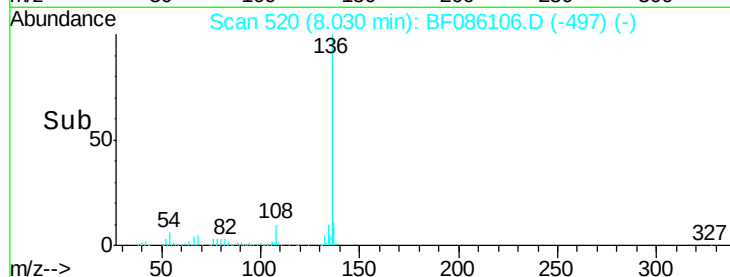


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.39 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

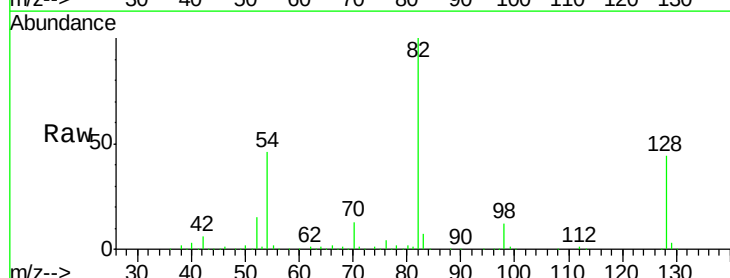
Tgt Ion: 82 Resp: 652581

Ion Ratio Lower Upper

82 100

128 43.9 41.8 62.8

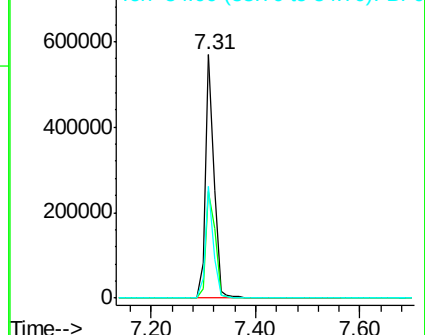
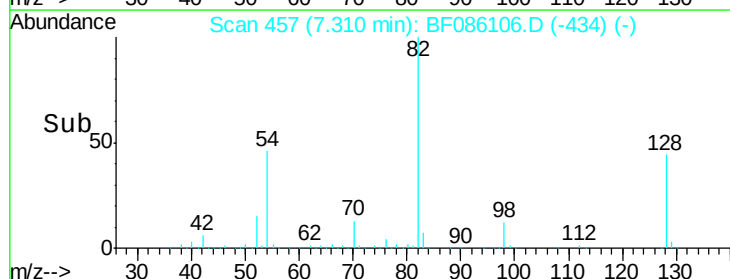
54 46.1 33.4 50.0

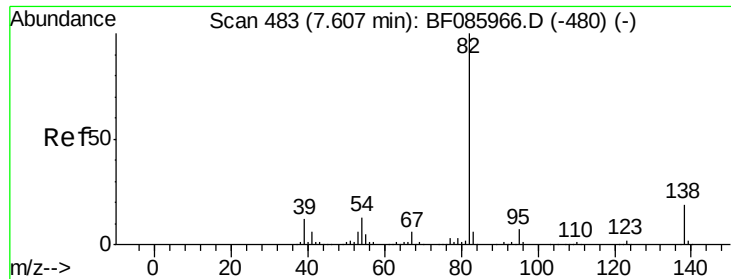


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.62 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

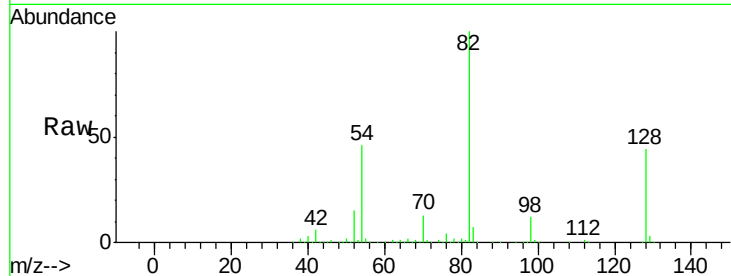
Tgt Ion: 82 Resp: 591002

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

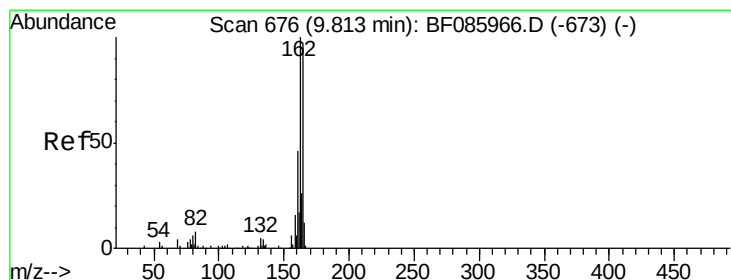
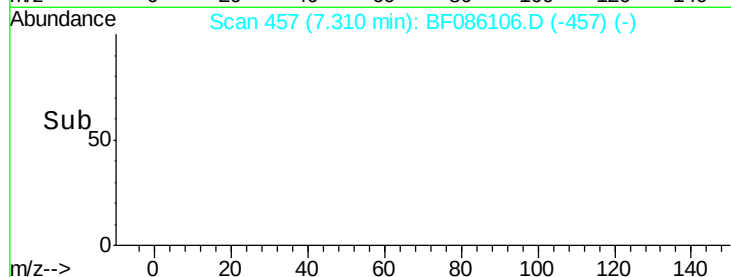
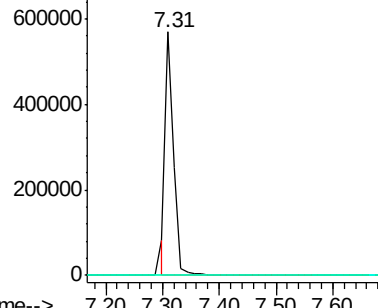
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

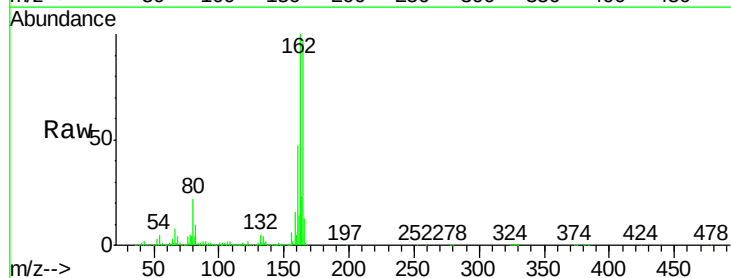
Tgt Ion: 164 Resp: 257281

Ion Ratio Lower Upper

164 100

162 102.7 82.1 123.1

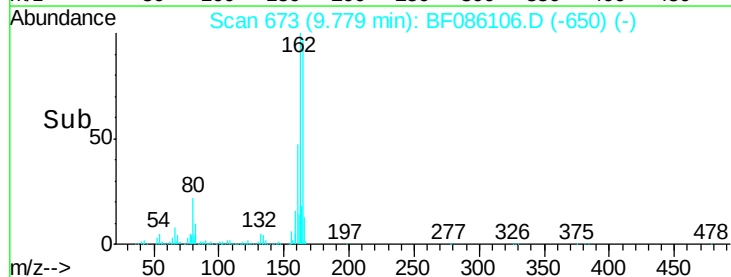
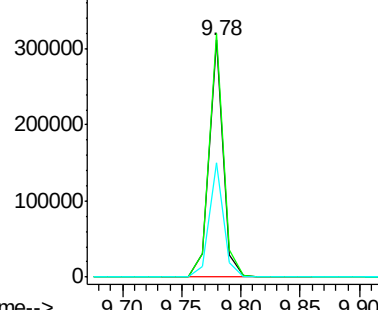
160 48.2 37.4 56.2

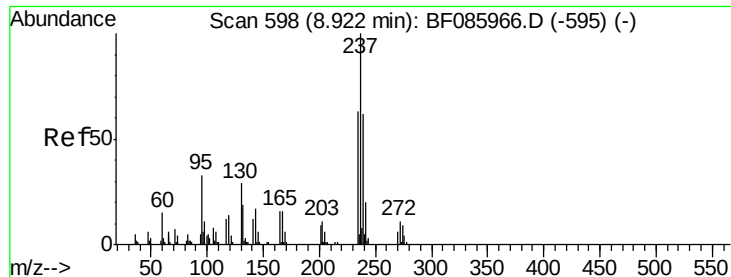


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

Hexachlorocyclopentadiene

Concen: 6.61 ng

RT: 8.99 min Scan# 604

Delta R.T. 0.07 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampled :

SP-16

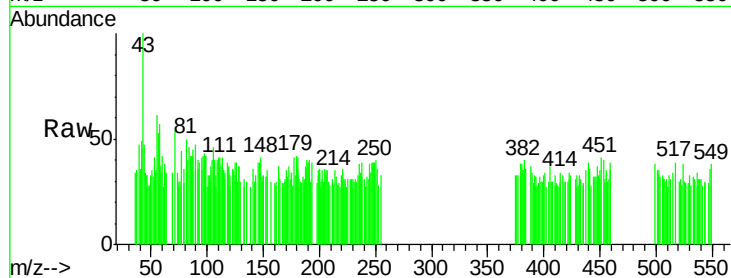
Tgt Ion:237 Resp: 2542

Ion Ratio Lower Upper

237 100

235 44.7 43.7 83.7

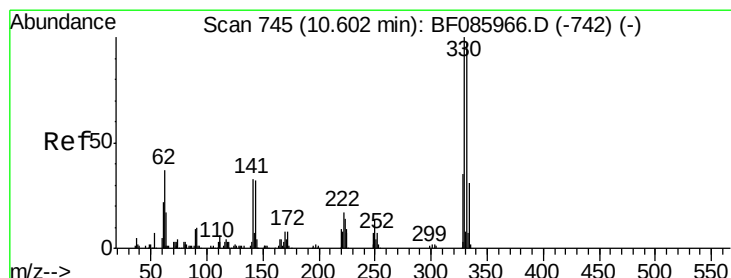
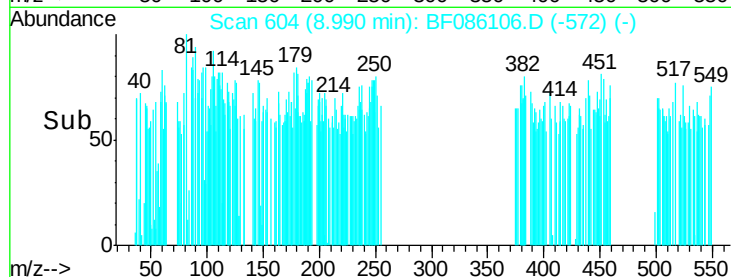
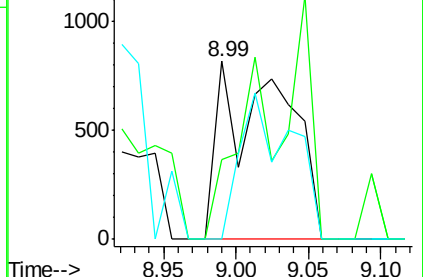
272 0.0 0.0 31.9



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 85.14 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

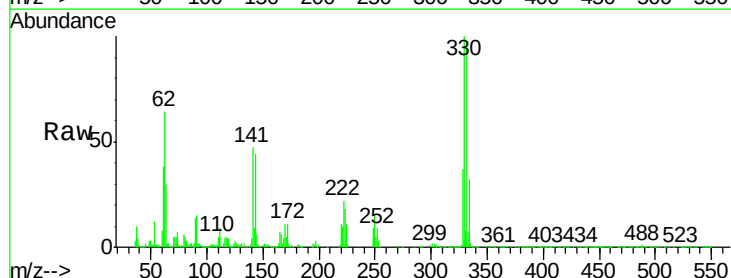
Tgt Ion:330 Resp: 205604

Ion Ratio Lower Upper

330 100

332 96.8 78.2 117.2

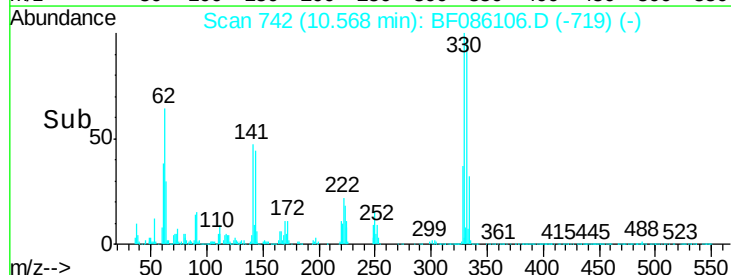
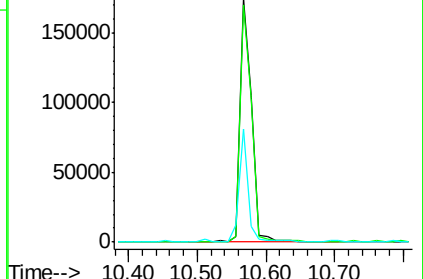
141 35.7 31.5 47.3

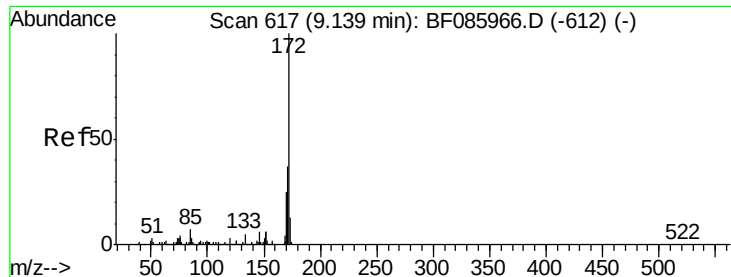


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 58.99 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

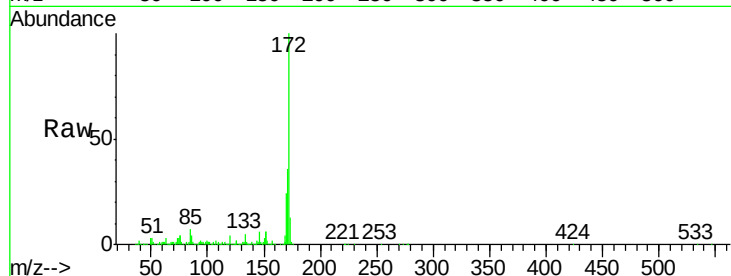
Tgt Ion:172 Resp: 912790

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.2

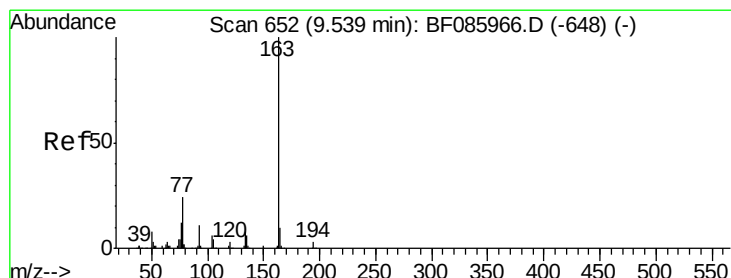
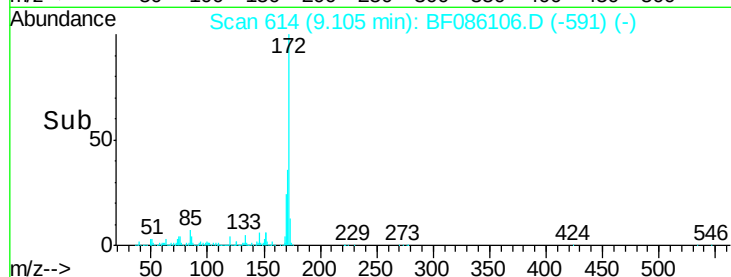
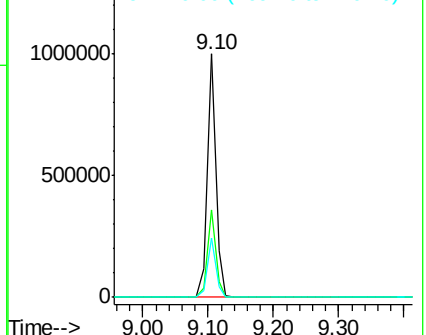
170 24.2 19.8 29.6



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



#49

Dimethylphthalate

Concen: 11.88 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

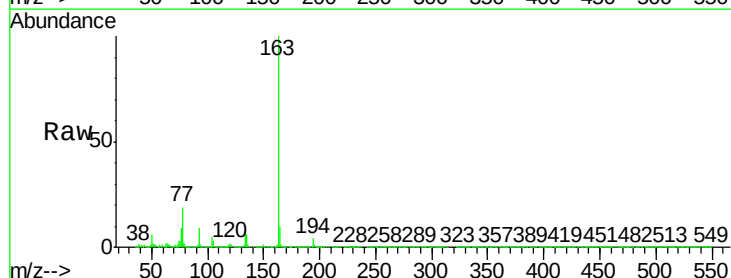
Tgt Ion:163 Resp: 226608

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

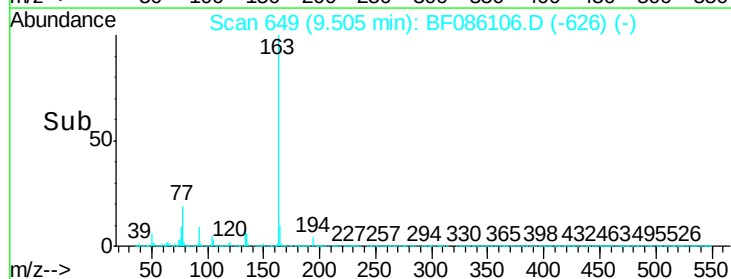
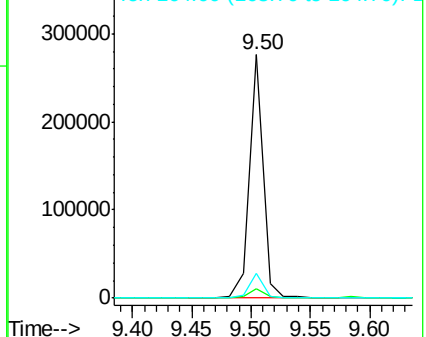
164 10.1 8.3 12.5

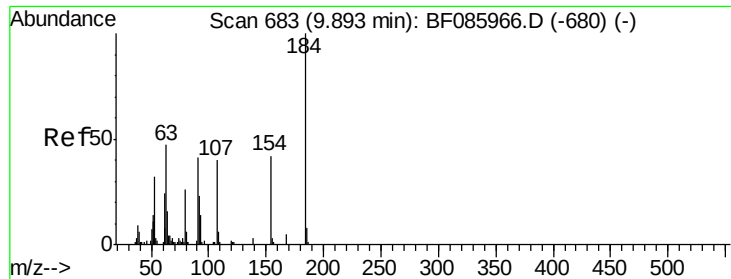


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

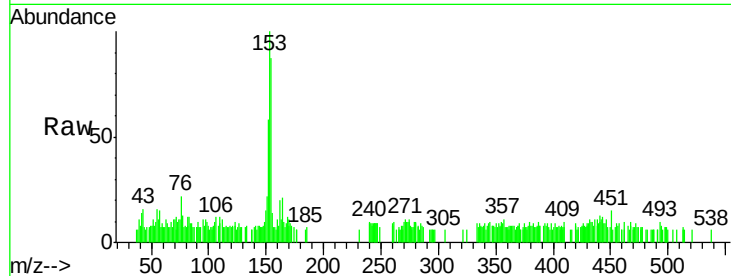




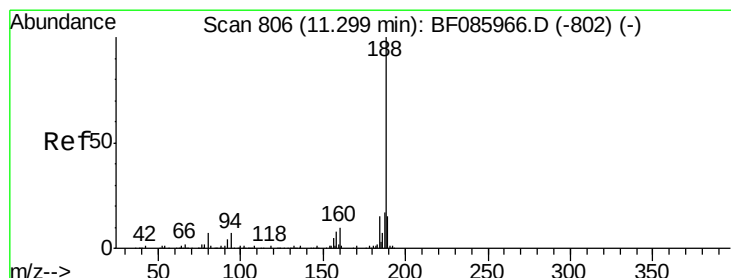
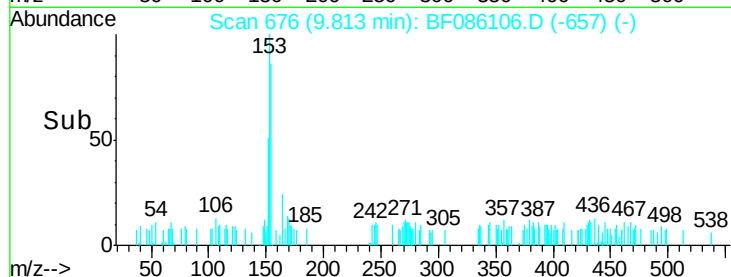
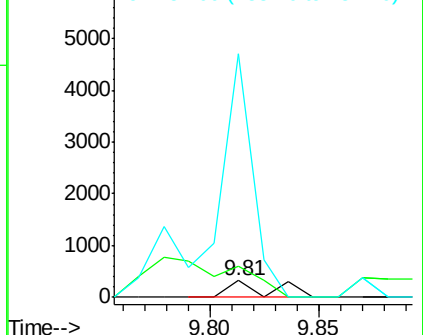
#53
 2,4-Dinitrophenol
 Concen: 2.23 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.08 min
 Lab File: BF086106.D
 Acq: 6 Apr 2016 19:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-16

Tgt Ion:184 Resp: 438
 Ion Ratio Lower Upper
 184 100
 63 186.4 69.5 104.3#
 154 1455.7 58.3 87.5#

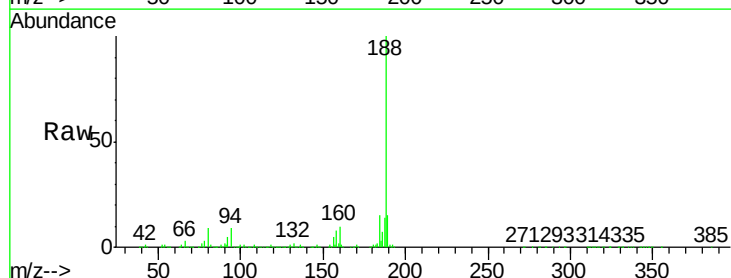


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

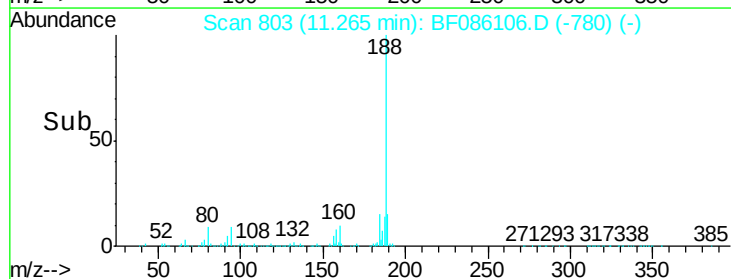
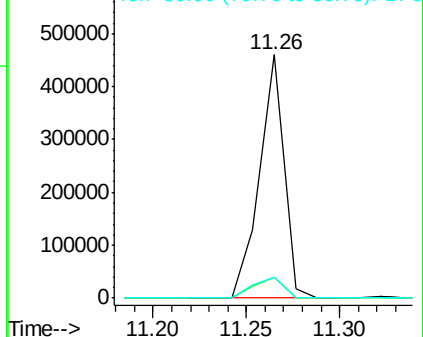


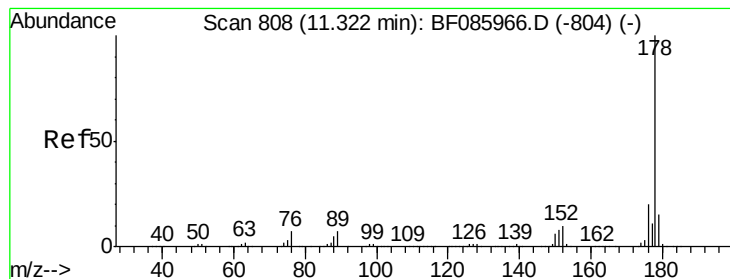
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF086106.D
 Acq: 6 Apr 2016 19:06

Tgt Ion:188 Resp: 418925
 Ion Ratio Lower Upper
 188 100
 94 8.6 5.4 8.0#
 80 8.6 5.5 8.3#



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: 8.17 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

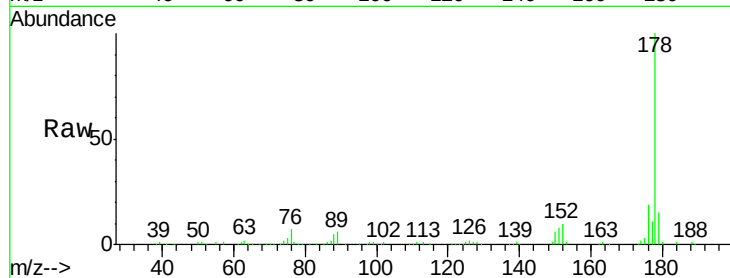
Tgt Ion:178 Resp: 186829

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

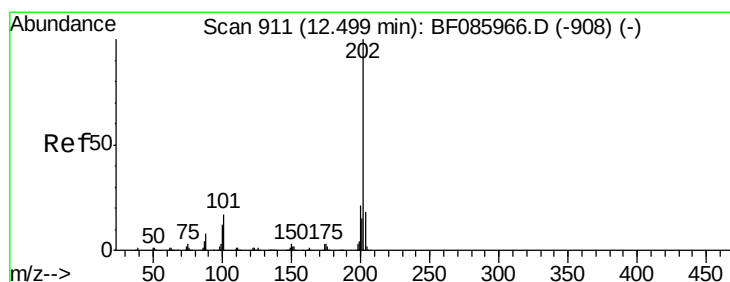
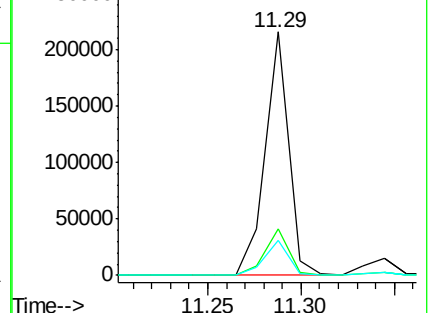
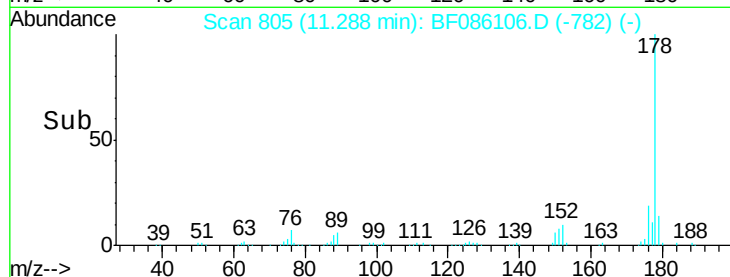
179 14.5 12.6 18.8



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: 6.42 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

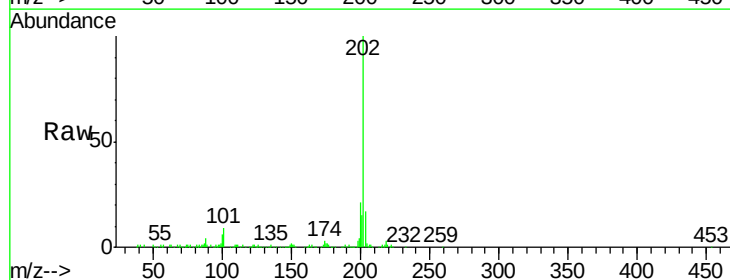
Tgt Ion:202 Resp: 152680

Ion Ratio Lower Upper

202 100

101 8.6 0.0 36.6

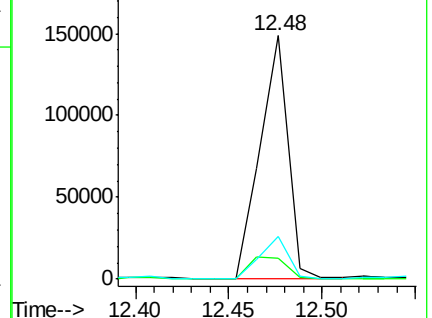
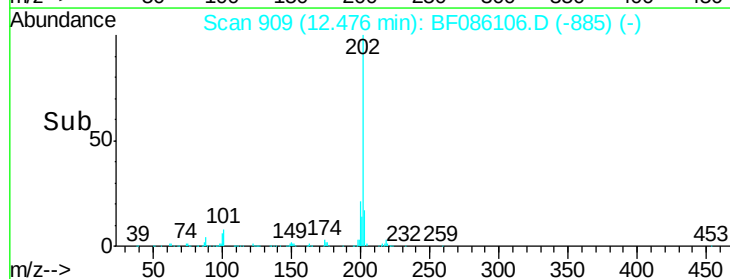
203 17.4 0.0 38.1

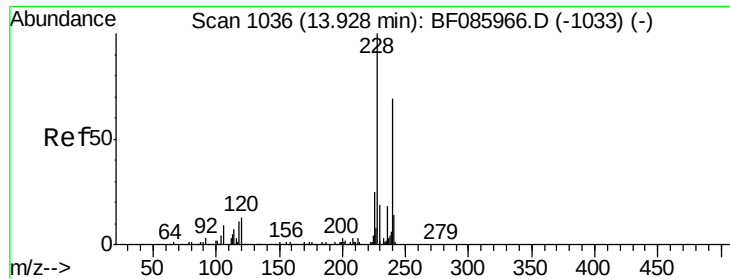


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

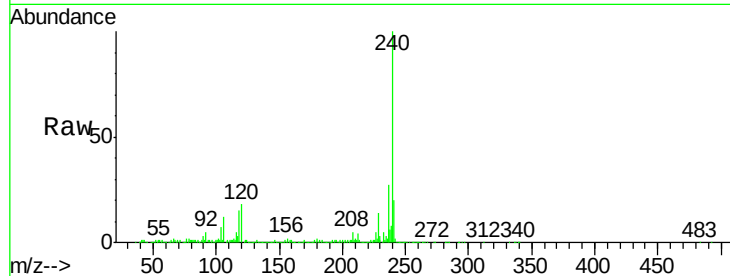
Tgt Ion:240 Resp: 305066

Ion Ratio Lower Upper

240 100

120 17.5 13.8 20.8

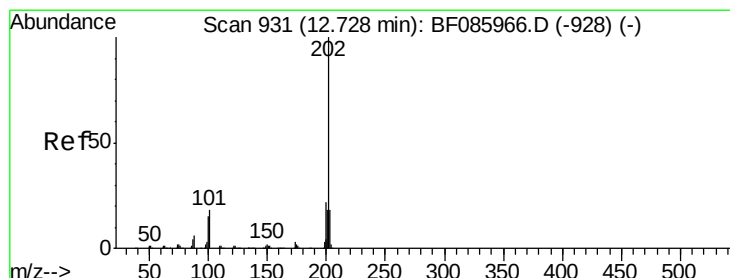
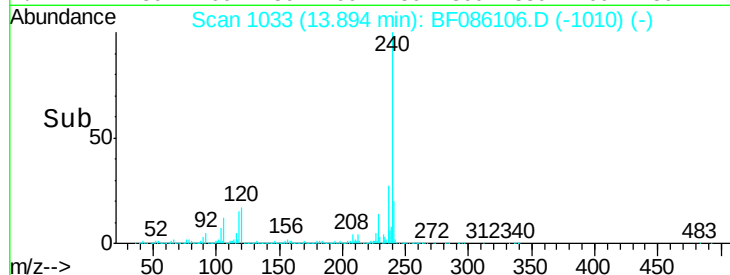
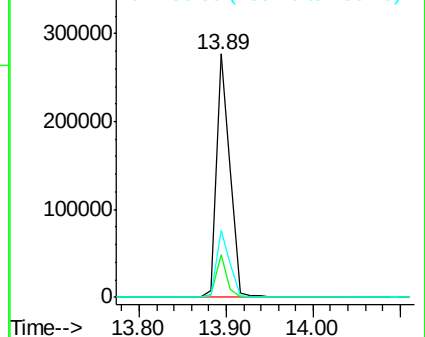
236 27.3 20.6 30.8



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: 10.23 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

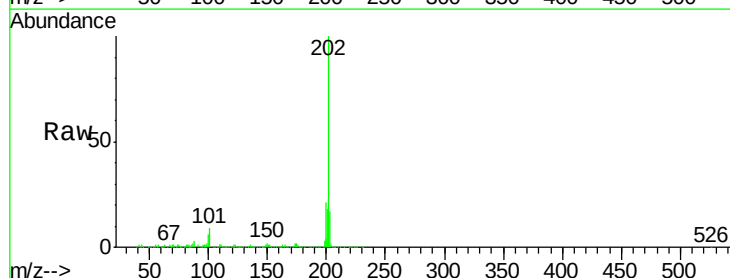
Tgt Ion:202 Resp: 220025

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

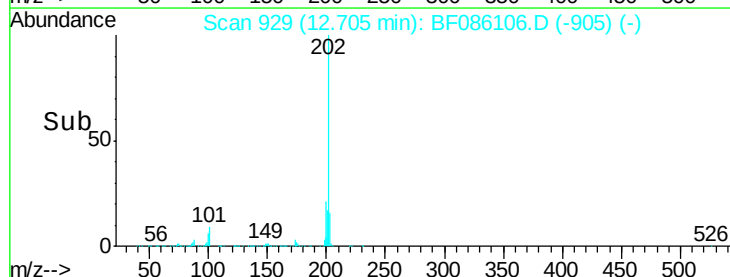
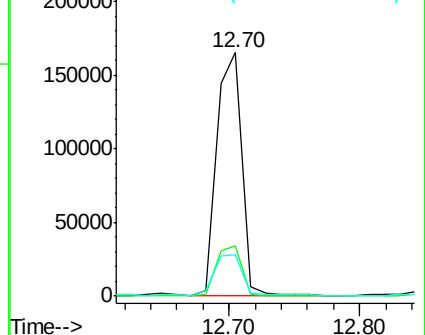
203 16.8 14.0 21.0

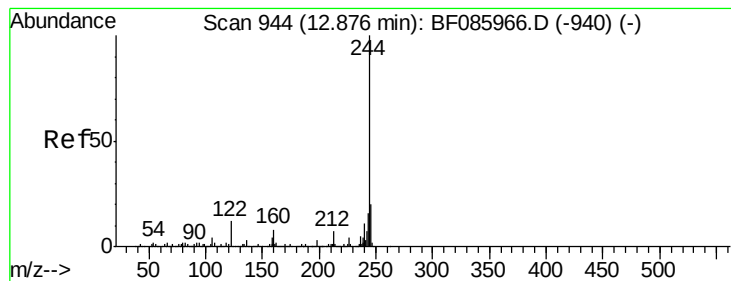


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 48.23 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

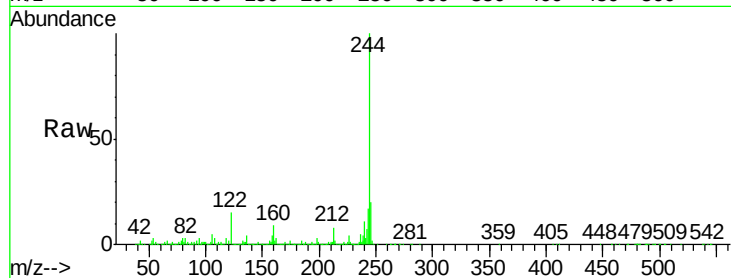
Tgt Ion:244 Resp: 625898

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

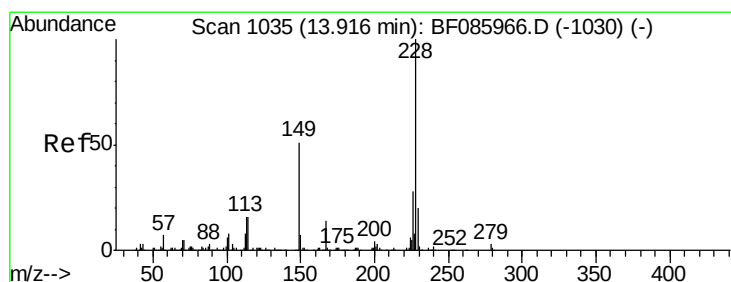
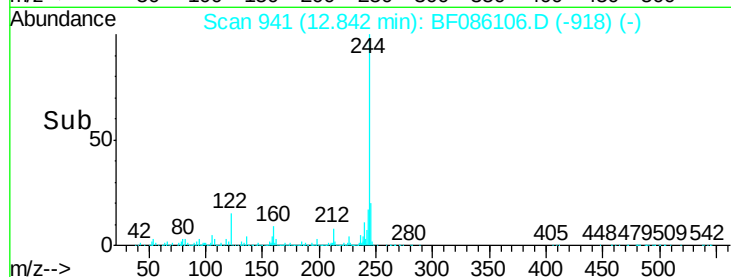
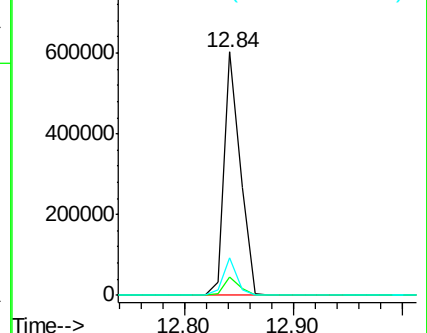
122 15.4 10.2 15.4#



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: 4.12 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

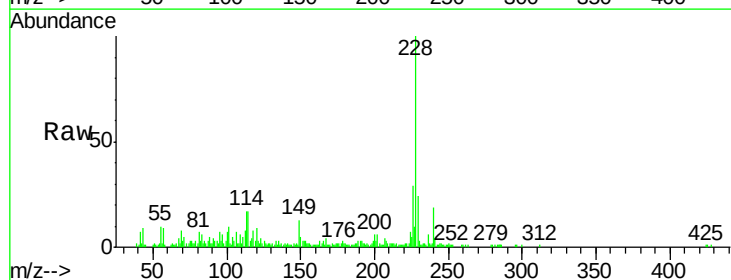
Tgt Ion:228 Resp: 74025

Ion Ratio Lower Upper

228 100

226 29.2 22.1 33.1

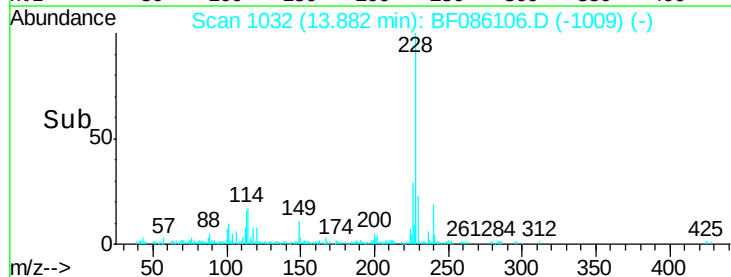
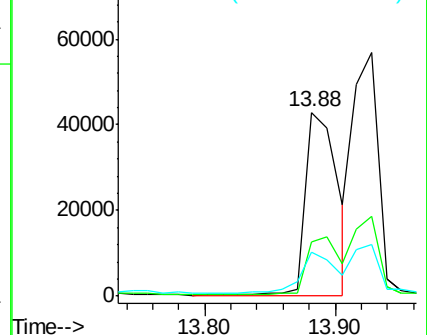
229 23.7 16.2 24.4

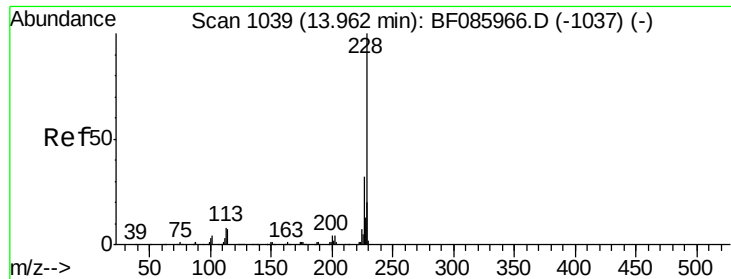


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.35 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.03 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

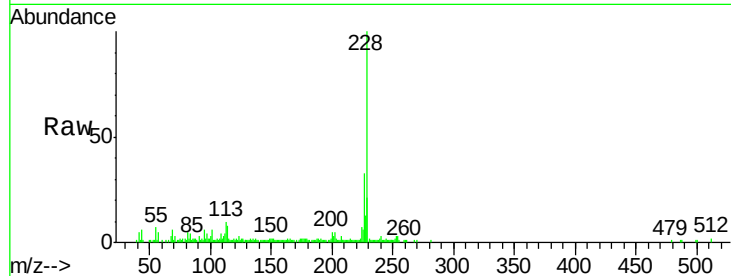
Tgt Ion:228 Resp: 75428

Ion Ratio Lower Upper

228 100

226 32.6 25.0 37.6

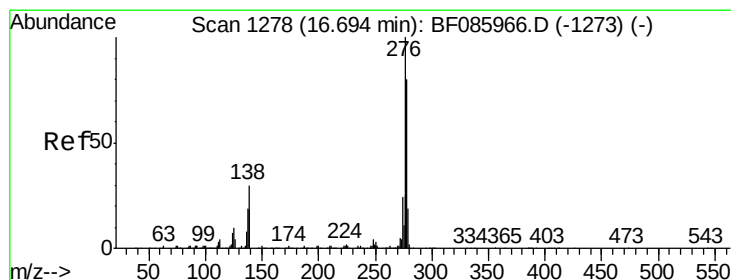
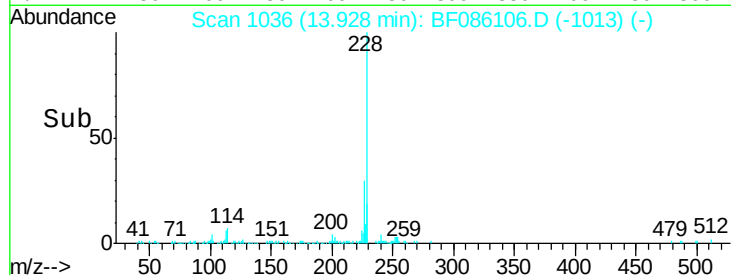
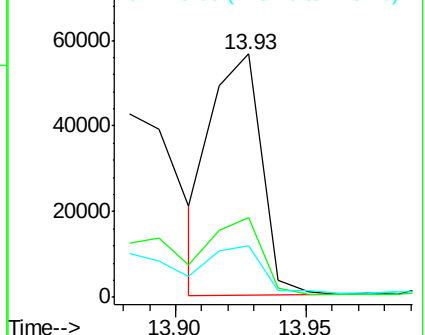
229 21.0 15.7 23.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.50 ng

RT: 16.65 min Scan# 1274

Delta R.T. -0.05 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

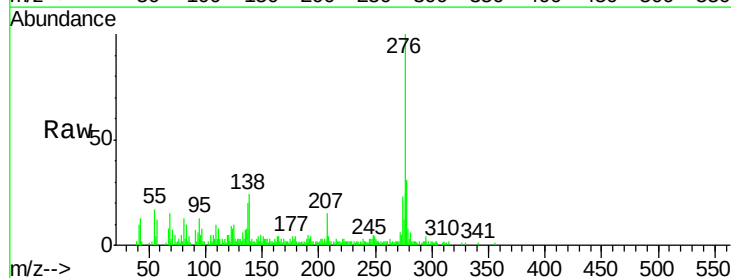
Tgt Ion:276 Resp: 49254

Ion Ratio Lower Upper

276 100

138 28.1 24.2 36.4

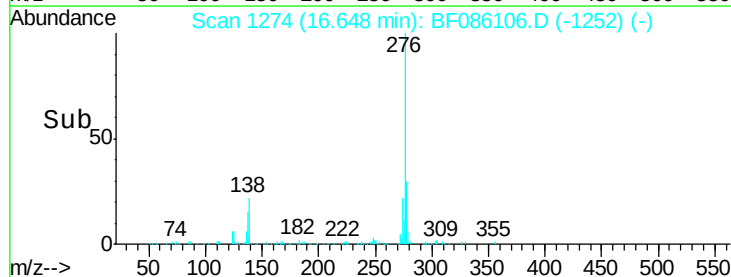
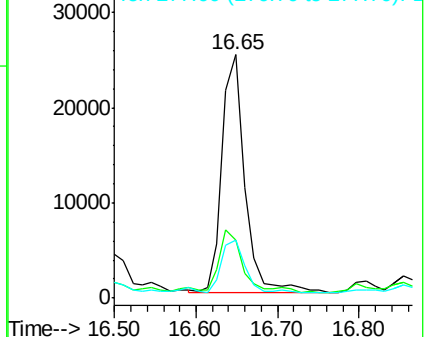
277 23.0 20.0 30.0

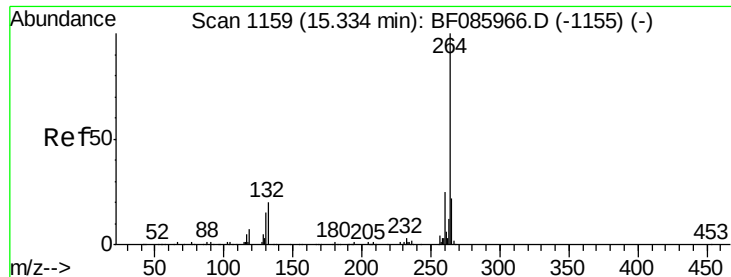


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



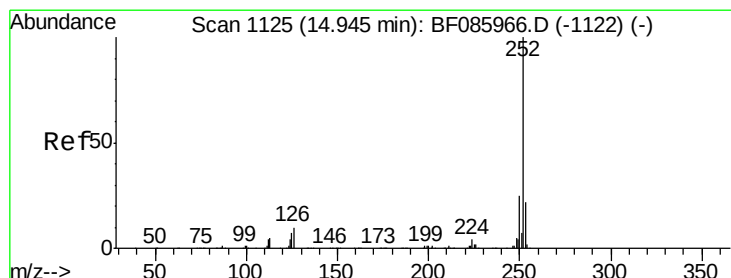
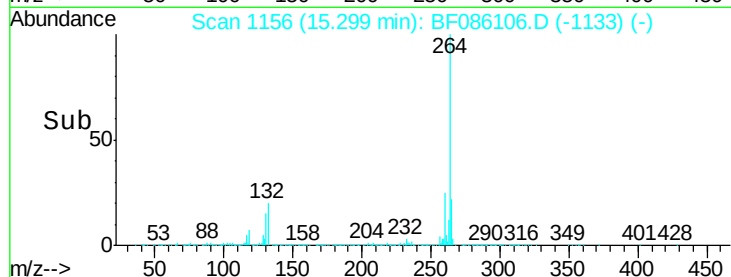
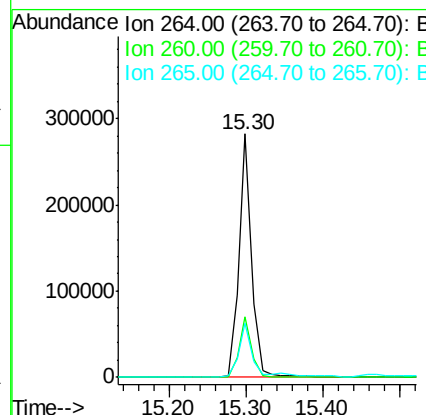
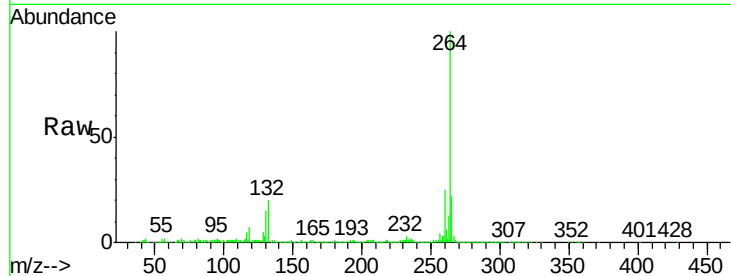


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion: 264 Resp: 333998

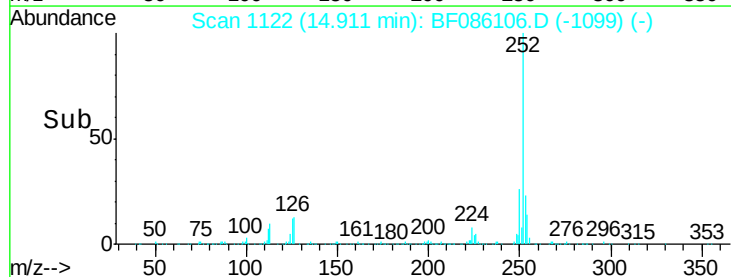
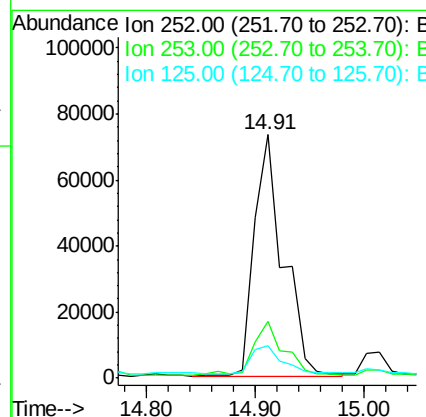
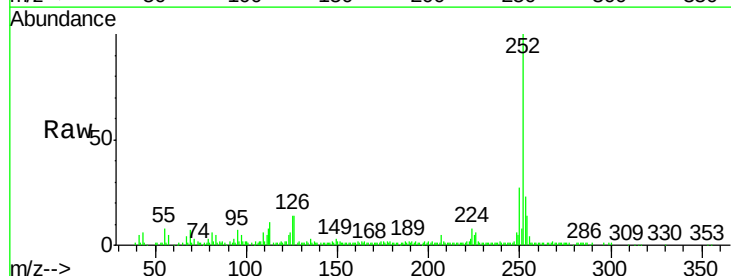
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.0	17.2	25.8

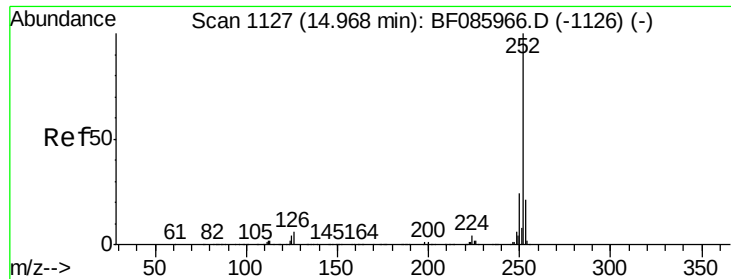


#87
Benzo(b)fluoranthene
Concen: 6.45 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion: 252 Resp: 135571

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	13.6	10.3	15.5

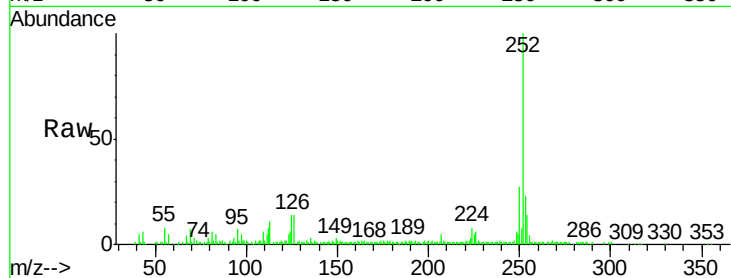




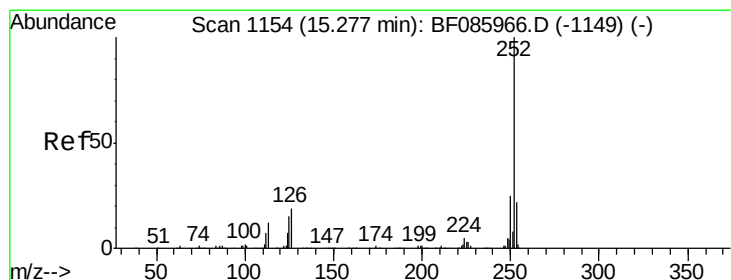
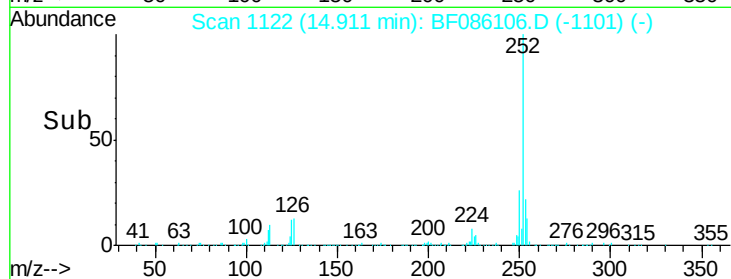
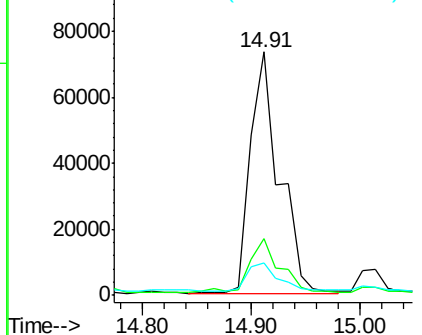
#88
Benzo(k)fluoranthene
Concen: 7.29 ng
RT: 14.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Instrument :
BNA_F
ClientSampleId :
SP-16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.6	7.7	11.5

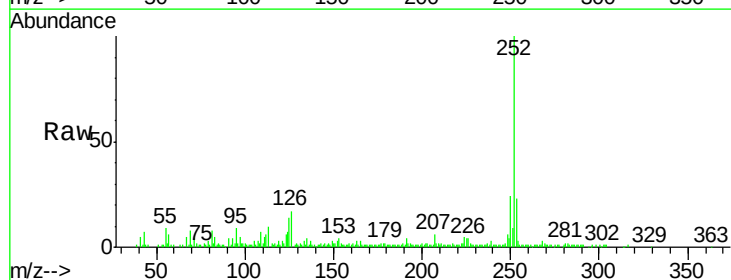


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

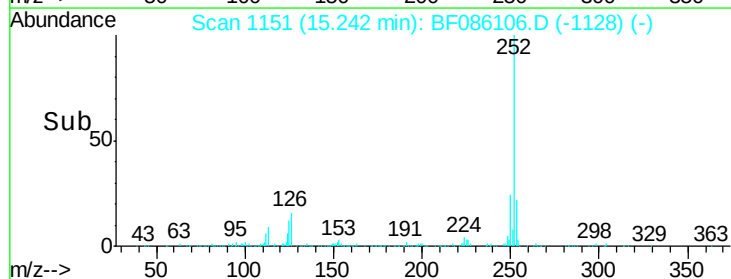
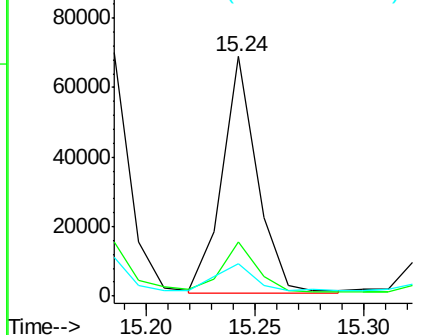


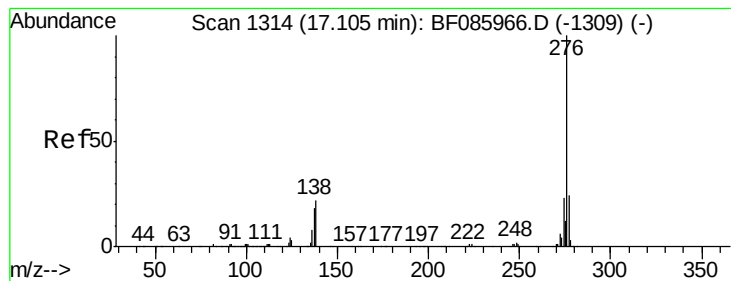
#89
Benzo(a)pyrene
Concen: 4.08 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF086106.D
Acq: 6 Apr 2016 19:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	13.5	10.3	15.5



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: 3.76 ng

RT: 17.05 min Scan# 1309

Delta R.T. -0.06 min

Lab File: BF086106.D

Acq: 6 Apr 2016 19:06

Instrument :

BNA_F

ClientSampleId :

SP-16

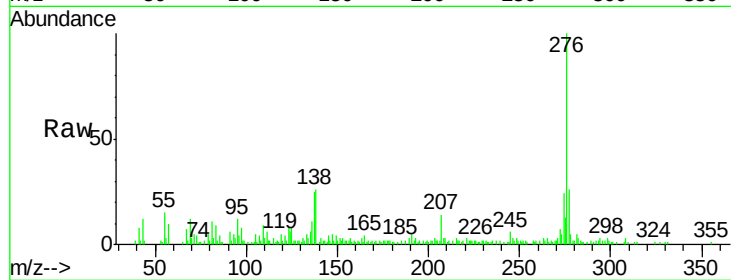
Tgt Ion: 276 Resp: 54529

Ion Ratio Lower Upper

276 100

277 25.9 18.8 28.2

138 26.2 22.6 34.0



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

