

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086271.D
 Acq On : 16 Apr 2016 17:41
 Operator : UM/SJ
 Sample : H2413-03 2X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-3(0-2)

Quant Time: Apr 18 04:13:13 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 15 15:56:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	292534	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1184178	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	470973	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	683184	20.00	ng	0.00
75) Chrysene-d12	14.05	240	502448	20.00	ng	0.00
86) Perylene-d12	15.49	264	430577	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1265588	70.88	ng	0.00
7) Phenol-d6	6.52	99	1735957	77.73	ng	0.00
23) Nitrobenzene-d5	7.46	82	1070765	52.15	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	227484	60.15	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1301081	50.98	ng	-0.01
78) Terphenyl-d14	13.00	244	798734	39.97	ng	0.00

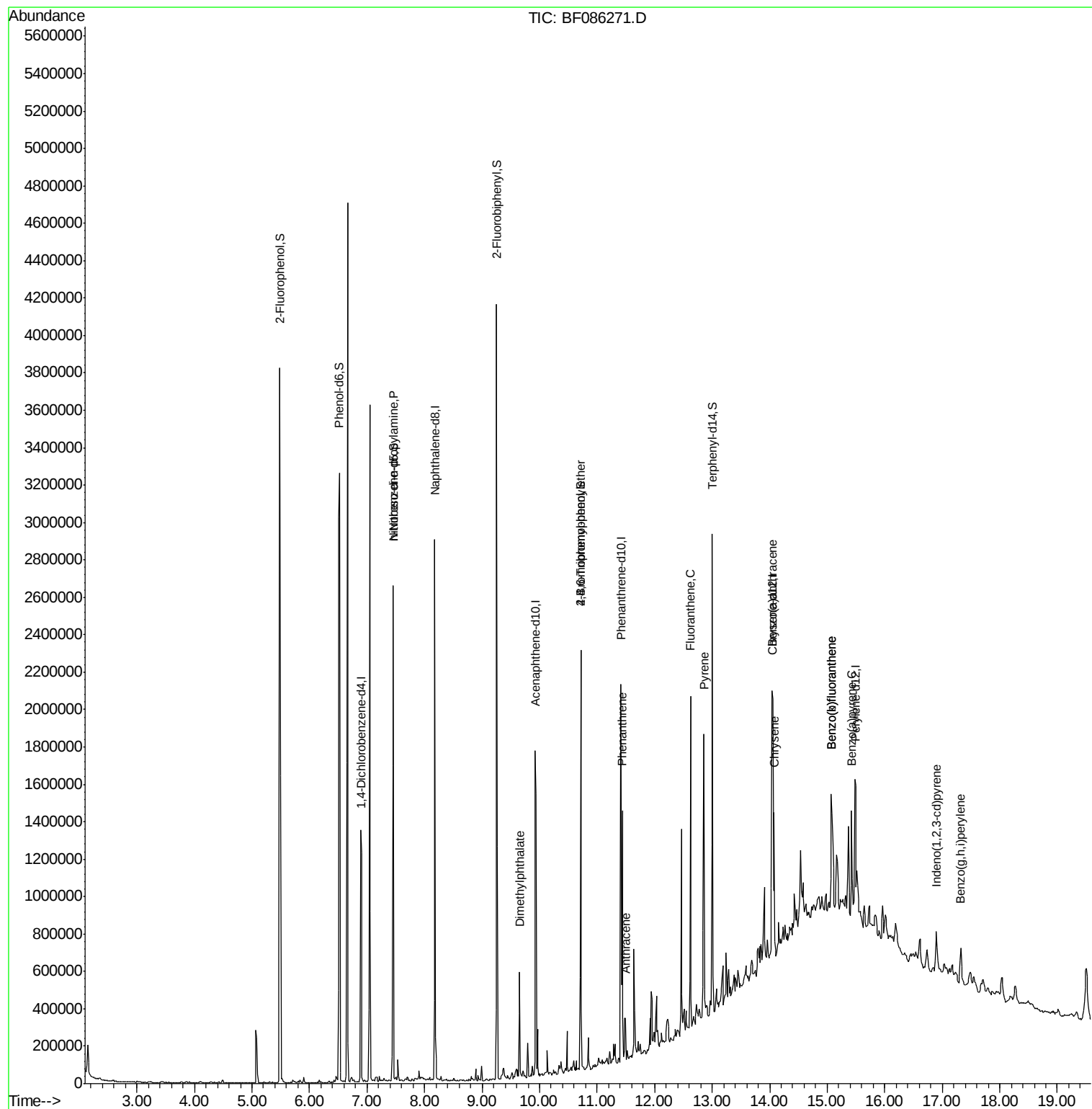
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	147557	10.32	ng	# 74
22) Acetophenone	7.30	105	2624	Below	Cal	# 67
49) Dimethylphthalate	9.65	163	278292	8.13	ng	98
57) Fluorene	10.48	166	57397	Below	Cal	98
66) 4-Bromophenyl-phenylether	10.72	248	14941	2.35	ng	# 1
70) Phenanthrene	11.44	178	449641	13.78	ng	99
71) Anthracene	11.49	178	137733	2.64	ng	97
74) Fluoranthene	12.62	202	627608	19.11	ng	99
77) Pyrene	12.85	202	593768	15.40	ng	98
80) Benzo(a)anthracene	14.04	228	300533	10.90	ng	96
82) Chrysene	14.08	228	311992	10.61	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	149047	6.17	ng	98
87) Benzo(b)fluoranthene	15.07	252	501141	18.86	ng	# 91
88) Benzo(k)fluoranthene	15.07	252	501141	20.69	ng	# 89
89) Benzo(a)pyrene	15.43	252	272527	11.84	ng	94
91) Benzo(g,h,i)perylene	17.32	276	163874	7.58	ng	98

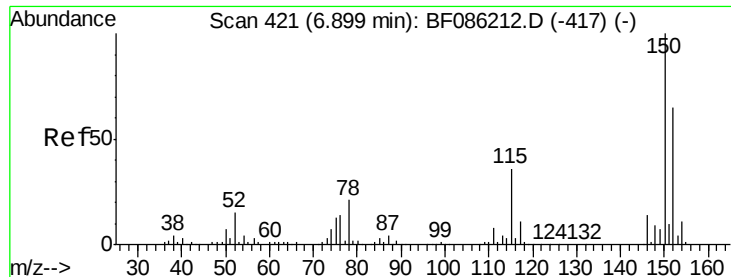
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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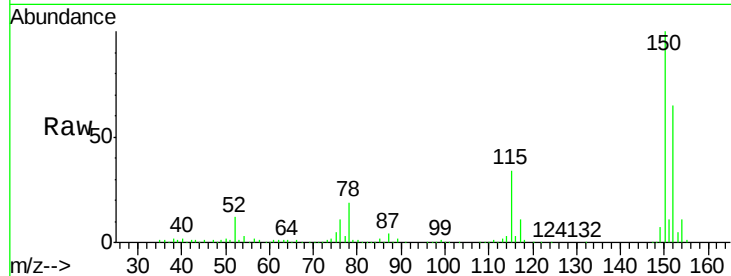


#1

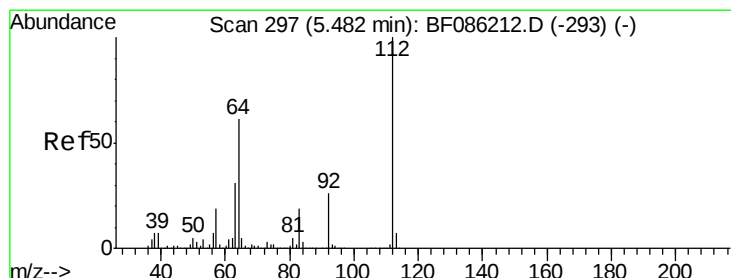
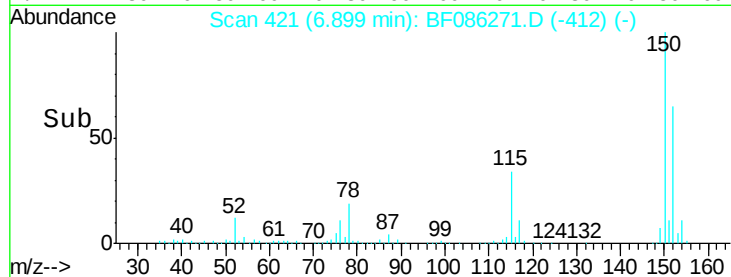
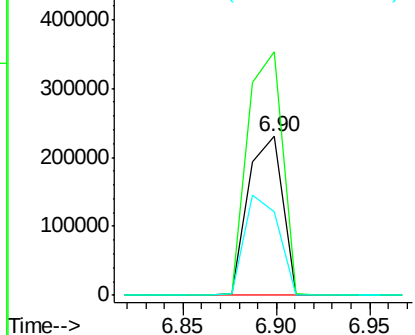
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

Tgt Ion:152 Resp: 292534
Ion Ratio Lower Upper
152 100
150 153.1 124.1 186.1
115 52.7 43.9 65.9



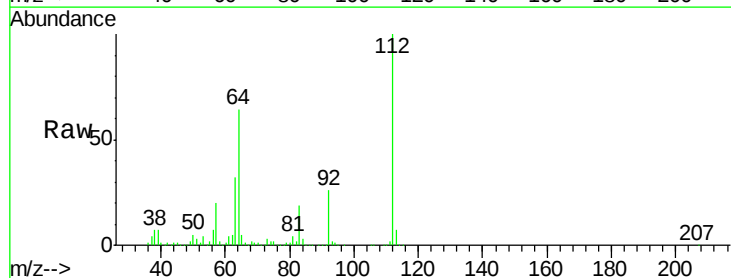
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



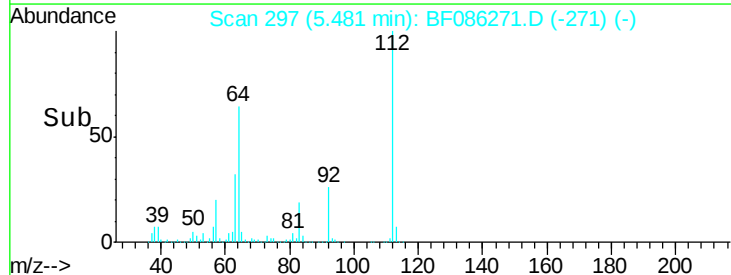
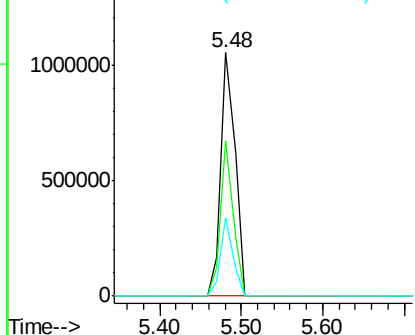
#5

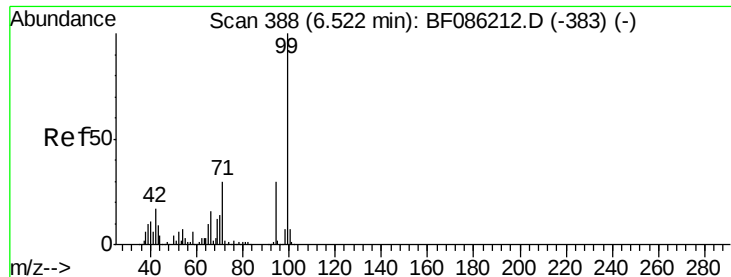
2-Fluorophenol
Concen: 70.88 ng
RT: 5.48 min Scan# 297
Delta R.T. 0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Tgt Ion:112 Resp: 1265588
Ion Ratio Lower Upper
112 100
64 63.9 48.1 72.1
63 32.2 25.5 38.3



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: 77.73 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

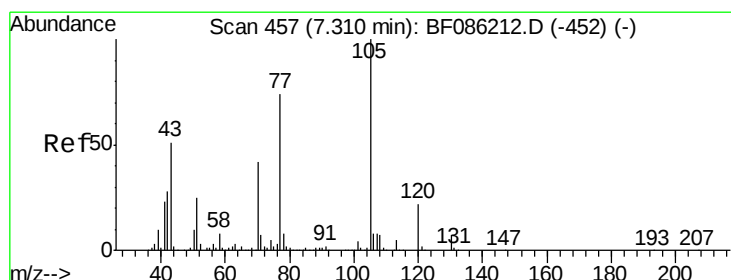
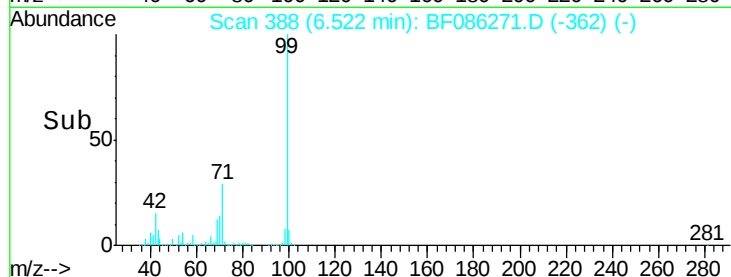
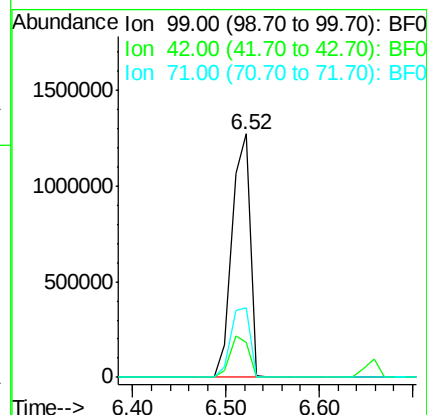
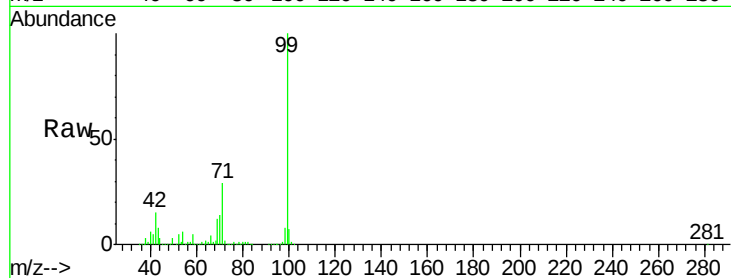
Tgt Ion: 99 Resp: 1735957

Ion Ratio Lower Upper

99 100

42 14.6 15.4 23.2#

71 28.8 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.32 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.15 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Tgt Ion: 70 Resp: 147557

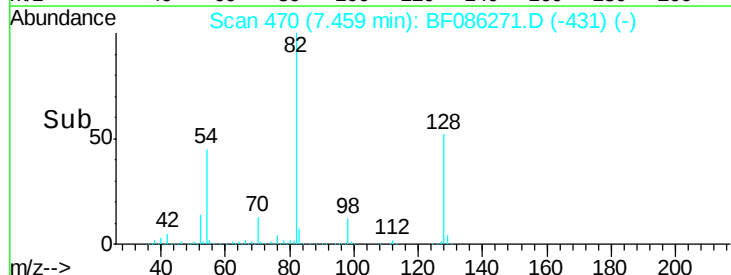
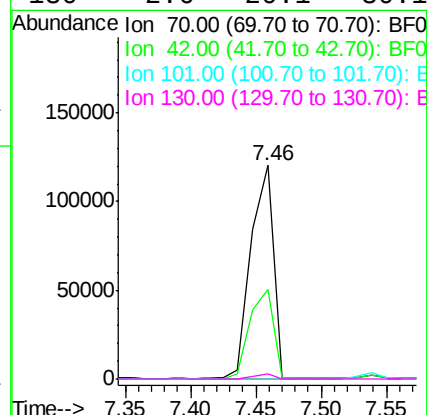
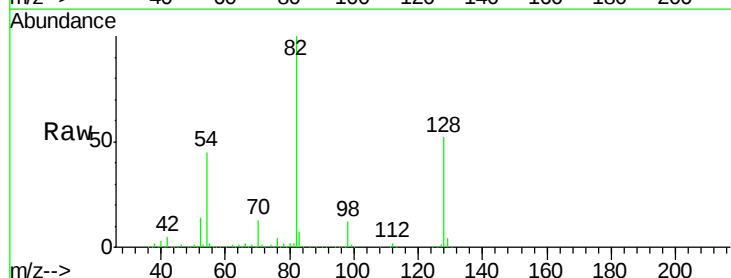
Ion Ratio Lower Upper

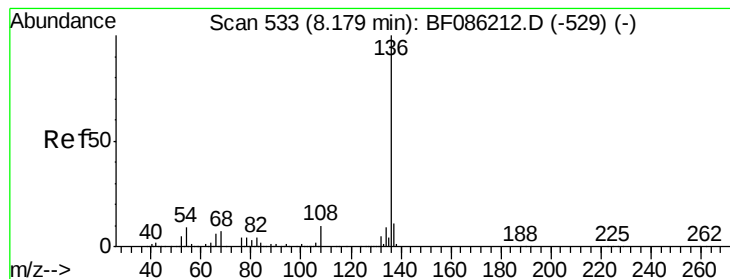
70 100

42 41.9 43.0 64.4#

101 0.0 8.1 12.1#

130 2.6 20.1 30.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

Tgt Ion:136 Resp: 1184178

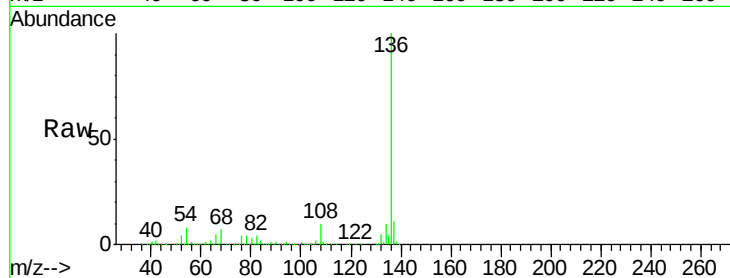
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.1 7.3 10.9

68 6.6 5.7 8.5

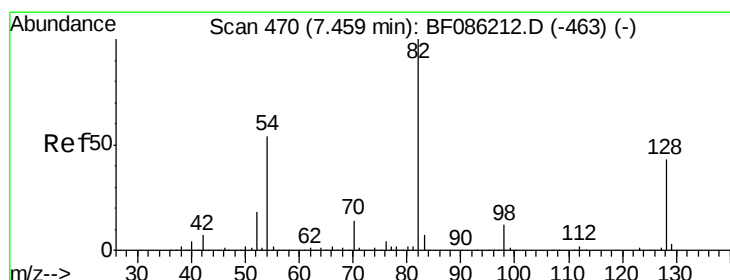
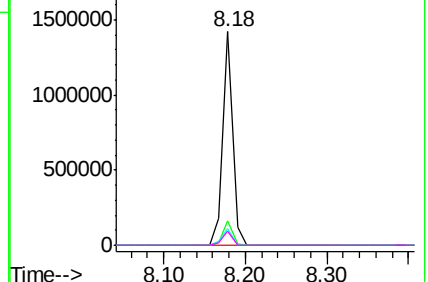
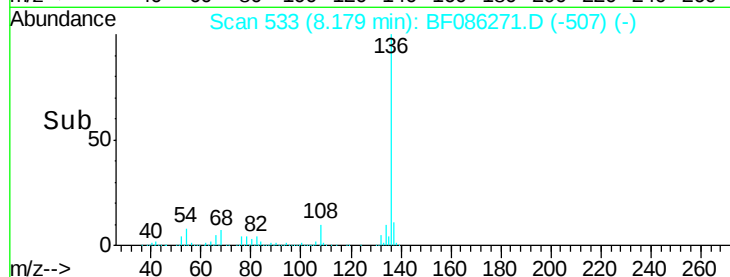


Abundance Ion 136.00 (135.70 to 136.70): E

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: 52.15 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

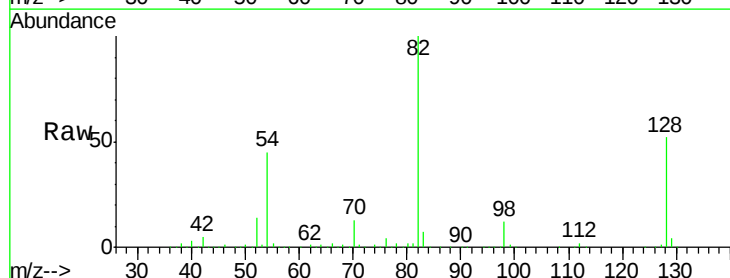
Tgt Ion: 82 Resp: 1070765

Ion Ratio Lower Upper

82 100

128 51.5 35.4 53.2

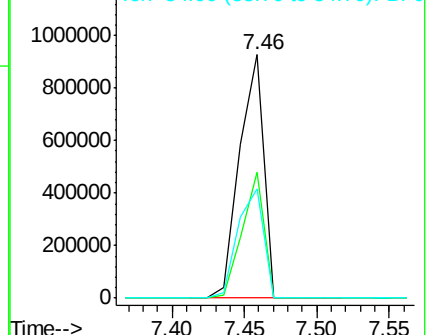
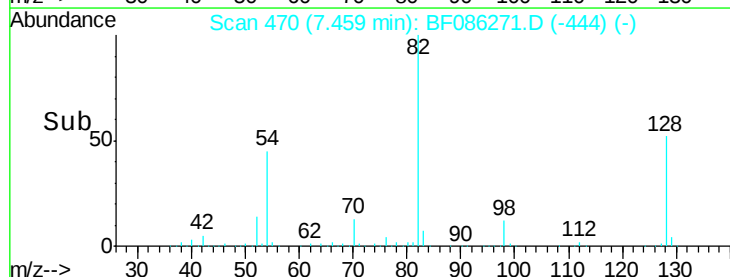
54 44.6 43.4 65.0

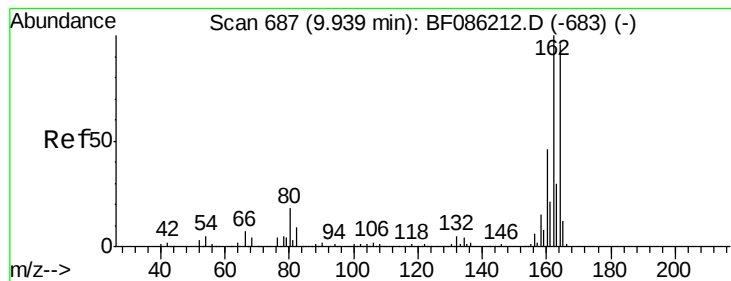


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

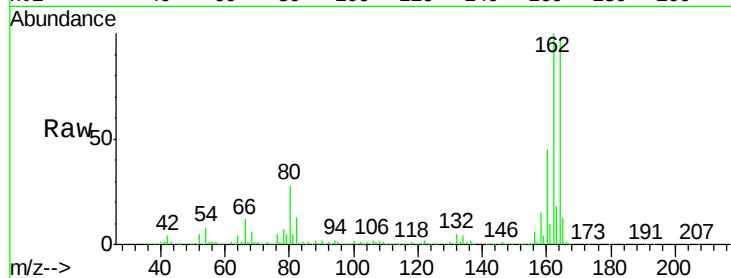
Tgt Ion:164 Resp: 470973

Ion Ratio Lower Upper

164 100

162 103.4 82.8 124.2

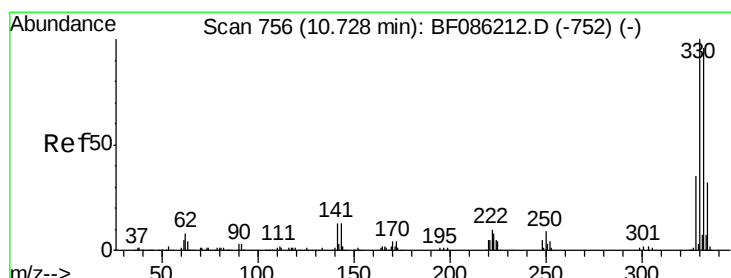
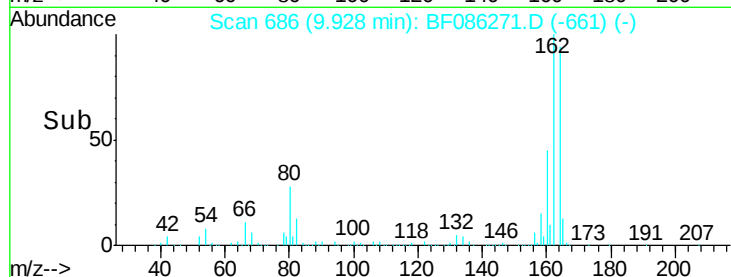
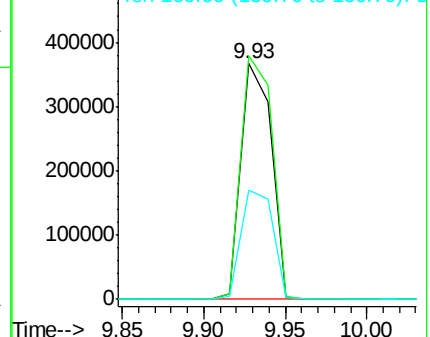
160 46.3 38.9 58.3



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: 60.15 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

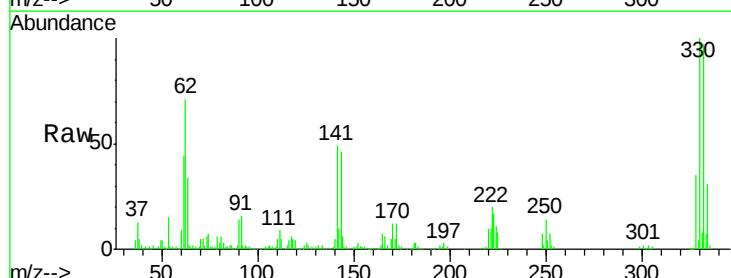
Tgt Ion:330 Resp: 227484

Ion Ratio Lower Upper

330 100

332 96.9 78.7 118.1

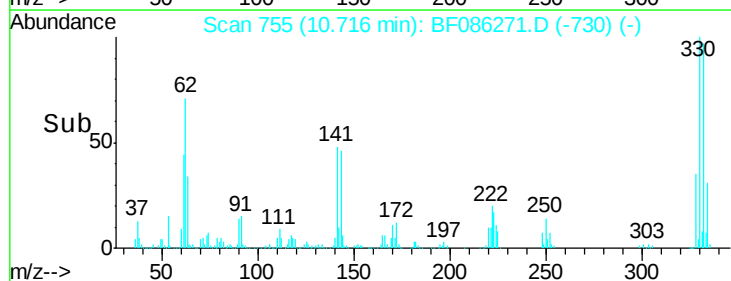
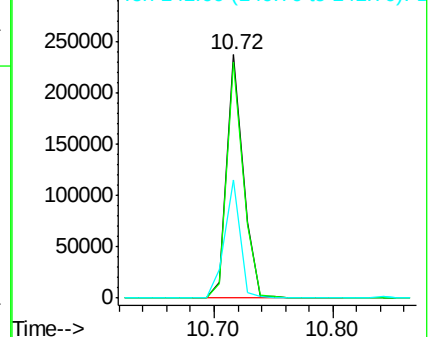
141 44.9 28.6 42.8#

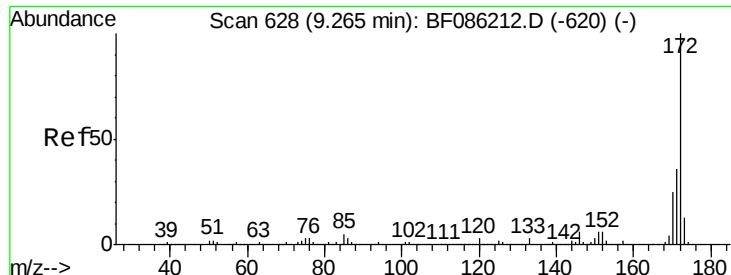


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

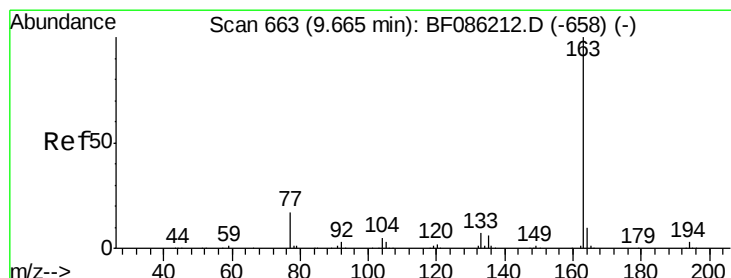
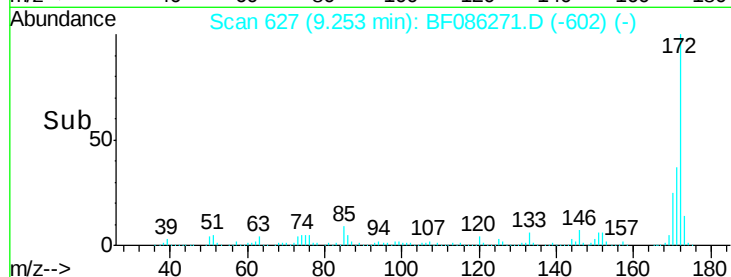
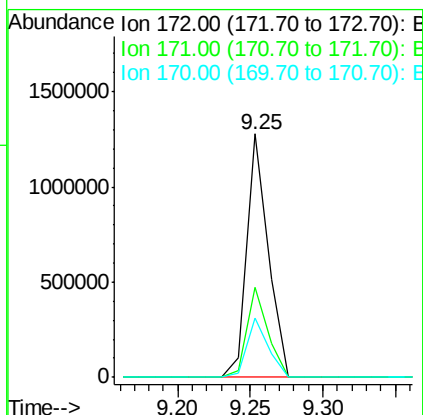
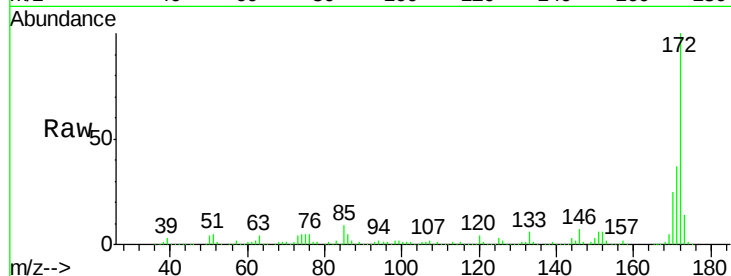




#44
 2-Fluorobiphenyl
 Concen: 50.98 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

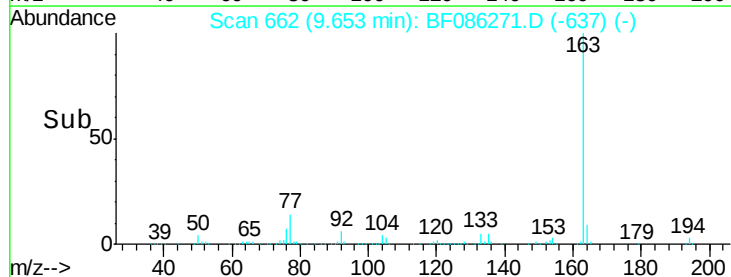
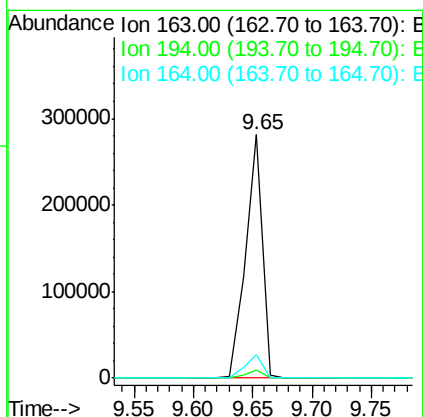
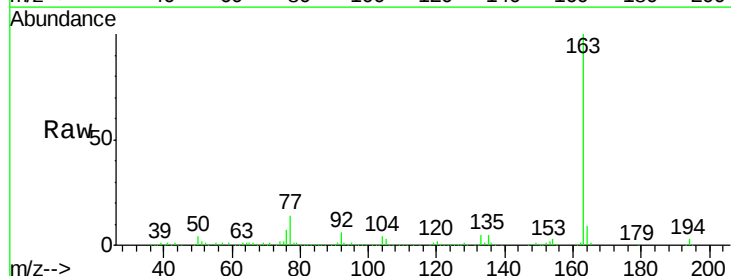
Instrument :
 BNA_F
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 SP-2-C-3(0-2)

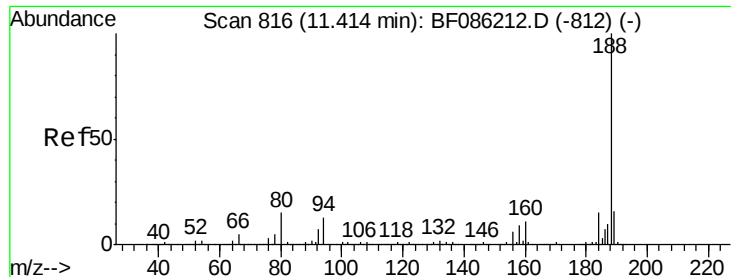
Tgt Ion:172 Resp: 1301081
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.1 43.7
 170 24.6 19.9 29.9



#49
 Dimethylphthalate
 Concen: 8.13 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Tgt Ion:163 Resp: 278292
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.8 4.2
 164 9.4 8.4 12.6

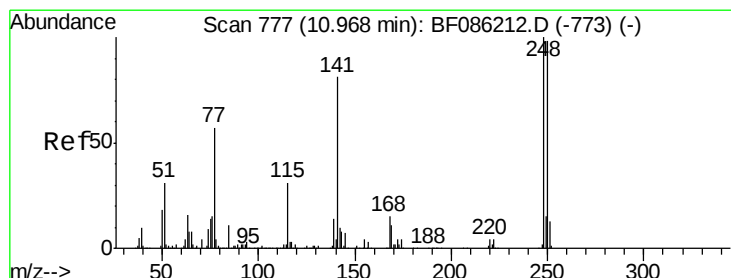
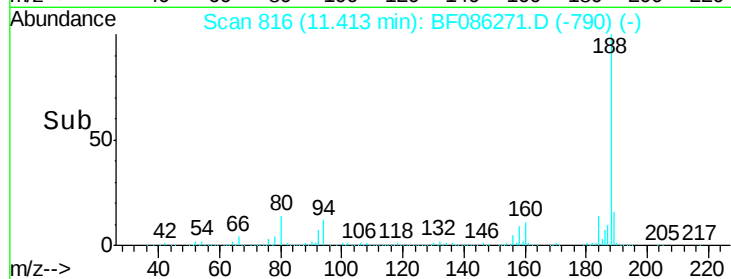
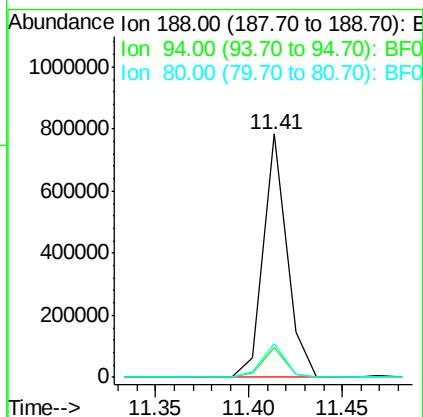
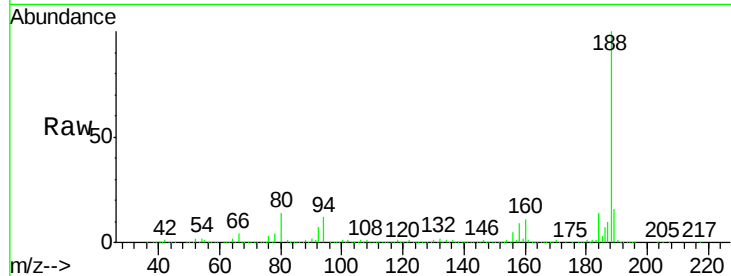




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

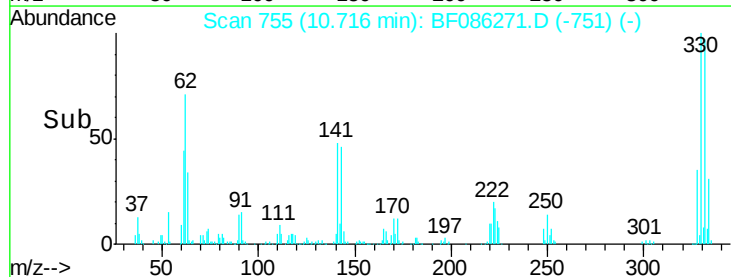
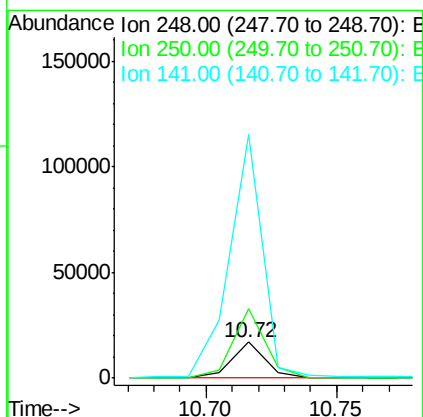
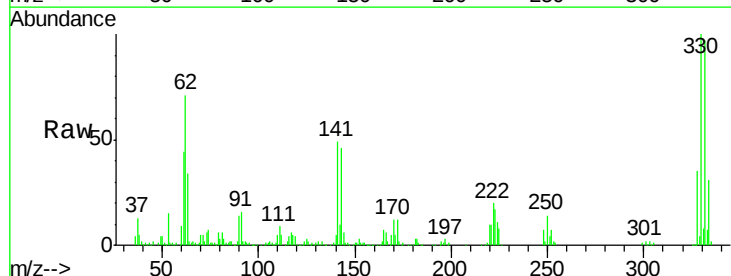
Instrument :
BNA_F
ClientSampleId :
SP-2-C-3(0-2)

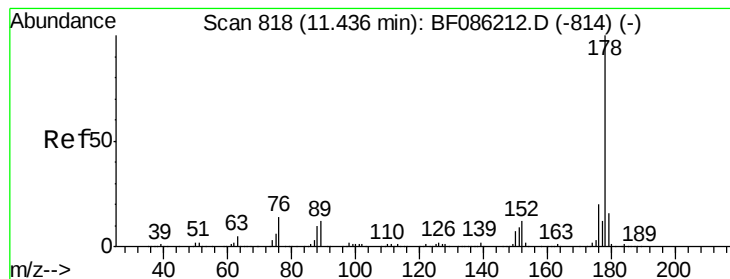
Tgt Ion:188 Resp: 683184
Ion Ratio Lower Upper
188 100
94 12.4 9.8 14.8
80 13.6 10.5 15.7



#66
4-Bromophenyl-phenylether
Concen: 2.35 ng
RT: 10.72 min Scan# 755
Delta R.T. -0.25 min
Lab File: BF086271.D
Acq: 16 Apr 2016 17:41

Tgt Ion:248 Resp: 14941
Ion Ratio Lower Upper
248 100
250 195.2 78.6 118.0#
141 679.6 57.9 86.9#





#70

Phenanthrene

Concen: 13.78 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

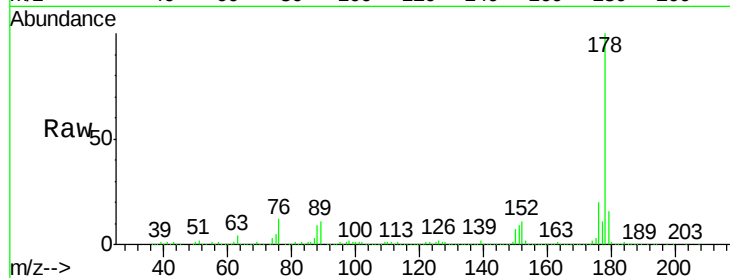
Tgt Ion:178 Resp: 449641

Ion Ratio Lower Upper

178 100

176 20.2 16.3 24.5

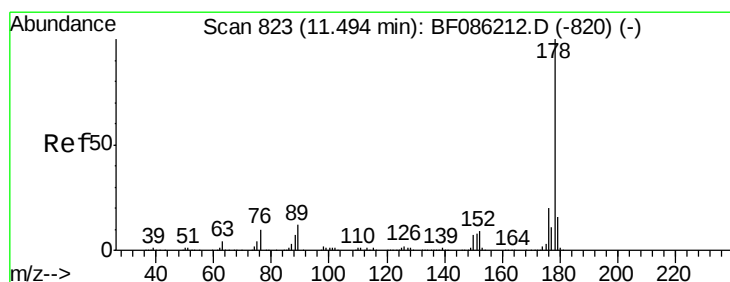
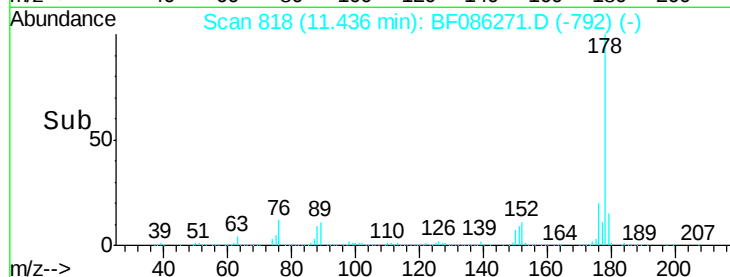
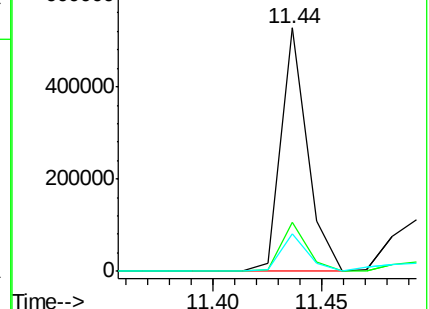
179 15.6 13.0 19.6



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: 2.64 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

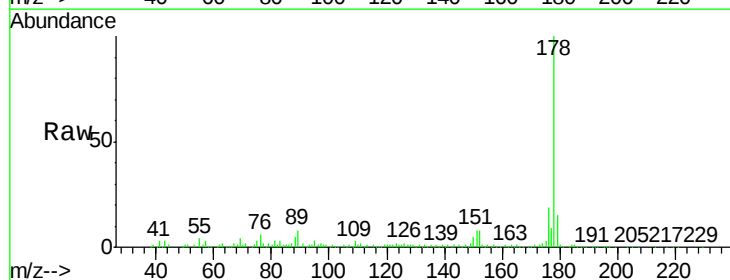
Tgt Ion:178 Resp: 137733

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.4

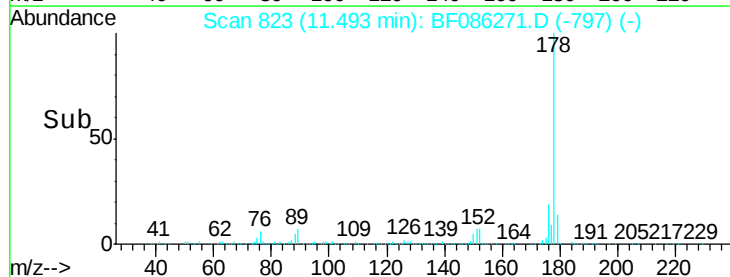
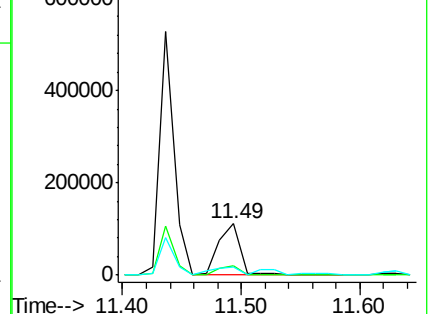
179 15.0 13.2 19.8

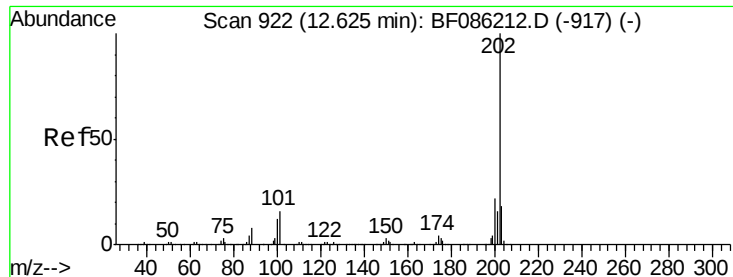


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 19.11 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

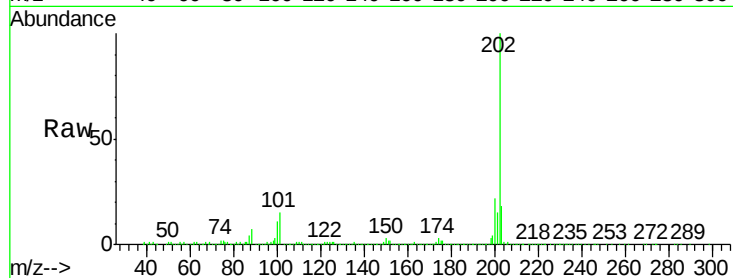
Tgt Ion:202 Resp: 627608

Ion Ratio Lower Upper

202 100

101 14.7 0.0 35.2

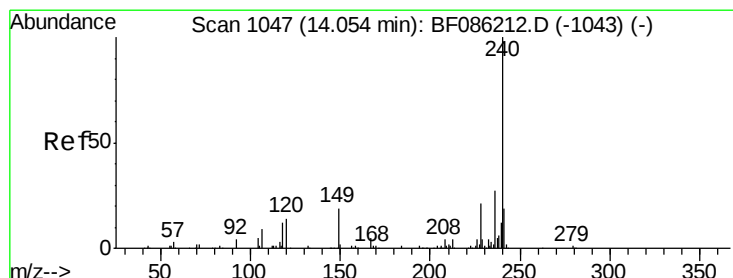
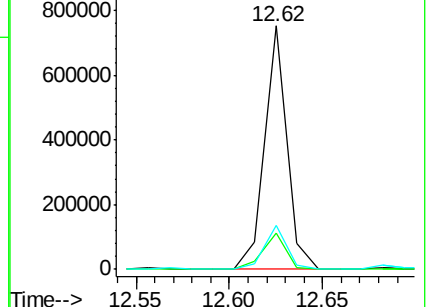
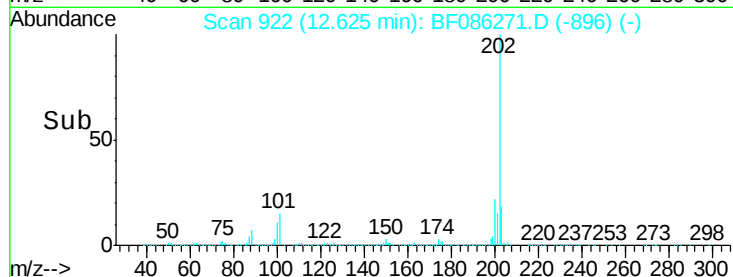
203 17.8 0.0 38.2



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: 14.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

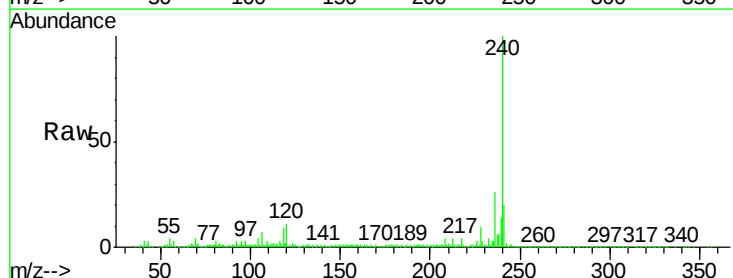
Tgt Ion:240 Resp: 502448

Ion Ratio Lower Upper

240 100

120 10.8 9.3 13.9

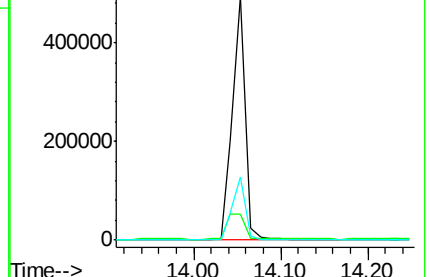
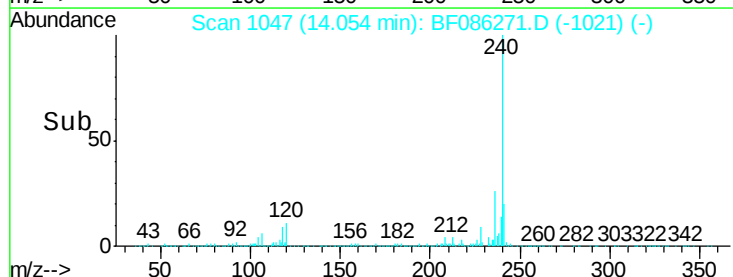
236 26.1 21.1 31.7

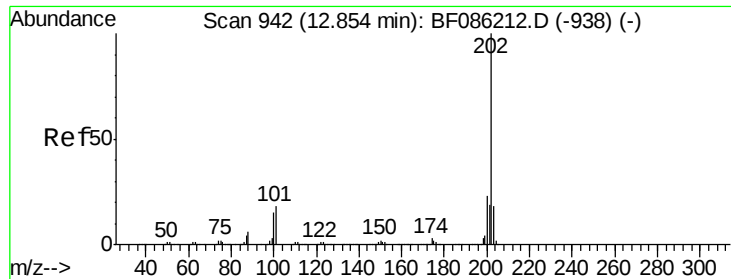


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

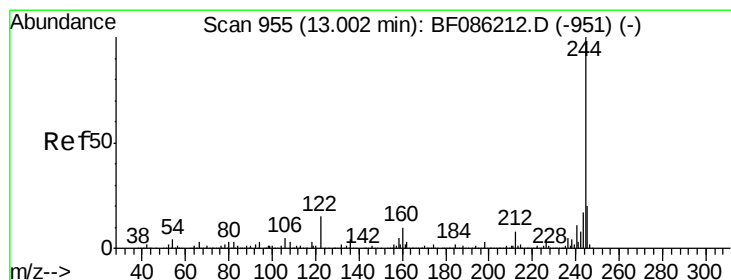
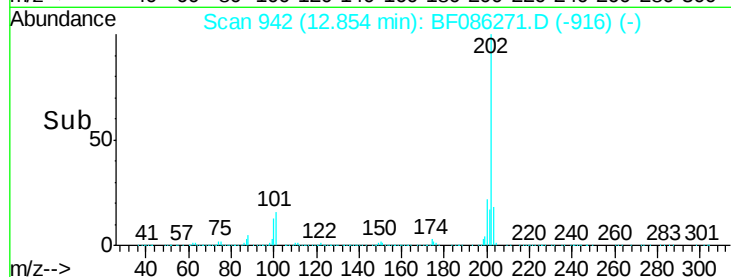
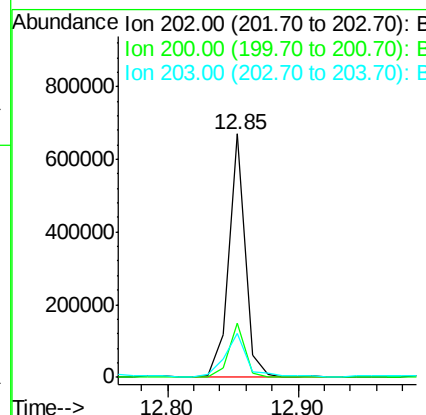
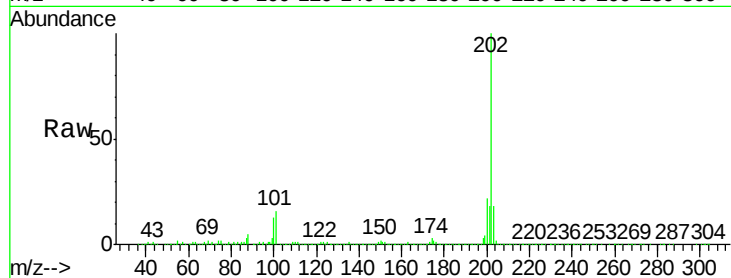




#77
 Pyrene
 Concen: 15.40 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

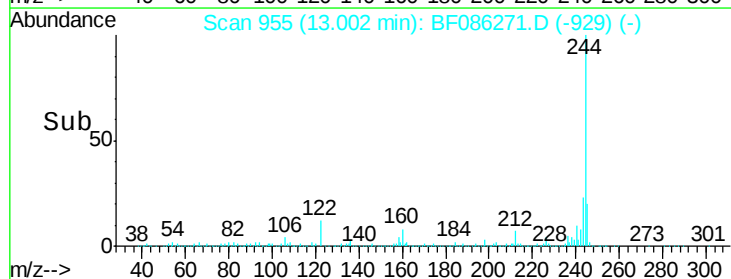
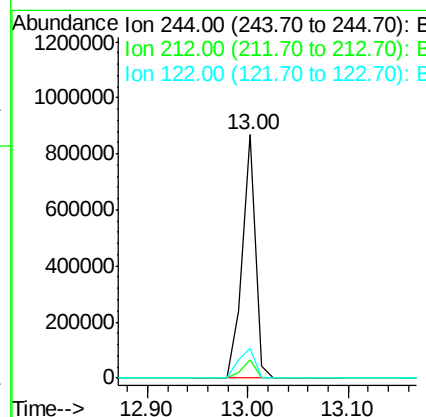
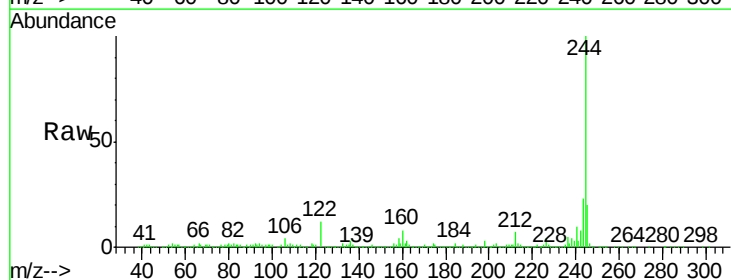
Instrument :
 BNA_F
 ClientSampleId :
 SP-2-C-3(0-2)

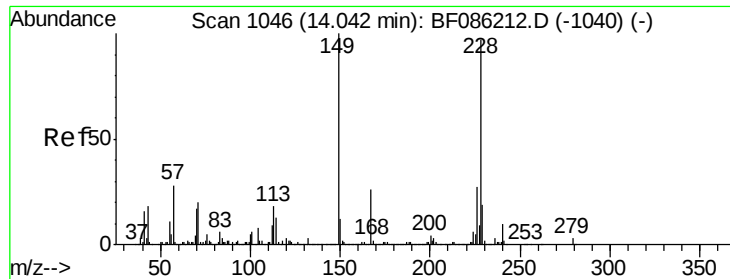
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	18.3	27.5
203	18.1	14.9	22.3



#78
 Terphenyl-d14
 Concen: 39.97 ng
 RT: 13.00 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: BF086271.D
 Acq: 16 Apr 2016 17:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	12.2	11.7	17.5





#80

Benzo(a)anthracene

Concen: 10.90 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

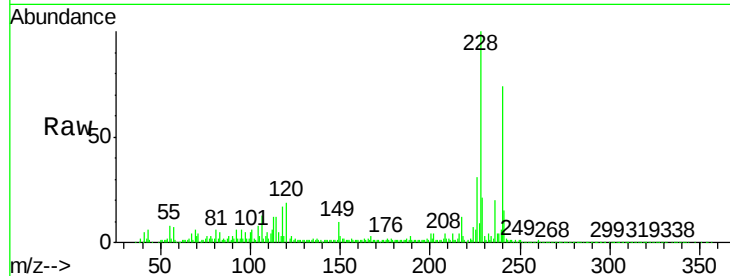
Tgt Ion:228 Resp: 300533

Ion Ratio Lower Upper

228 100

226 31.2 22.5 33.7

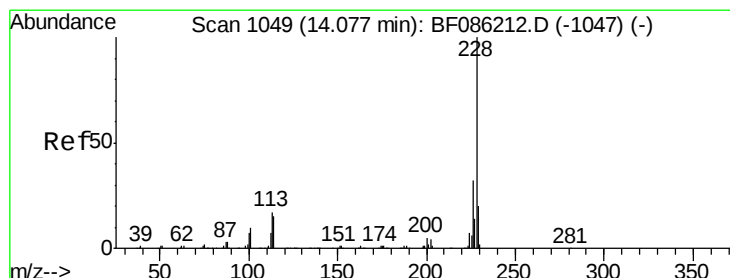
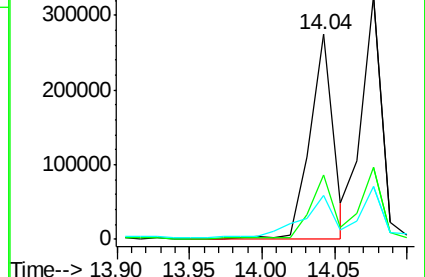
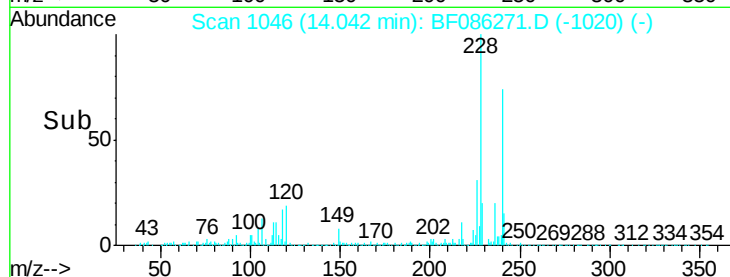
229 21.3 16.2 24.2



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: 10.61 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

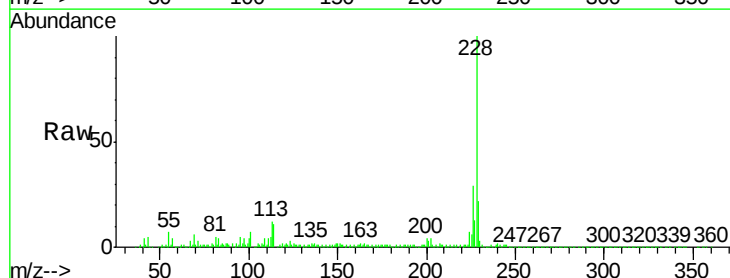
Tgt Ion:228 Resp: 311992

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.2

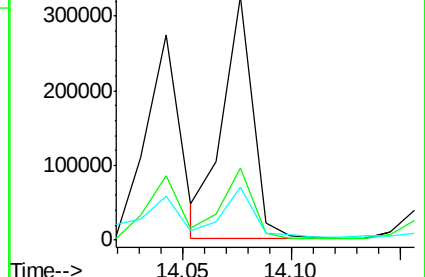
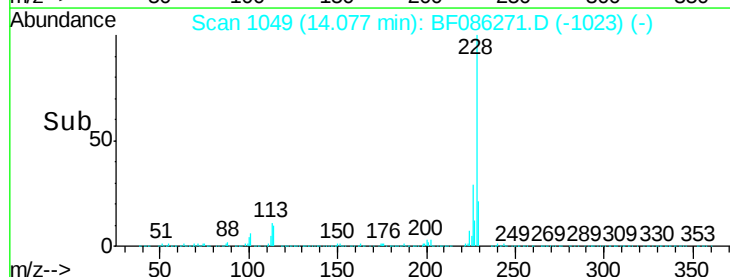
229 21.9 16.5 24.7

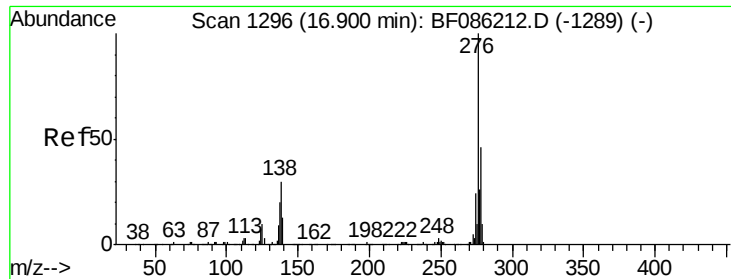


Abundance Ion 228.00 (227.70 to 228.70): E

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: 6.17 ng

RT: 16.90 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

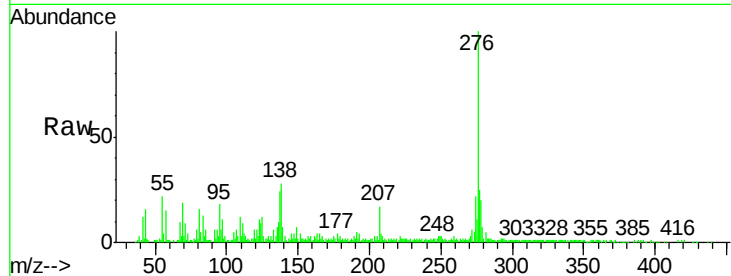
Tgt Ion: 276 Resp: 149047

Ion Ratio Lower Upper

276 100

138 29.6 23.8 35.6

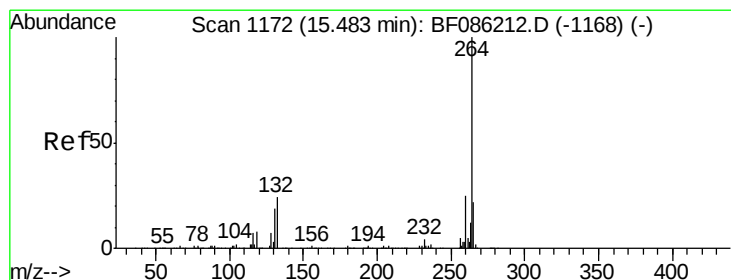
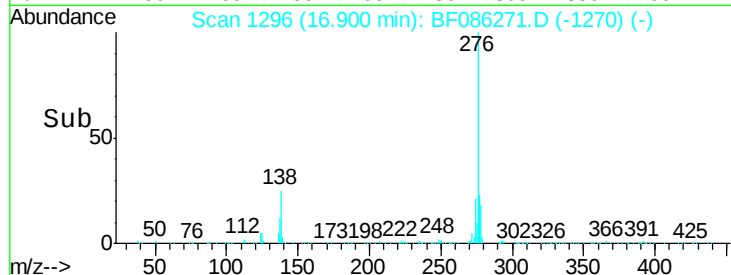
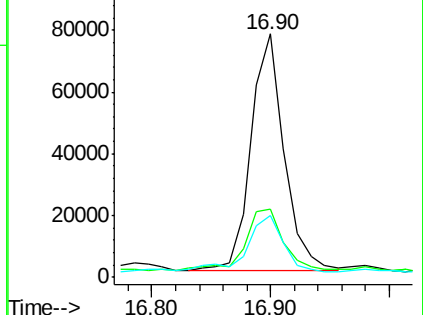
277 27.5 20.2 30.2



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: 15.49 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

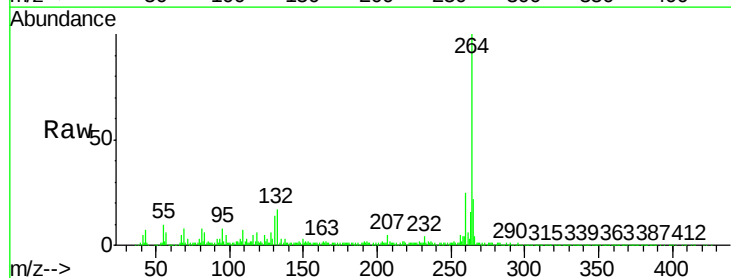
Tgt Ion: 264 Resp: 430577

Ion Ratio Lower Upper

264 100

260 25.2 20.0 30.0

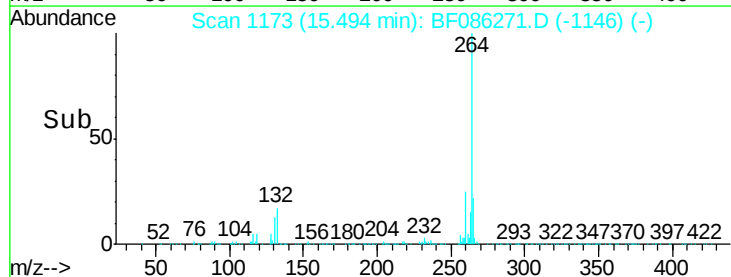
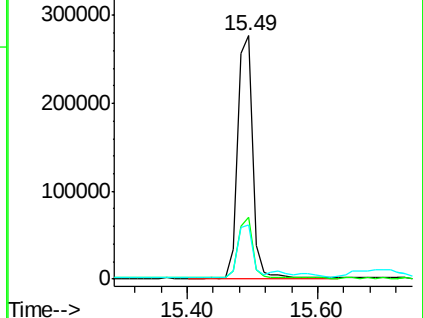
265 22.2 17.4 26.0

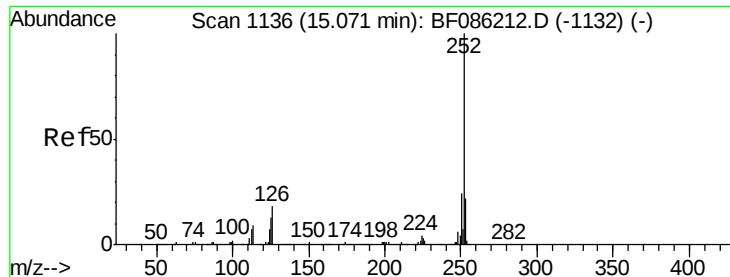


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.86 ng

RT: 15.07 min Scan# 1136

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

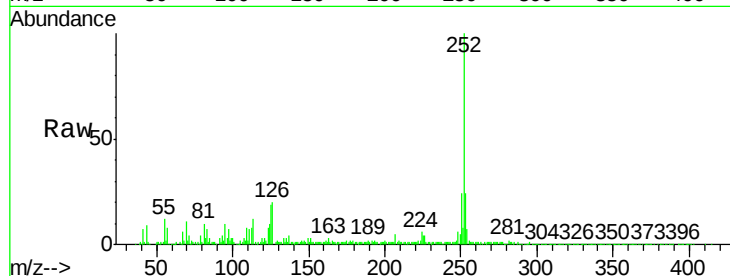
Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

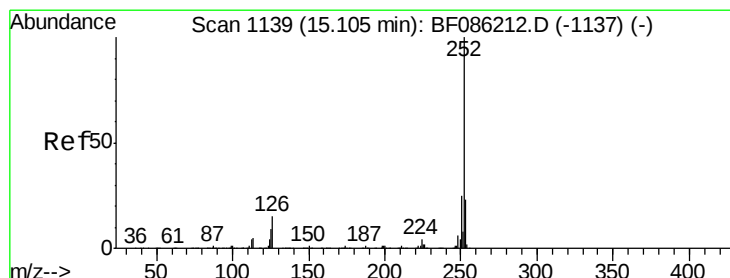
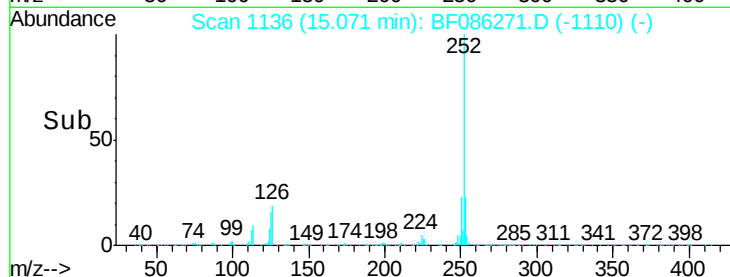
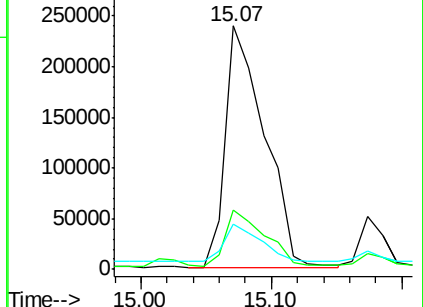
Tgt Ion:	252	Resp:	501141
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	18.8	10.3	15.5#



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



#88

Benzo(k)fluoranthene

Concen: 20.69 ng

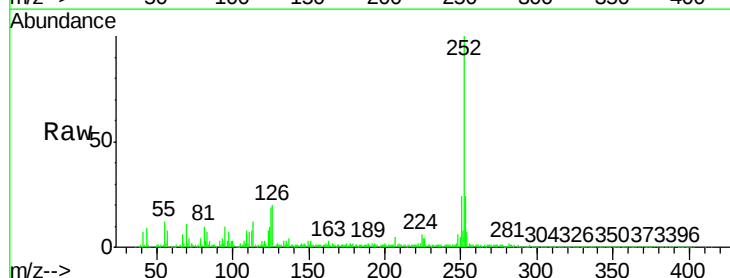
RT: 15.07 min Scan# 1136

Delta R.T. -0.03 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

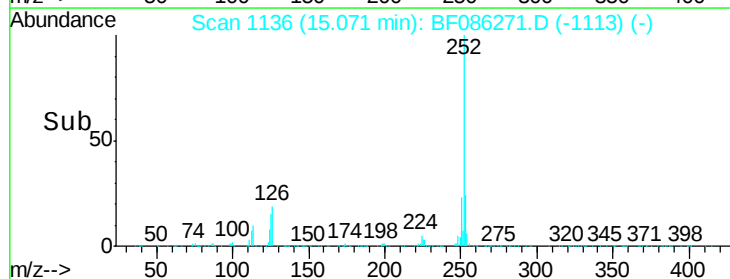
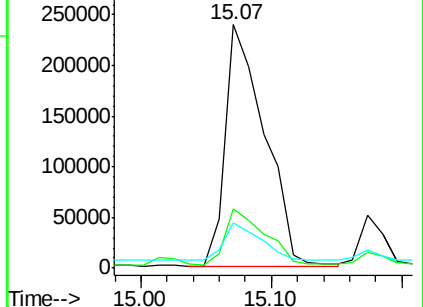
Tgt Ion:	252	Resp:	501141
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	18.8	7.8	11.6#

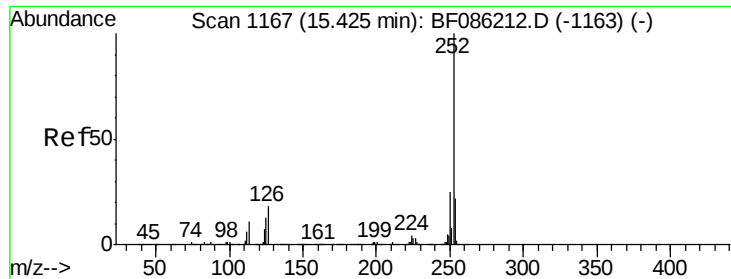


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.84 ng

RT: 15.43 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

Instrument :

BNA_F

ClientSampleId :

SP-2-C-3(0-2)

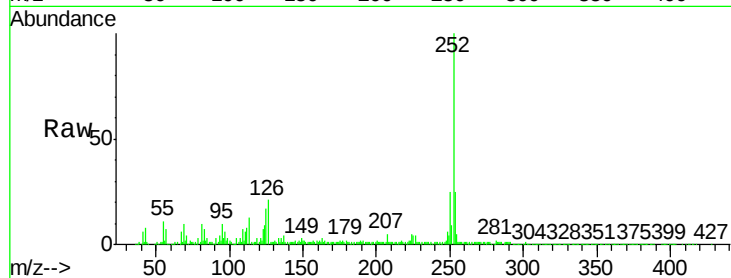
Tgt Ion:252 Resp: 272527

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.8

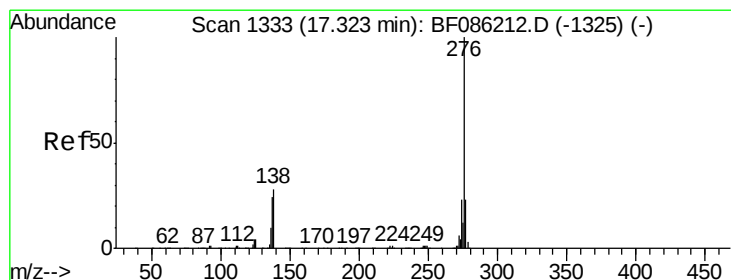
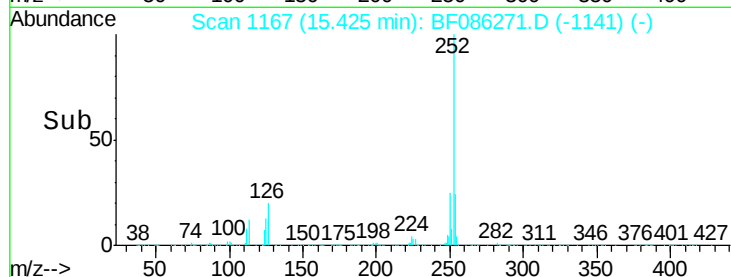
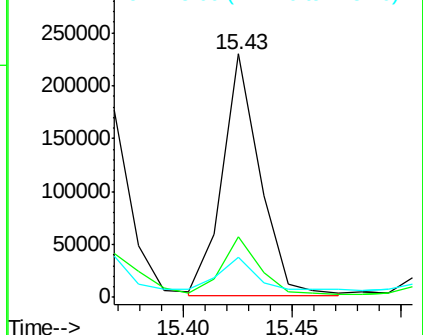
125 16.7 11.2 16.8



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: 7.58 ng

RT: 17.32 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF086271.D

Acq: 16 Apr 2016 17:41

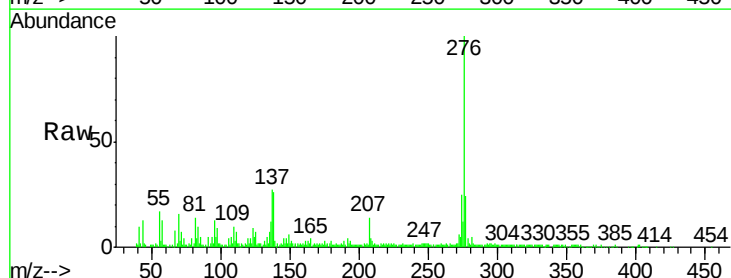
Tgt Ion:276 Resp: 163874

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 26.0 19.6 29.4



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

