

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041516\
 Data File : BF086273.D
 Acq On : 16 Apr 2016 18:37
 Operator : UM/SJ
 Sample : H2413-05
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2-E-5(0-2)

Quant Time: Apr 18 04:13:56 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	303134	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1098052	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	419095	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	616808	20.00	ng	0.00
75) Chrysene-d12	14.05	240	592681	20.00	ng	0.00
86) Perylene-d12	15.49	264	496717	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1627314	87.96	ng	0.01
7) Phenol-d6	6.52	99	1812511	78.32	ng	0.00
23) Nitrobenzene-d5	7.46	82	1293483	67.94	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	267458	79.48	ng	-0.01
44) 2-Fluorobiphenyl	9.25	172	1575298	69.36	ng	-0.01
78) Terphenyl-d14	13.00	244	987185	41.88	ng	0.00

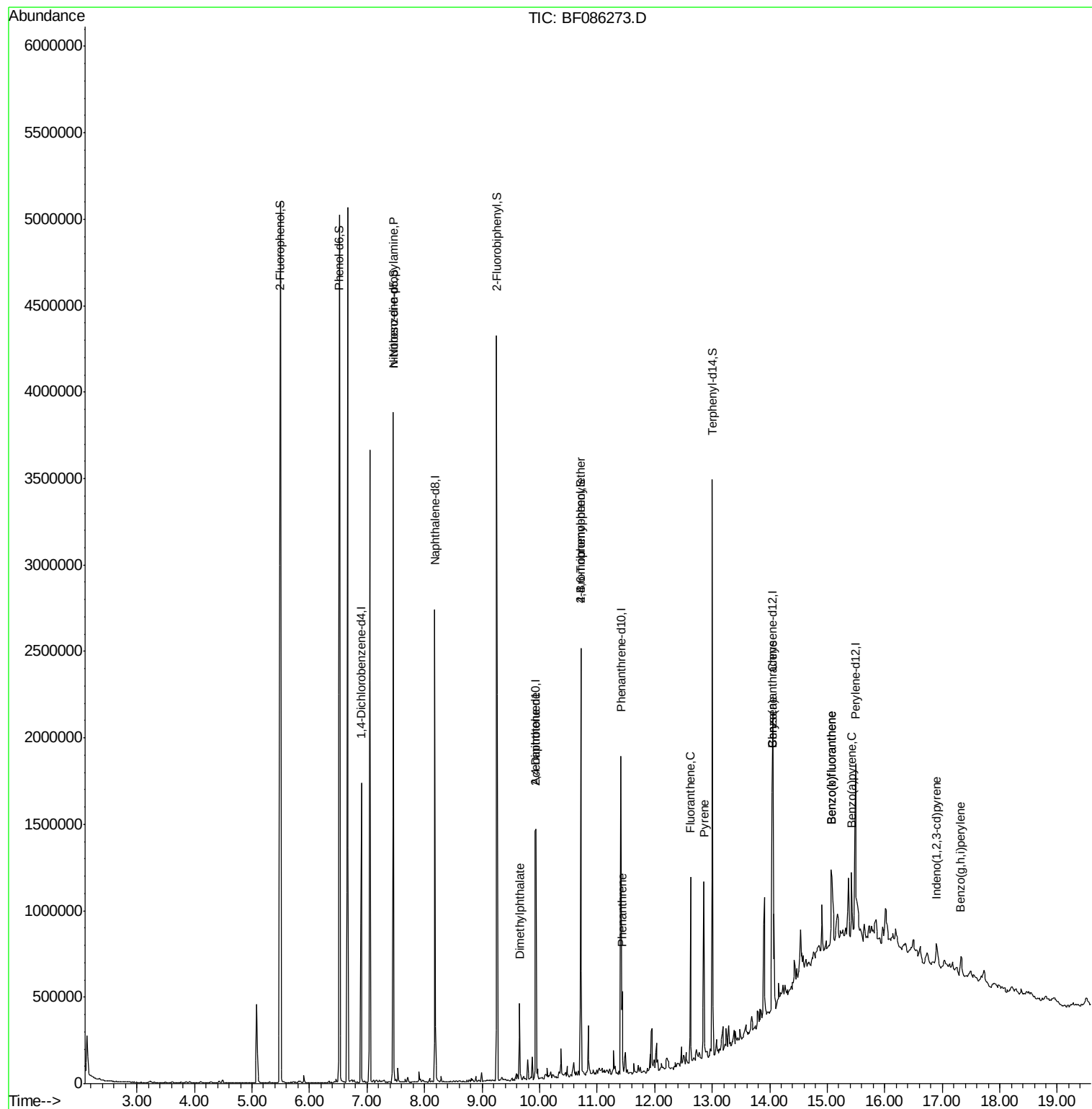
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	183367	12.38	ng	# 80
22) Acetophenone	7.30	105	1389	Below	Cal	# 76
49) Dimethylphthalate	9.65	163	210774	6.92	ng	98
56) 2,4-Dinitrotoluene	9.93	165	55533	6.43	ng	# 31
57) Fluorene	10.48	166	19163	Below	Cal	# 95
66) 4-Bromophenyl-phenylether	10.72	248	16414	2.86	ng	# 1
70) Phenanthrene	11.44	178	160427	5.45	ng	97
74) Fluoranthene	12.62	202	381665	10.77	ng	99
77) Pyrene	12.85	202	386981	8.51	ng	98
80) Benzo(a)anthracene	14.04	228	221254	6.80	ng	95
82) Chrysene	14.04	228	221254	6.38	ng	99
85) Indeno(1,2,3-cd)pyrene	16.90	276	92022	3.23	ng	97
87) Benzo(b)fluoranthene	15.07	252	355765	11.61	ng	# 94
88) Benzo(k)fluoranthene	15.07	252	355765	12.73	ng	# 91
89) Benzo(a)pyrene	15.43	252	187836	7.08	ng	# 92
91) Benzo(g,h,i)perylene	17.32	276	100621	4.03	ng	# 89

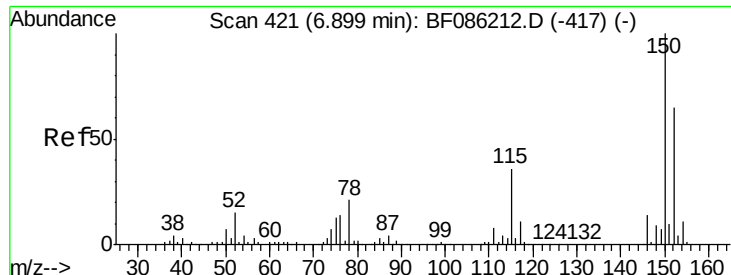
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

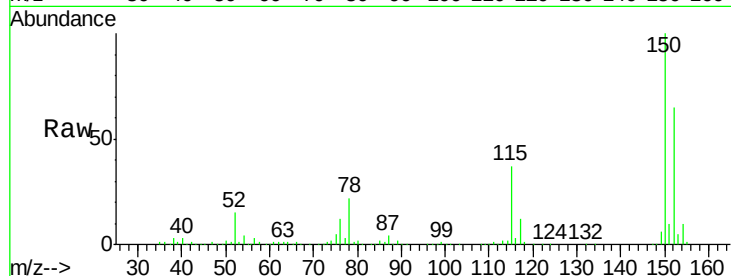
Tgt Ion:152 Resp: 303134

Ion Ratio Lower Upper

152 100

150 153.9 124.1 186.1

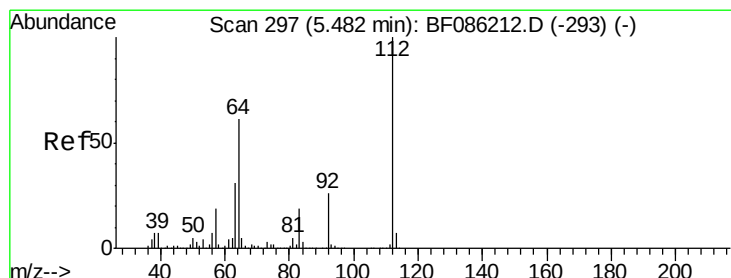
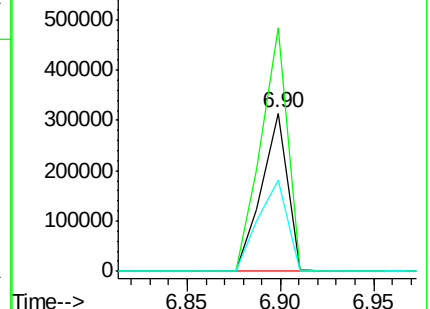
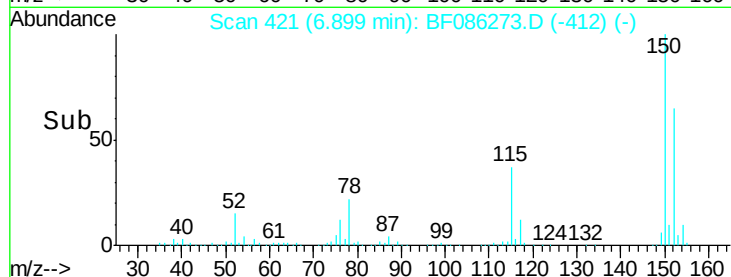
115 57.5 43.9 65.9



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: 87.96 ng

RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

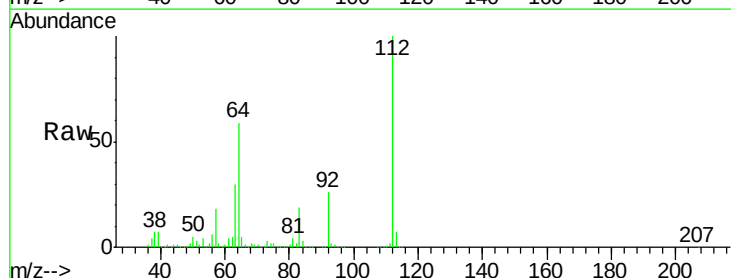
Tgt Ion:112 Resp: 1627314

Ion Ratio Lower Upper

112 100

64 59.2 48.1 72.1

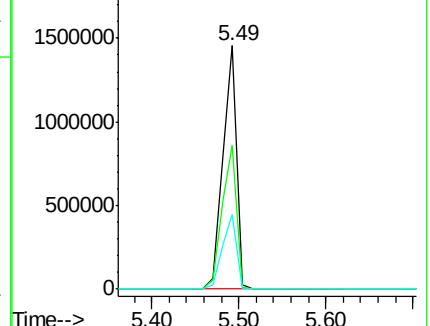
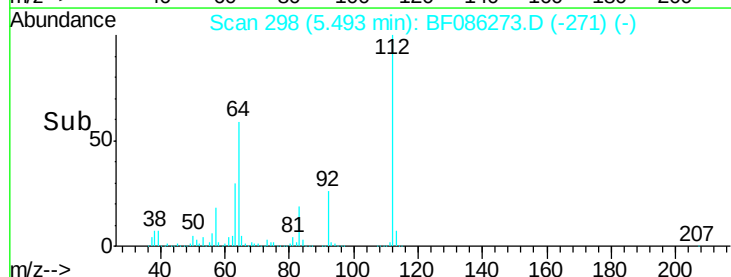
63 30.4 25.5 38.3

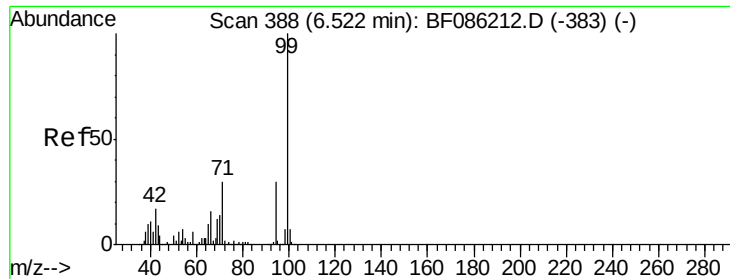


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 78.32 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

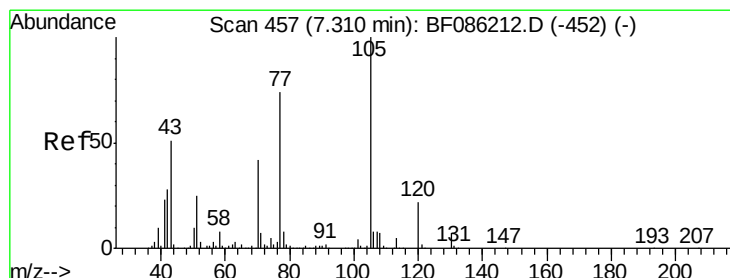
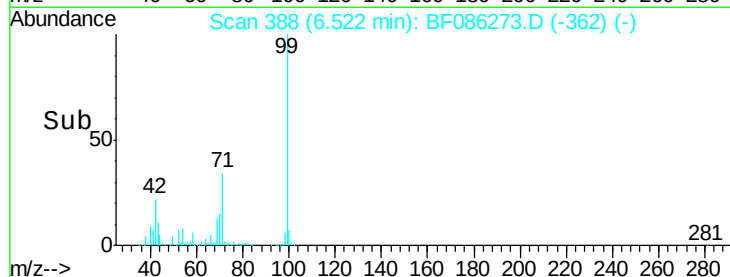
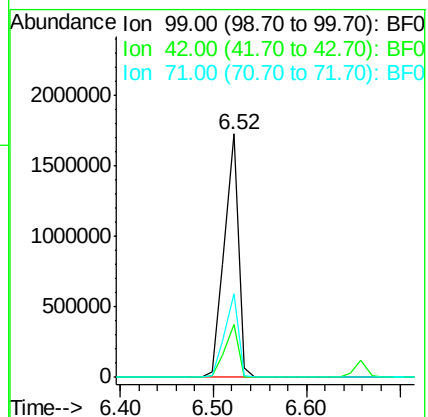
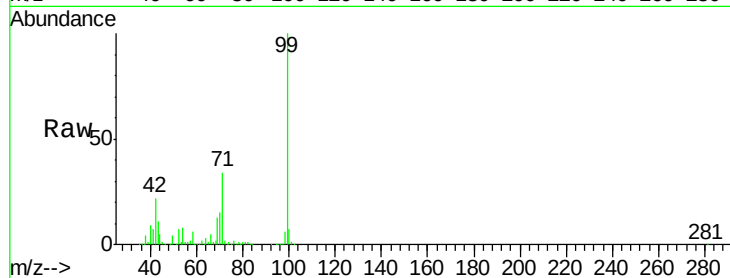
Tgt Ion: 99 Resp: 1812511

Ion Ratio Lower Upper

99 100

42 21.8 15.4 23.2

71 34.5 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.38 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.15 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Tgt Ion: 70 Resp: 183367

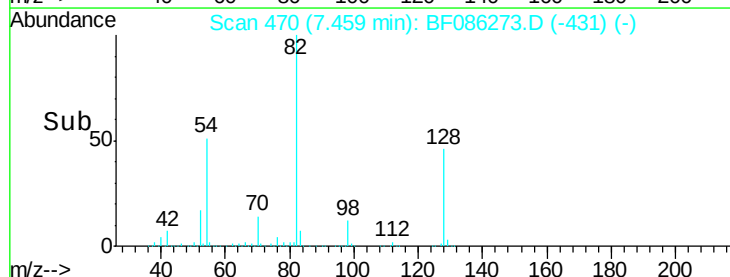
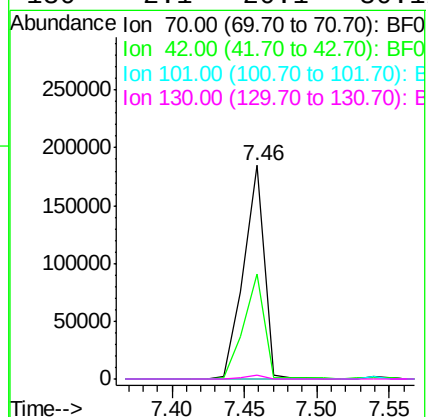
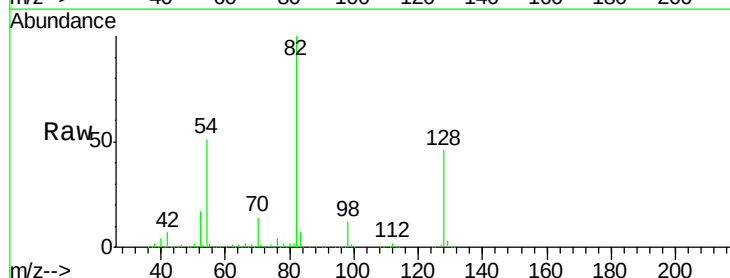
Ion Ratio Lower Upper

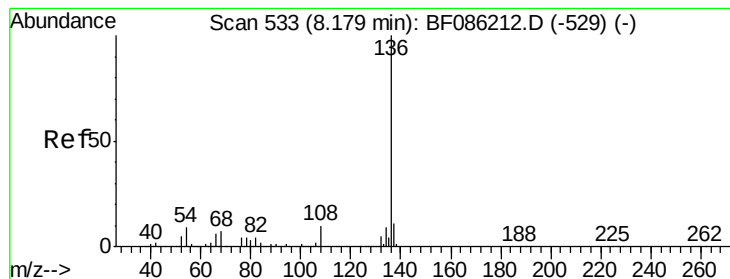
70 100

42 49.1 43.0 64.4

101 0.0 8.1 12.1#

130 2.1 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: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

Tgt Ion:136 Resp: 1098052

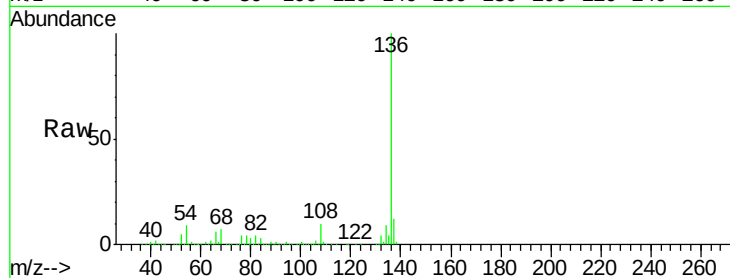
Ion Ratio Lower Upper

136 100

137 11.5 9.1 13.7

54 8.7 7.3 10.9

68 7.0 5.7 8.5

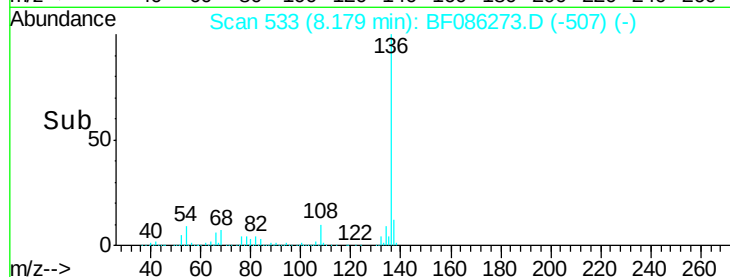


Abundance Ion 136.00 (135.70 to 136.70): E

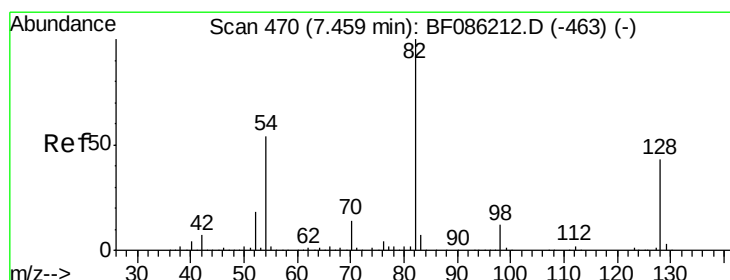
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 67.94 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

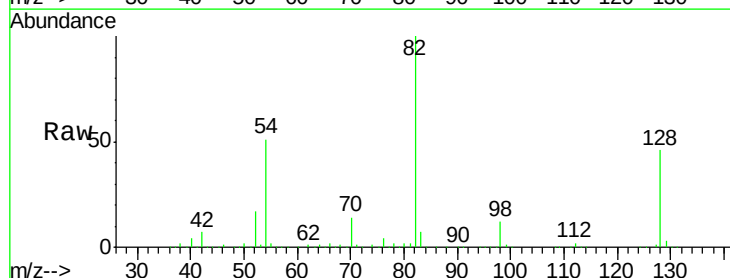
Tgt Ion: 82 Resp: 1293483

Ion Ratio Lower Upper

82 100

128 45.8 35.4 53.2

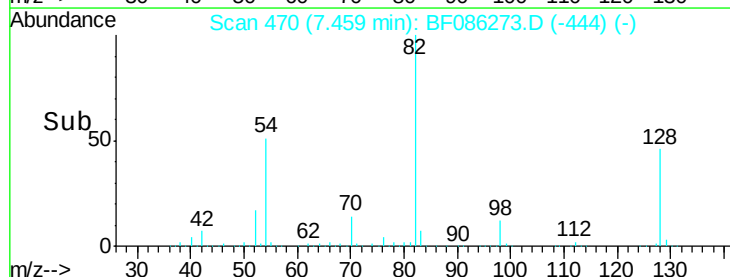
54 51.5 43.4 65.0



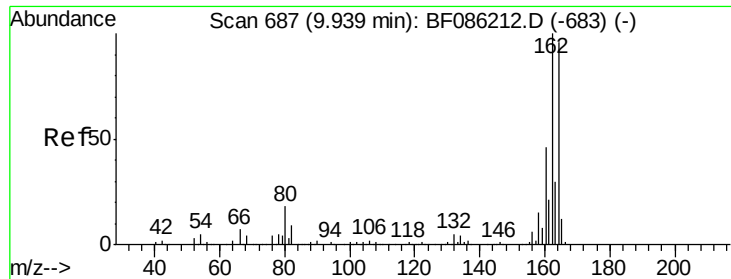
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

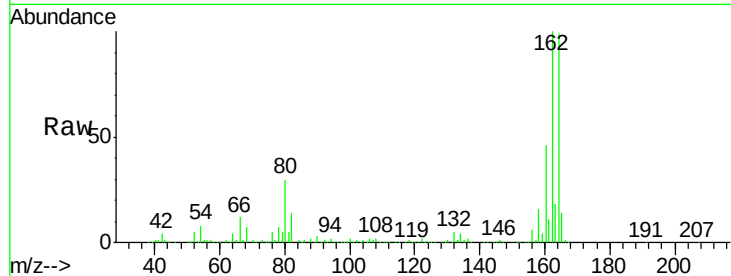
Tgt Ion:164 Resp: 419095

Ion Ratio Lower Upper

164 100

162 100.6 82.8 124.2

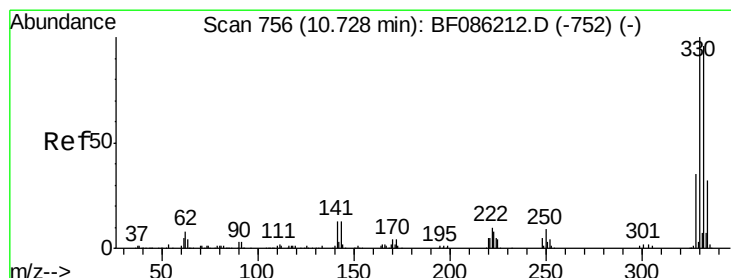
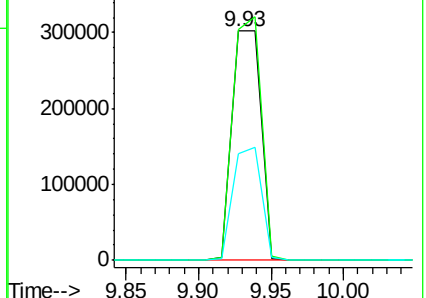
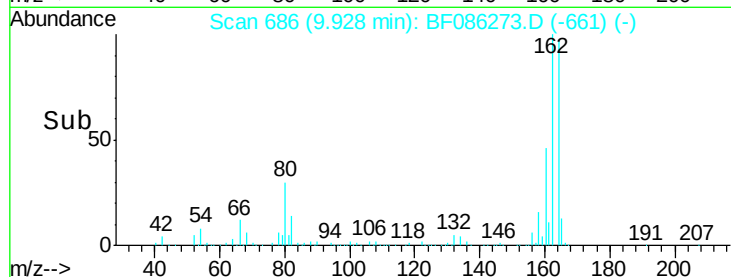
160 46.3 38.9 58.3



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: 79.48 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

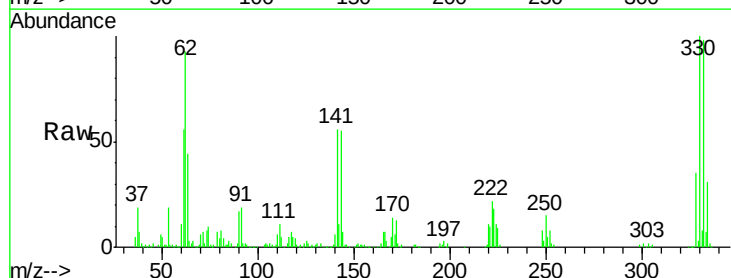
Tgt Ion:330 Resp: 267458

Ion Ratio Lower Upper

330 100

332 96.6 78.7 118.1

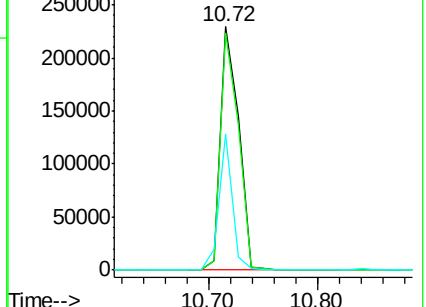
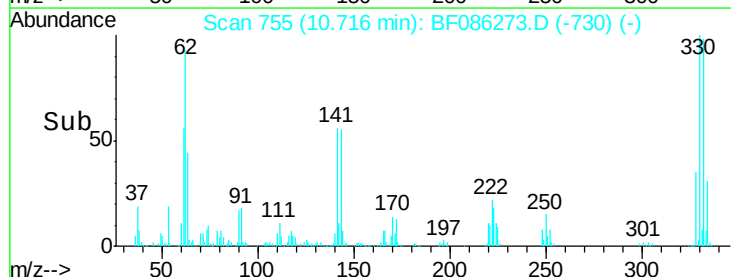
141 41.2 28.6 42.8

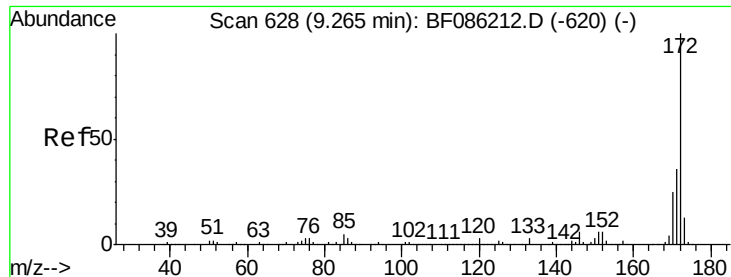


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

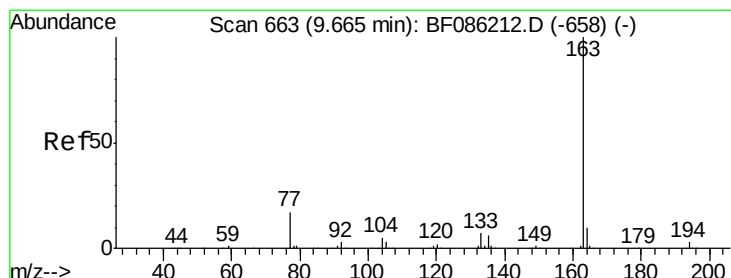
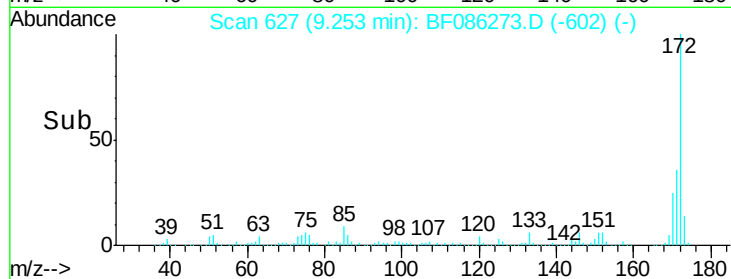
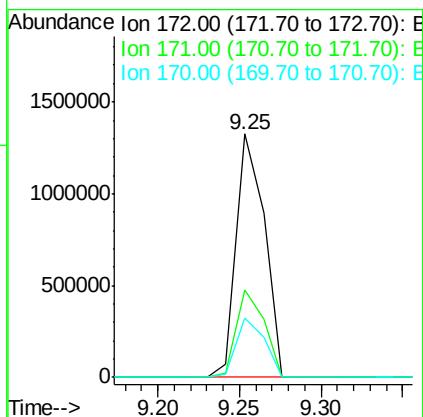
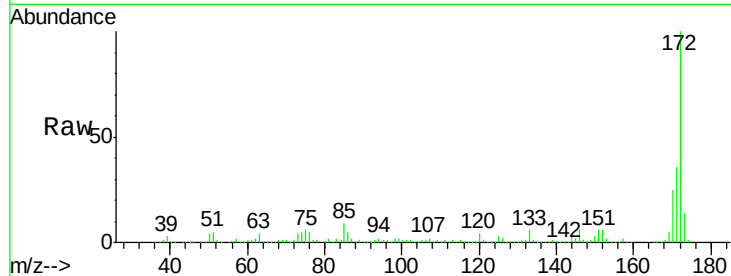




#44
 2-Fluorobiphenyl
 Concen: 69.36 ng
 RT: 9.25 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF086273.D
 Acq: 16 Apr 2016 18:37

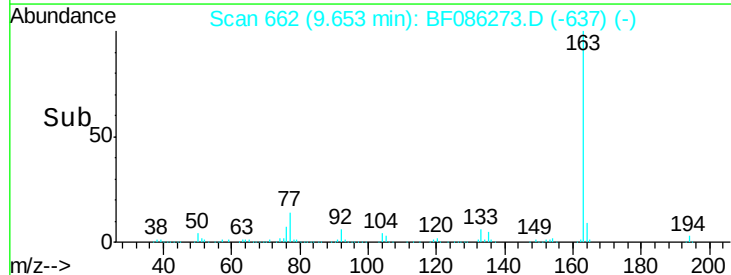
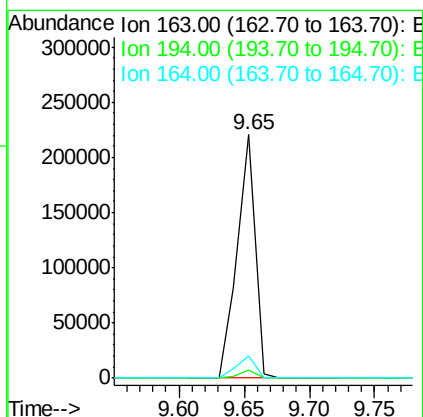
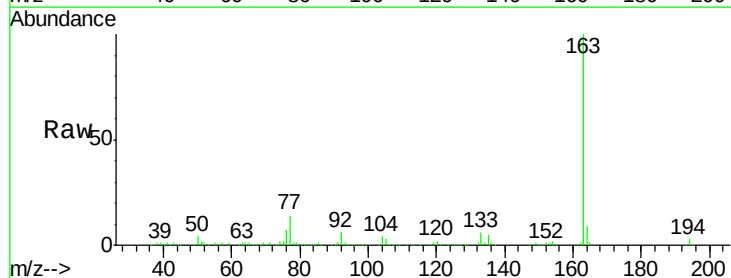
Instrument :
 BNA_F
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 SP-2-E-5(0-2)

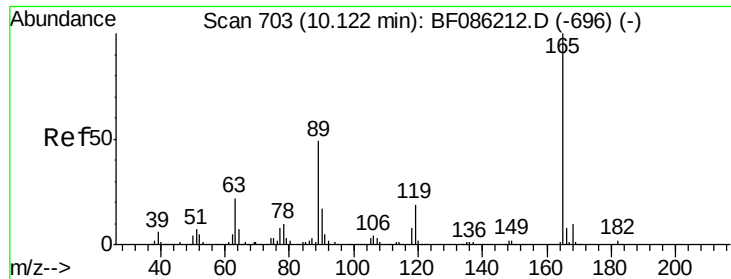
Tgt Ion:172 Resp: 1575298
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.1 43.7
 170 24.6 19.9 29.9



#49
 Dimethylphthalate
 Concen: 6.92 ng
 RT: 9.65 min Scan# 662
 Delta R.T. -0.01 min
 Lab File: BF086273.D
 Acq: 16 Apr 2016 18:37

Tgt Ion:163 Resp: 210774
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 9.3 8.4 12.6

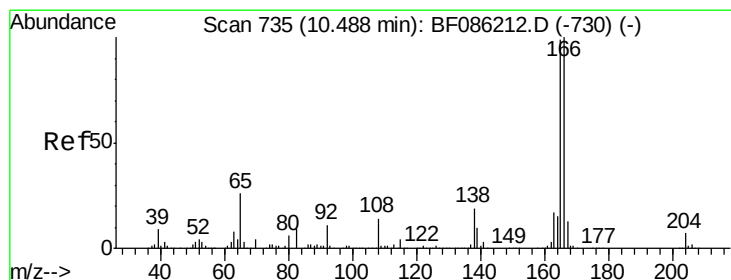
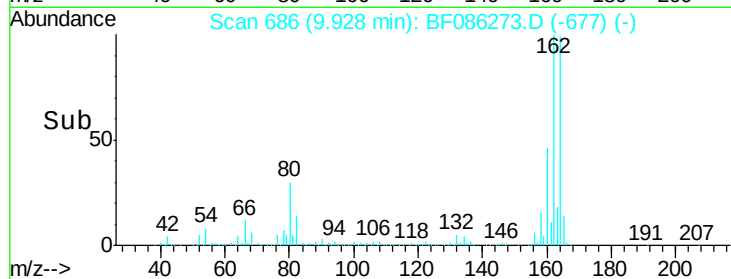
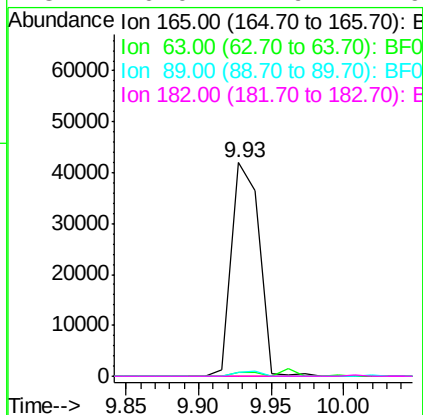
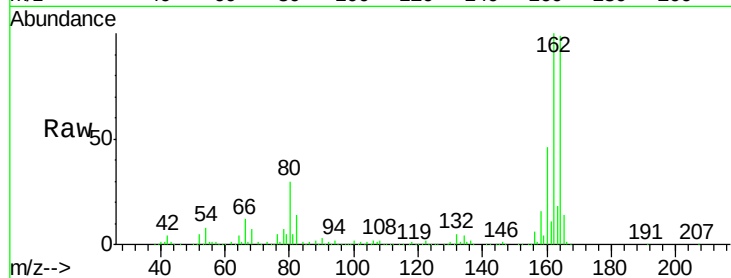




#56
2,4-Dinitrotoluene
Concen: 6.43 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.19 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

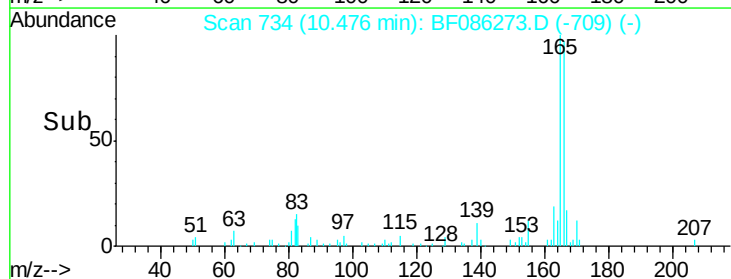
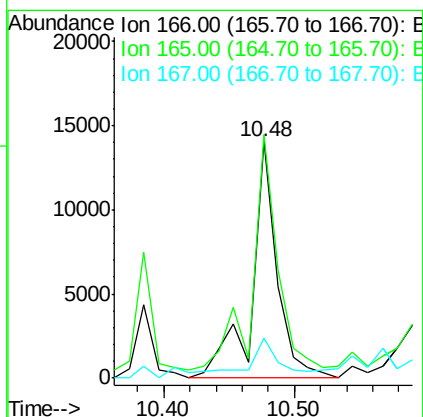
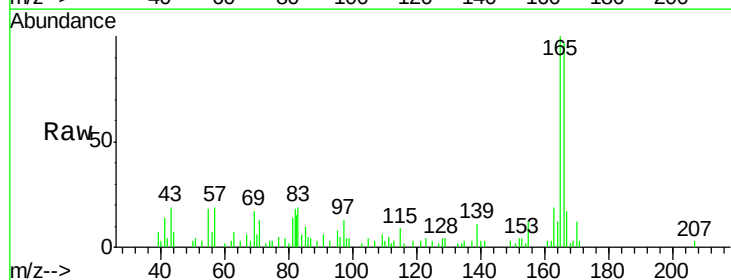
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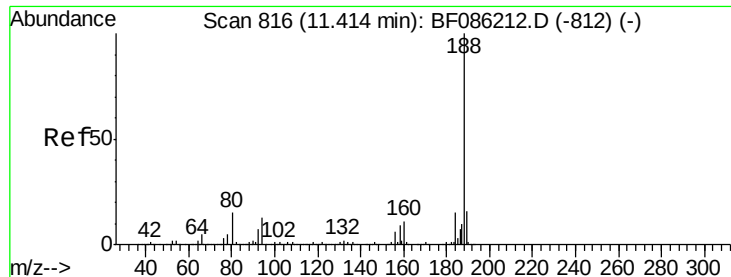
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	26.6	40.0#
89	1.6	49.5	74.3#
182	0.0	1.9	2.9#



#57
Fluorene
Concen: Below Cal
RT: 10.48 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.6	117.8
167	17.0	10.4	15.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

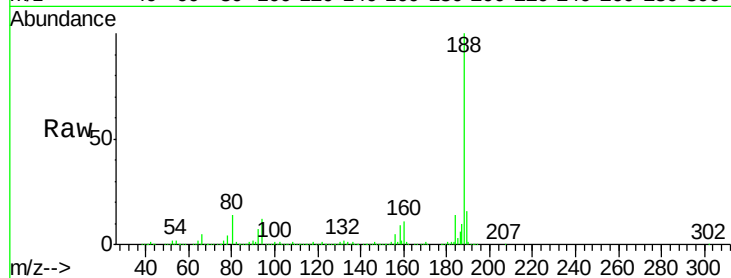
Tgt Ion:188 Resp: 616808

Ion Ratio Lower Upper

188 100

94 12.4 9.8 14.8

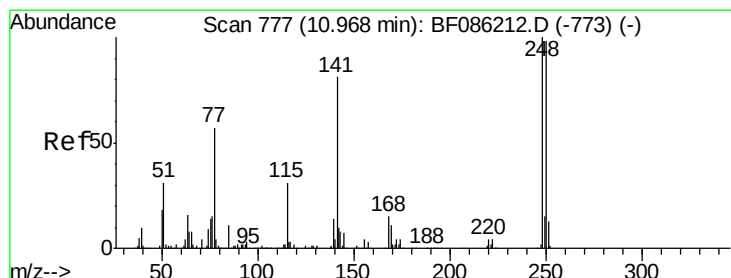
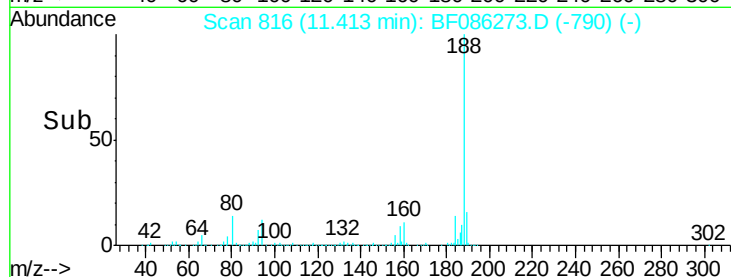
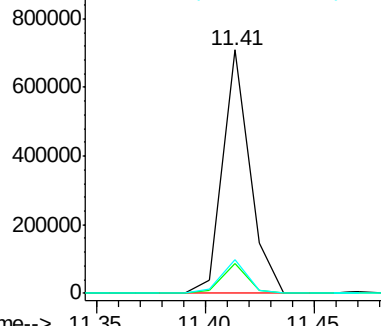
80 13.6 10.5 15.7



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



#66

4-Bromophenyl-phenylether

Concen: 2.86 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.25 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

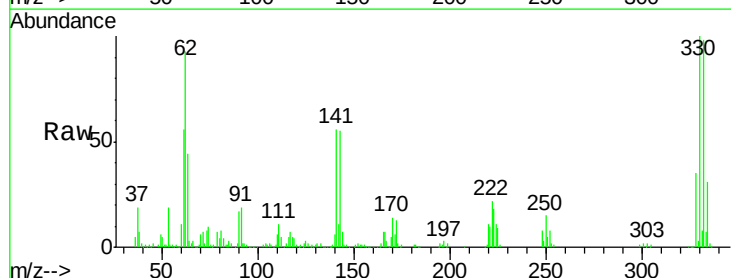
Tgt Ion:248 Resp: 16414

Ion Ratio Lower Upper

248 100

250 199.7 78.6 118.0#

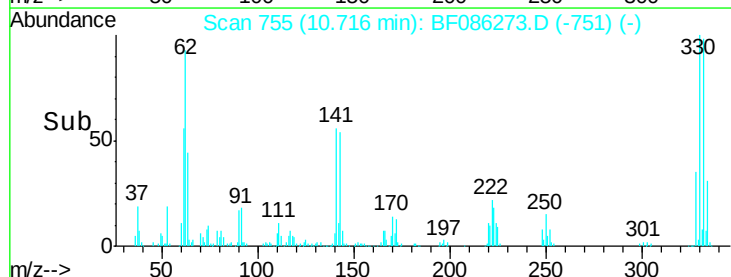
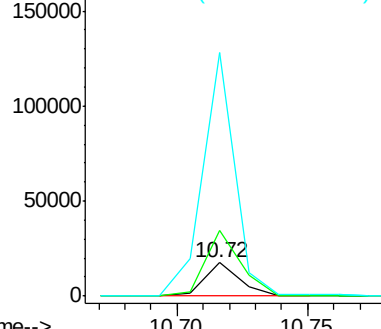
141 734.4 57.9 86.9#

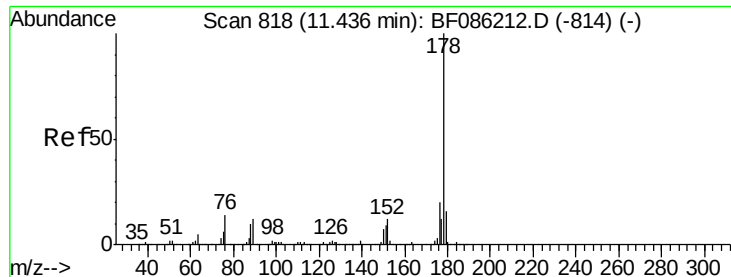


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.45 ng

RT: 11.44 min Scan# 818

Delta R.T. 0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

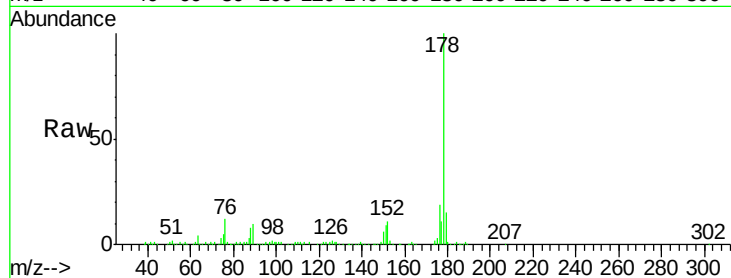
Tgt Ion:178 Resp: 160427

Ion Ratio Lower Upper

178 100

176 18.6 16.3 24.5

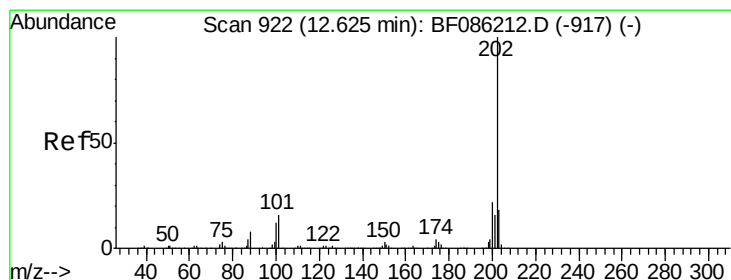
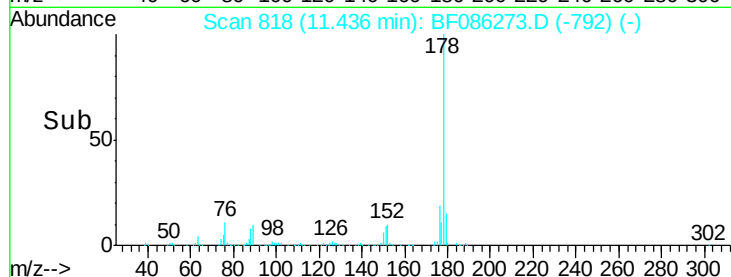
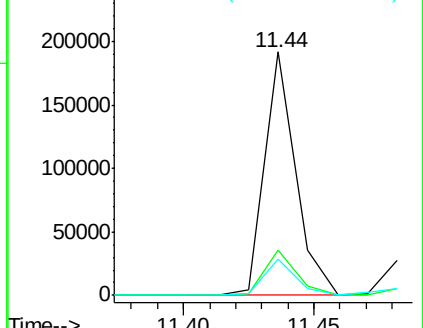
179 15.0 13.0 19.6



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



#74

Fluoranthene

Concen: 10.77 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

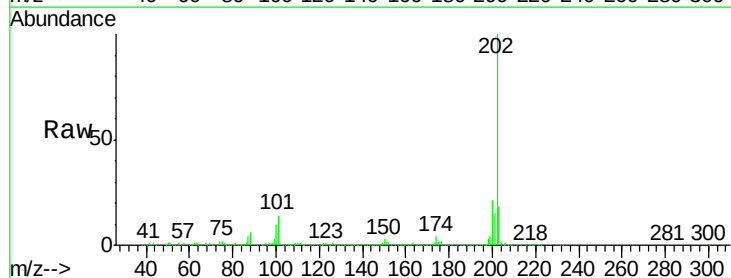
Tgt Ion:202 Resp: 381665

Ion Ratio Lower Upper

202 100

101 14.4 0.0 35.2

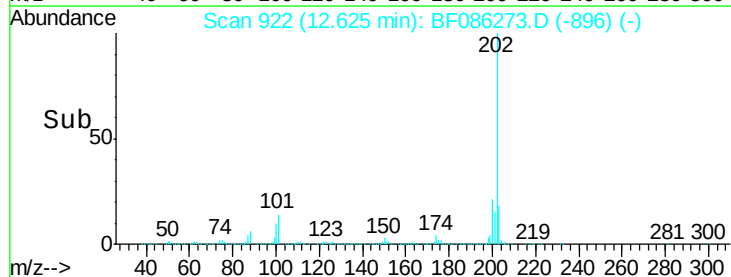
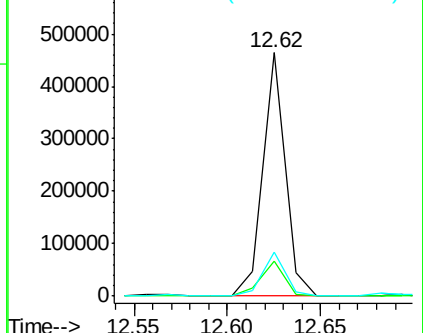
203 17.8 0.0 38.2

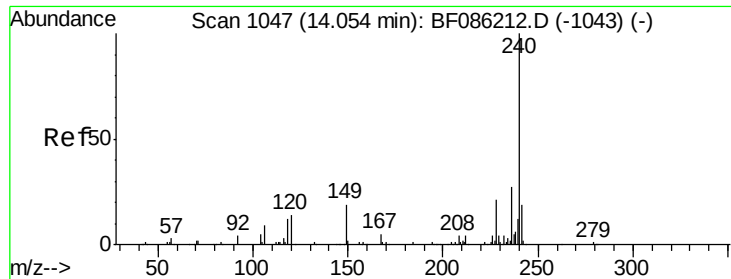


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

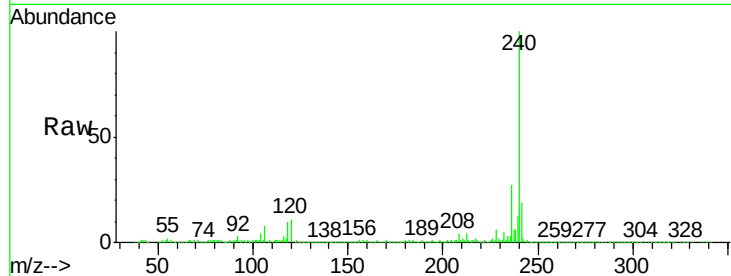
Tgt Ion:240 Resp: 592681

Ion Ratio Lower Upper

240 100

120 11.4 9.3 13.9

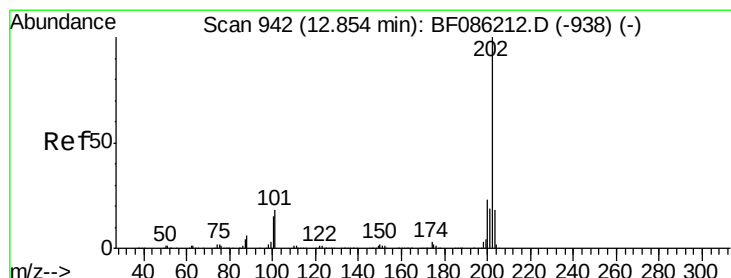
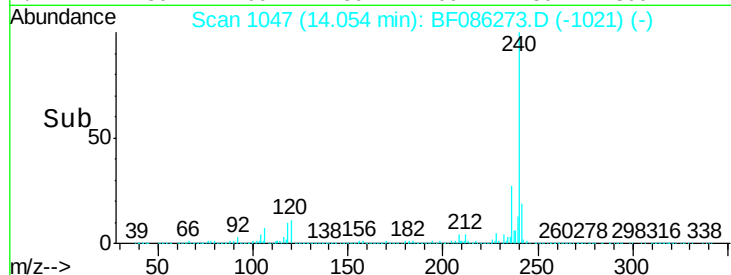
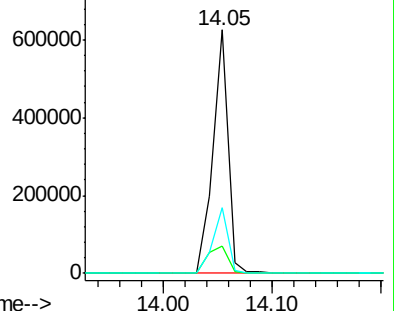
236 26.8 21.1 31.7



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: 8.51 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

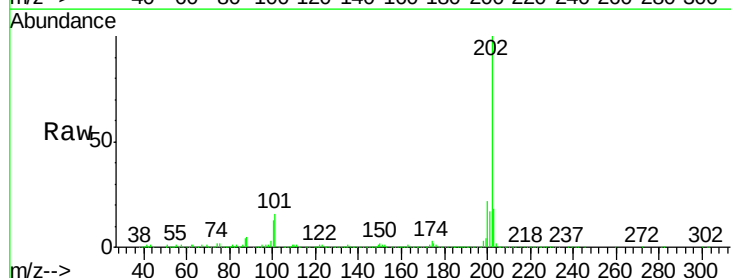
Tgt Ion:202 Resp: 386981

Ion Ratio Lower Upper

202 100

200 21.8 18.3 27.5

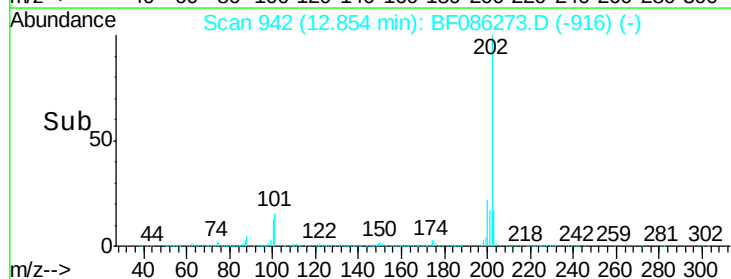
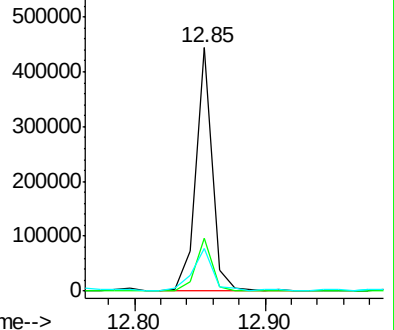
203 17.6 14.9 22.3

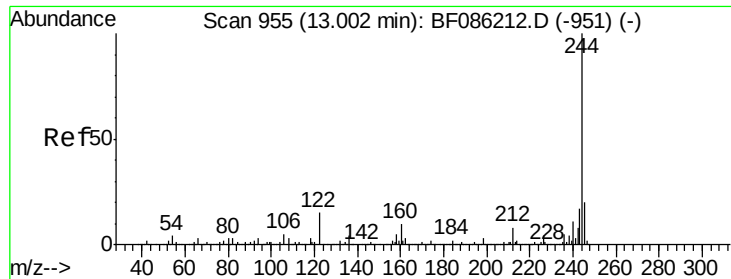


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.88 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

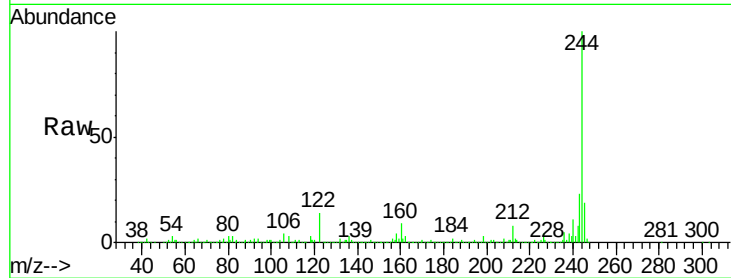
Tgt Ion:244 Resp: 987185

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

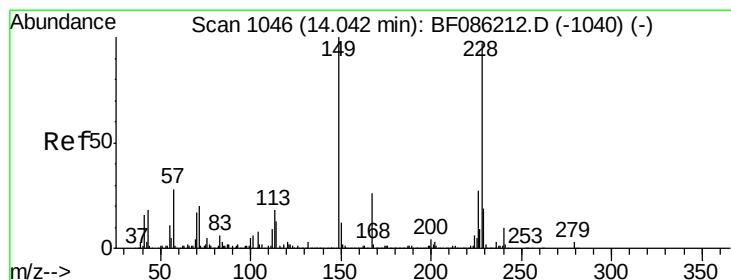
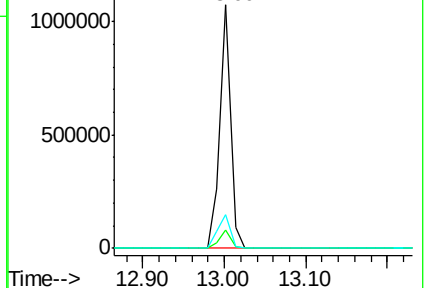
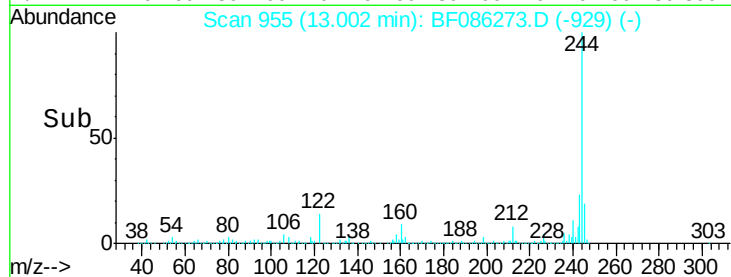
122 14.1 11.7 17.5



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: 6.80 ng

RT: 14.04 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

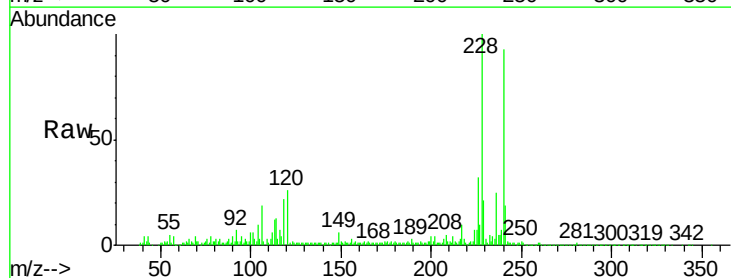
Tgt Ion:228 Resp: 221254

Ion Ratio Lower Upper

228 100

226 32.1 22.5 33.7

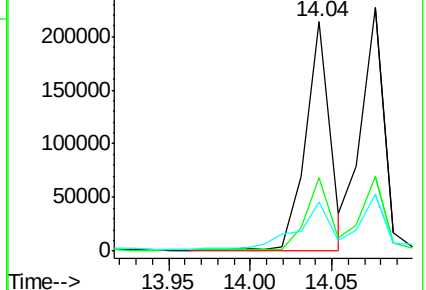
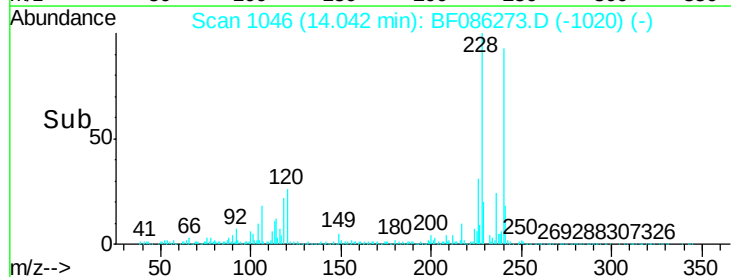
229 21.2 16.2 24.2

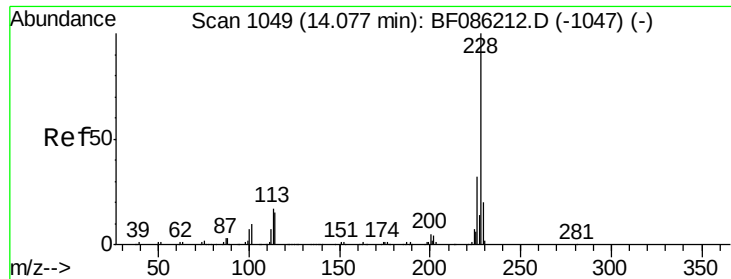


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

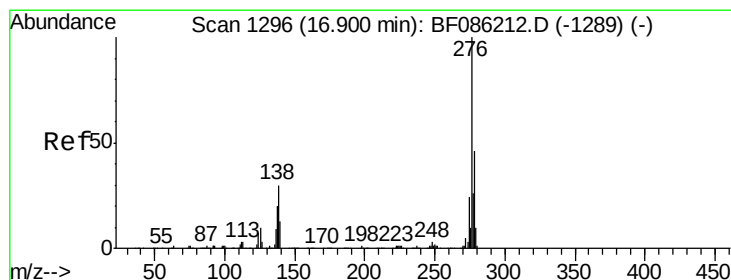
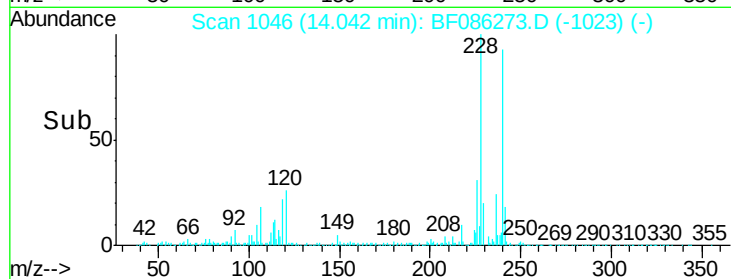
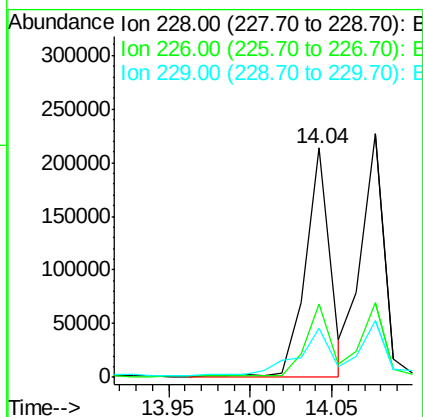
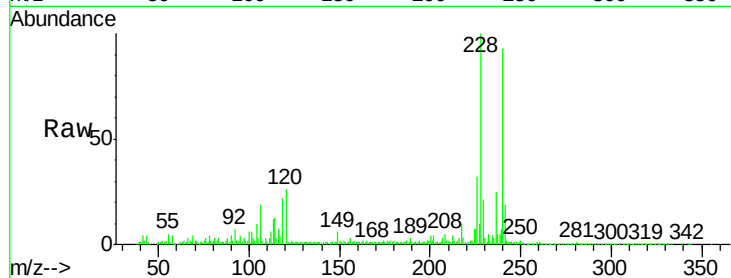




#82
Chrysene
Concen: 6.38 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.03 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

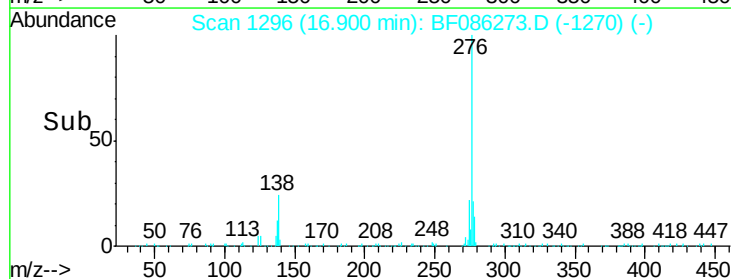
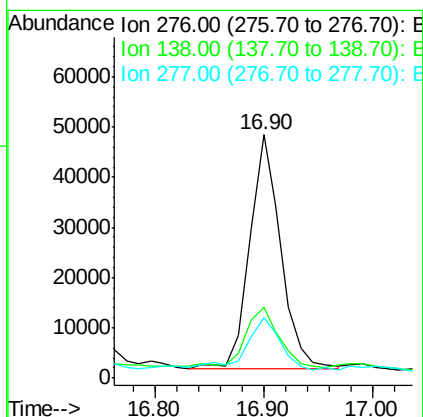
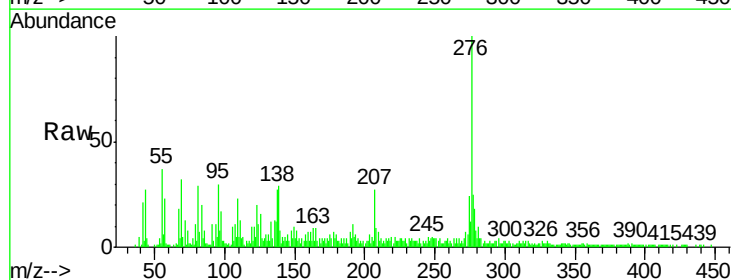
Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

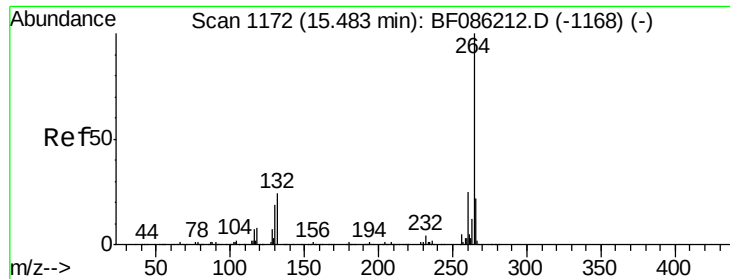
Tgt Ion: 228 Resp: 221254
Ion Ratio Lower Upper
228 100
226 32.1 25.4 38.2
229 21.2 16.5 24.7



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.23 ng
RT: 16.90 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion: 276 Resp: 92022
Ion Ratio Lower Upper
276 100
138 27.9 23.8 35.6
277 26.1 20.2 30.2

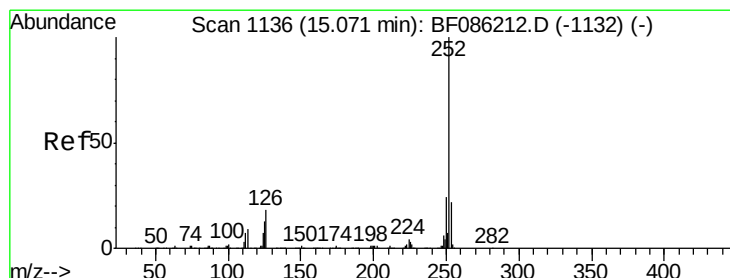
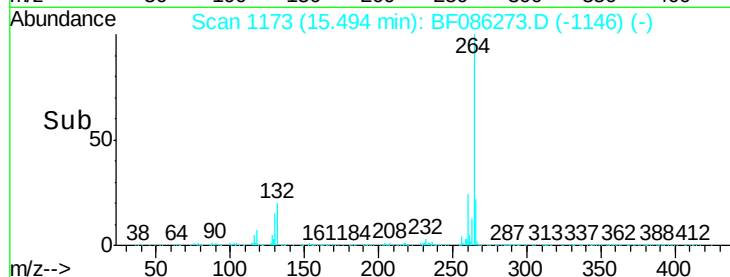
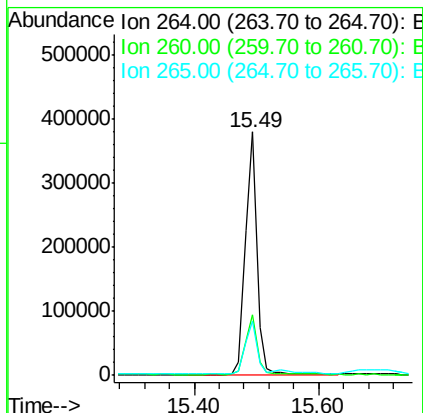
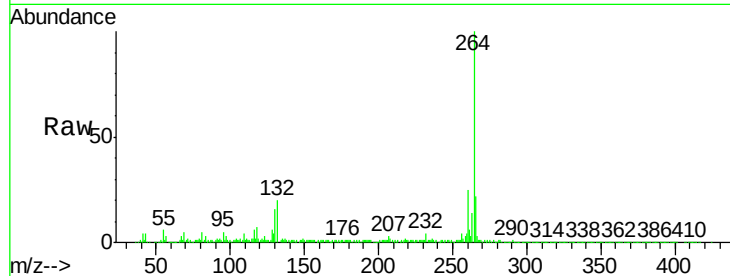




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

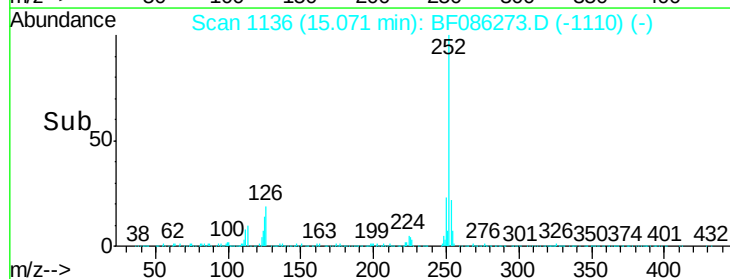
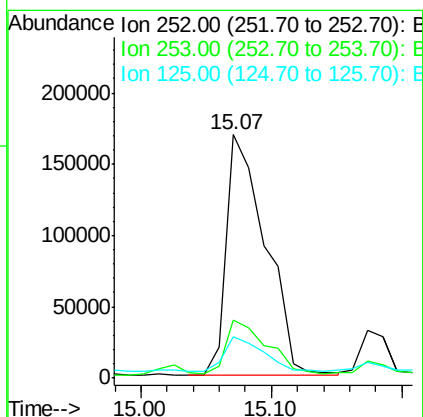
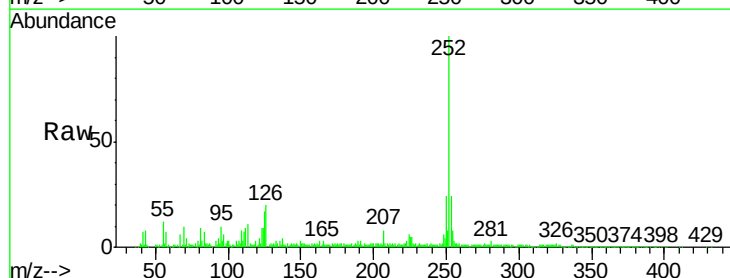
Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

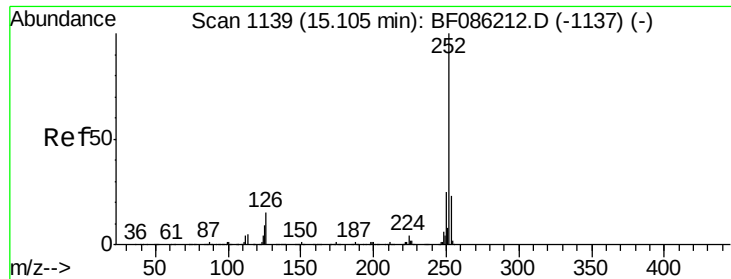
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.0	30.0
265	22.3	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 11.61 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	17.0	10.3	15.5

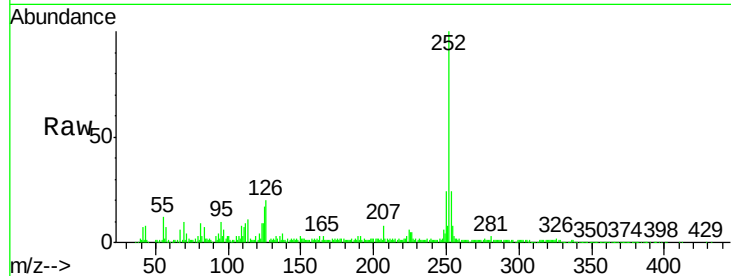




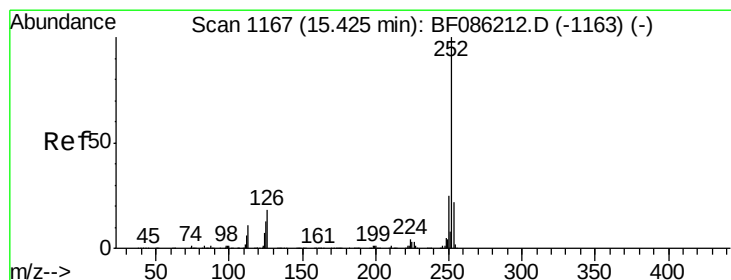
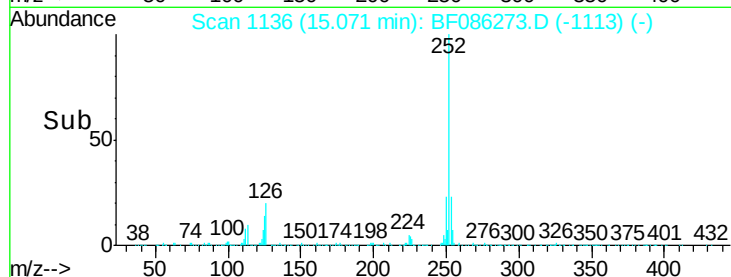
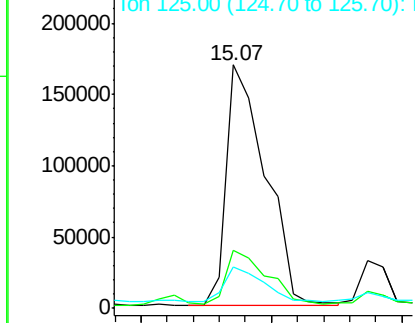
#88
Benzo(k)fluoranthene
Concen: 12.73 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.03 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Instrument :
BNA_F
ClientSampleId :
SP-2-E-5(0-2)

Tgt Ion: 252 Resp: 355765
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 17.0 7.8 11.6#

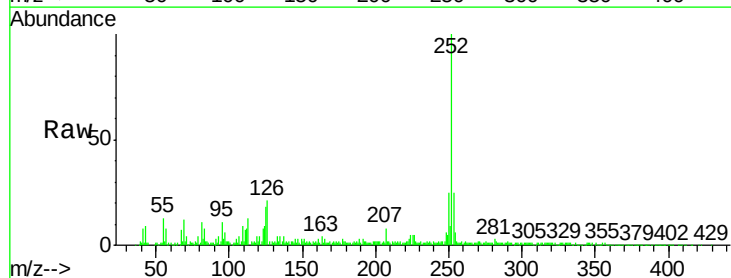


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

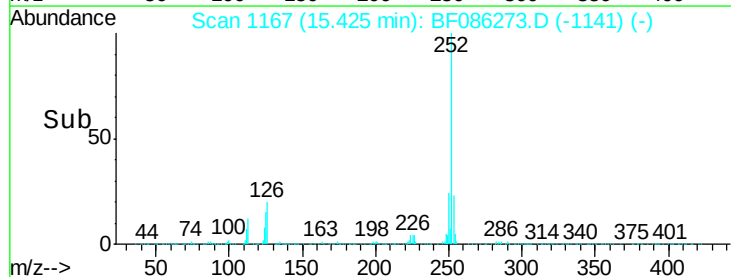
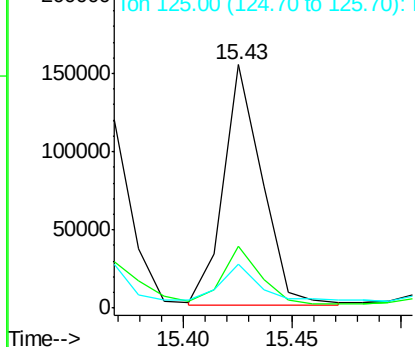


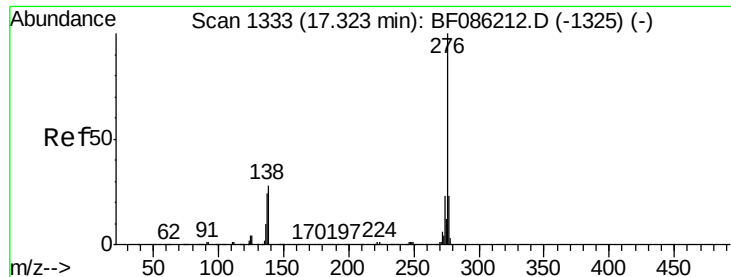
#89
Benzo(a)pyrene
Concen: 7.08 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF086273.D
Acq: 16 Apr 2016 18:37

Tgt Ion: 252 Resp: 187836
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 18.2 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: 4.03 ng

RT: 17.32 min Scan# 1333

Delta R.T. -0.00 min

Lab File: BF086273.D

Acq: 16 Apr 2016 18:37

Instrument :

BNA_F

ClientSampleId :

SP-2-E-5(0-2)

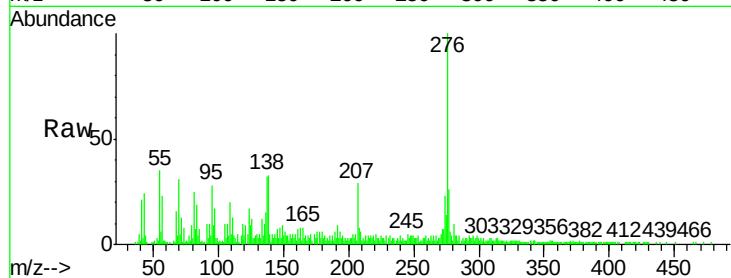
Tgt Ion: 276 Resp: 100621

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.6

138 33.1 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

