

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088629.D
 Acq On : 2 Jul 2016 21:02
 Operator : UM/SJ
 Sample : H3847-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Quant Time: Jul 03 03:05:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

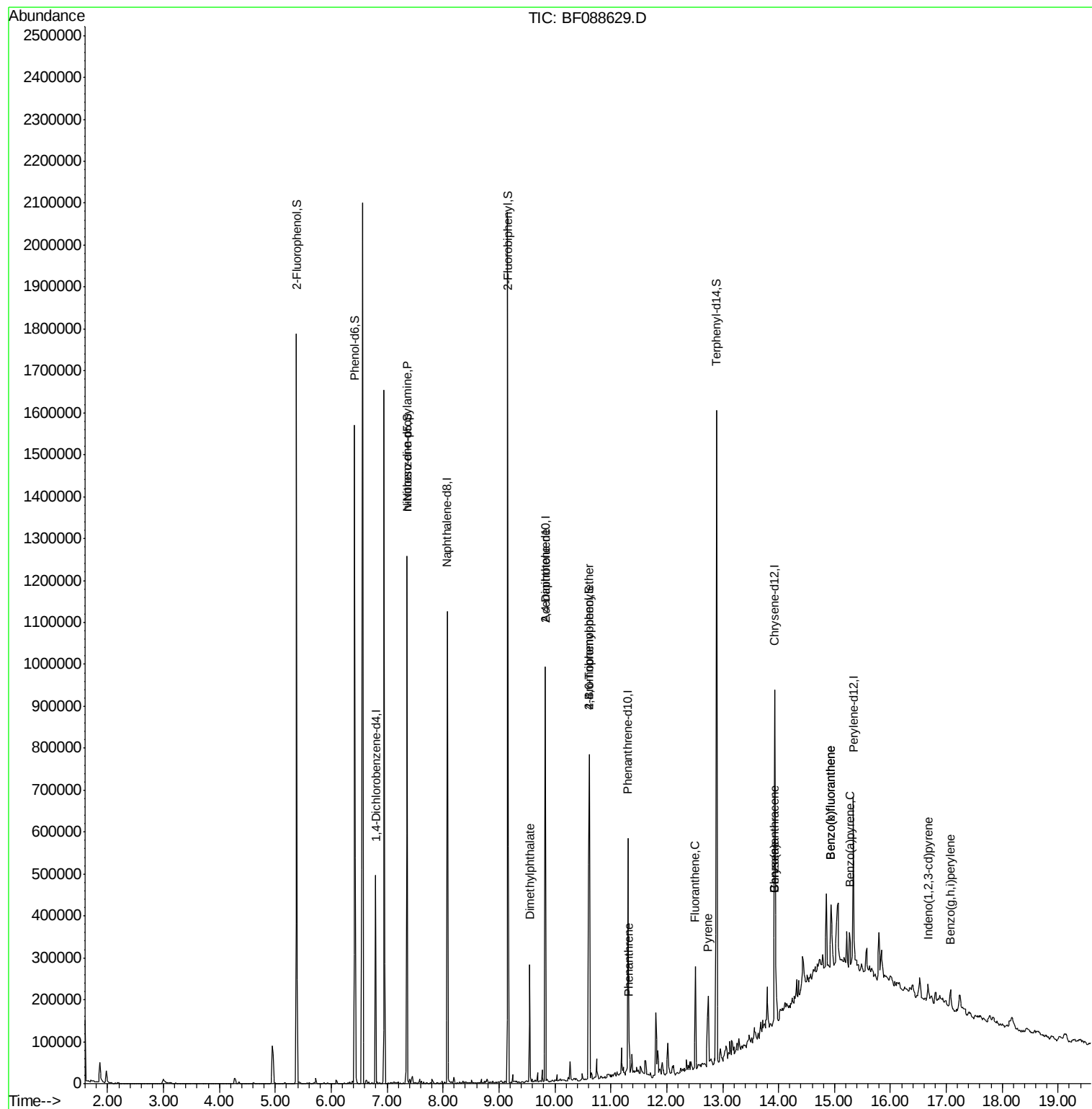
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111000	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	436310	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	172177	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	244653	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	221029	20.00	ng	-0.02
86) Perylene-d12	15.34	264	182615	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	478295	64.58	ng	-0.02
7) Phenol-d6	6.42	99	614915	64.25	ng	-0.02
23) Nitrobenzene-d5	7.36	82	463331	55.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	110845	69.33	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	638617	58.59	ng	-0.02
78) Terphenyl-d14	12.89	244	422142	42.54	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	61390	9.55	ng	Qvalue # 69
49) Dimethylphthalate	9.55	163	131040	10.68	ng	98
56) 2,4-Dinitrotoluene	9.83	165	22556	6.35	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	7207	2.92	ng	# 1
70) Phenanthrene	11.32	178	31037	2.32	ng	99
74) Fluoranthene	12.51	202	84322	6.22	ng	97
77) Pyrene	12.74	202	80261	4.28	ng	98
80) Benzo(a)anthracene	13.92	228	68354	4.80	ng	93
82) Chrysene	13.92	228	68354	4.85	ng	98
85) Indeno(1,2,3-cd)pyrene	16.67	276	24576	2.27	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	100604	8.78	ng	# 91
88) Benzo(k)fluoranthene	14.94	252	100604	10.09	ng	96
89) Benzo(a)pyrene	15.27	252	41969	4.33	ng	# 90
91) Benzo(g,h,i)perylene	17.07	276	37170	4.43	ng	93

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

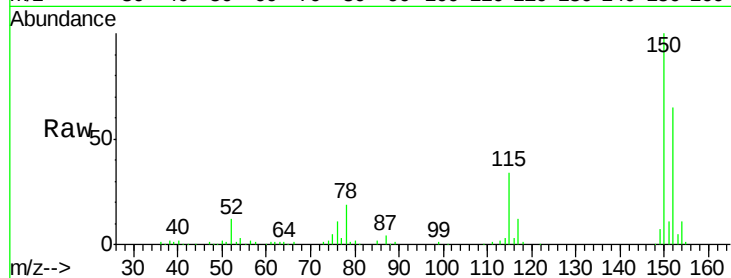
Tgt Ion:152 Resp: 111000

Ion Ratio Lower Upper

152 100

150 154.0 123.8 185.6

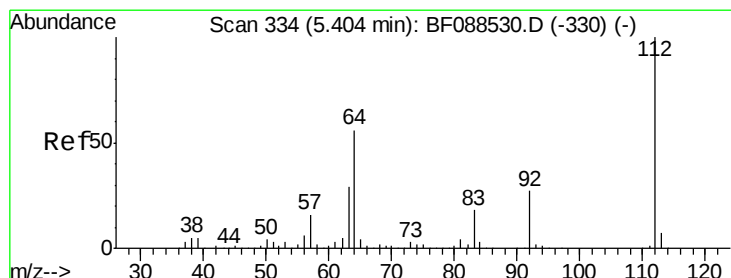
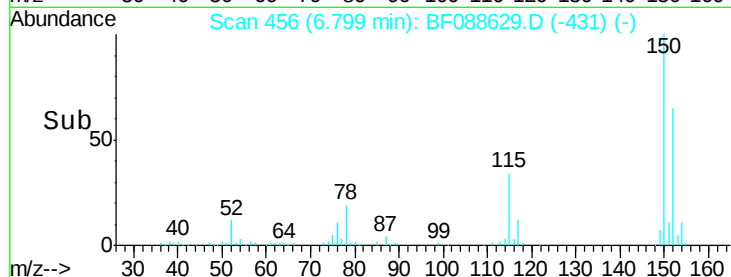
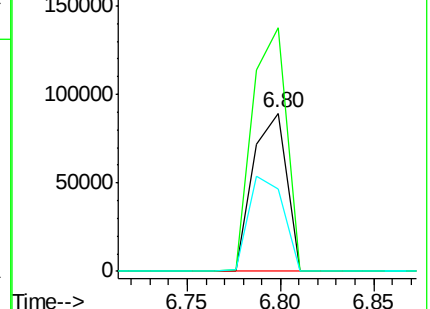
115 52.4 39.6 59.4



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: 64.58 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

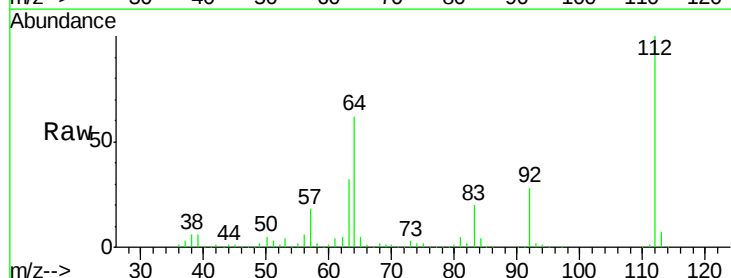
Tgt Ion:112 Resp: 478295

Ion Ratio Lower Upper

112 100

64 61.6 42.2 63.2

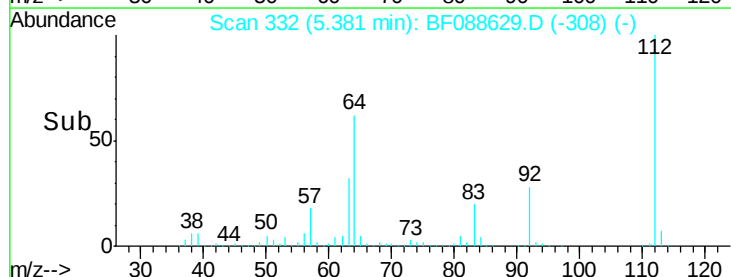
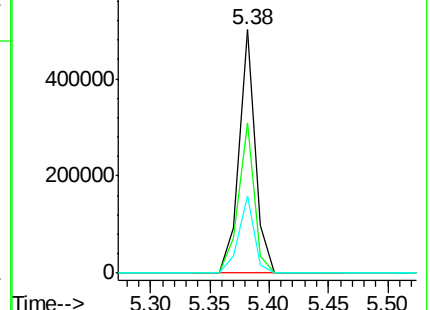
63 31.9 21.8 32.8



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: 64.25 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

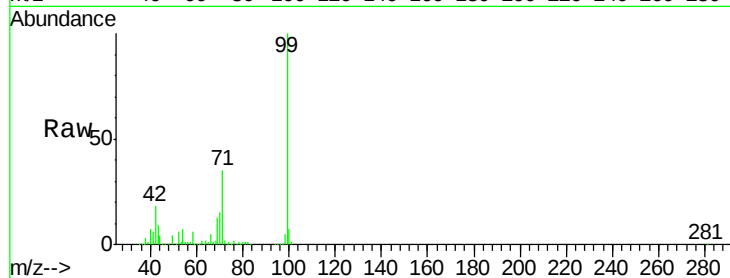
Tgt Ion: 99 Resp: 614915

Ion Ratio Lower Upper

99 100

42 18.0 12.2 18.2

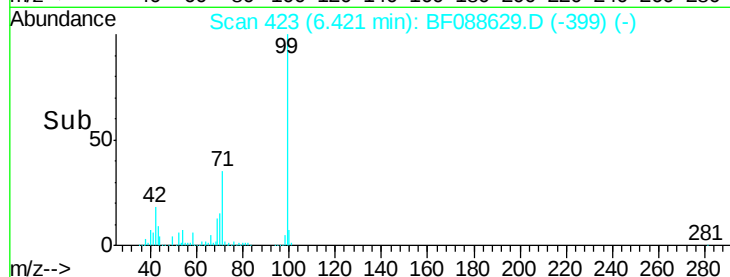
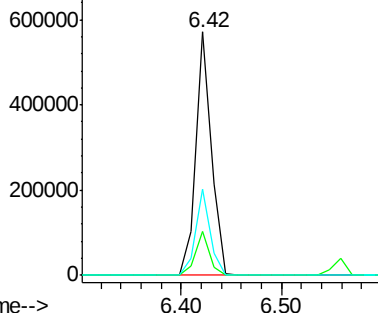
71 35.4 23.4 35.0#



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: 9.55 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Tgt Ion: 70 Resp: 61390

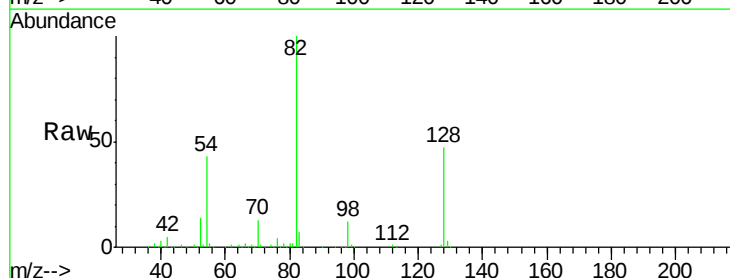
Ion Ratio Lower Upper

70 100

42 39.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

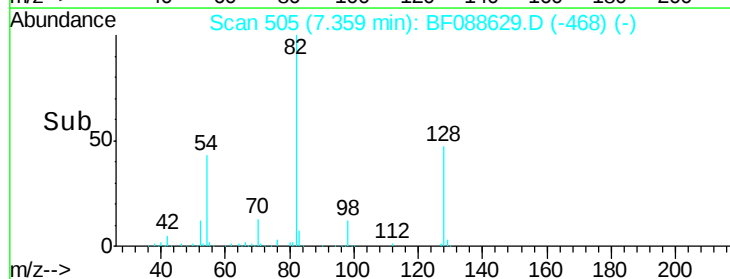
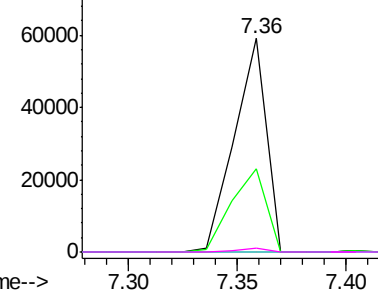


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

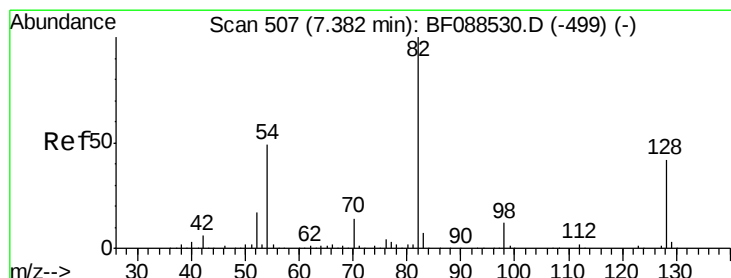
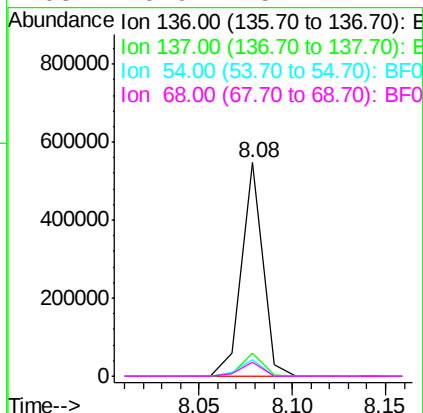
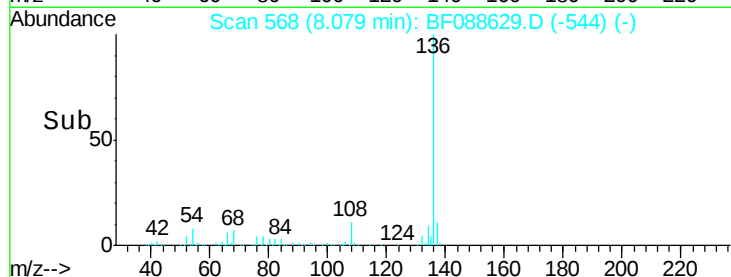
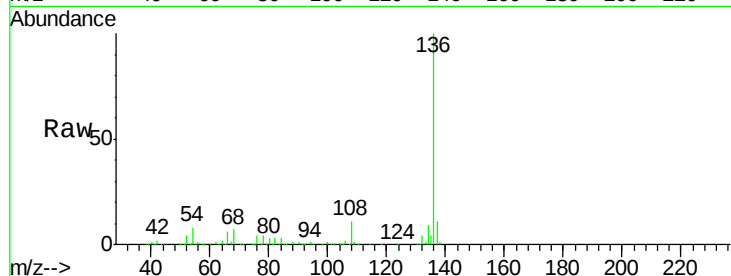




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

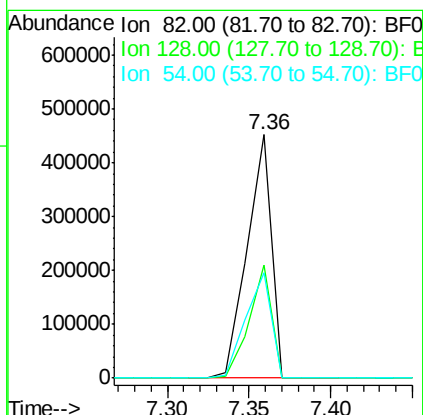
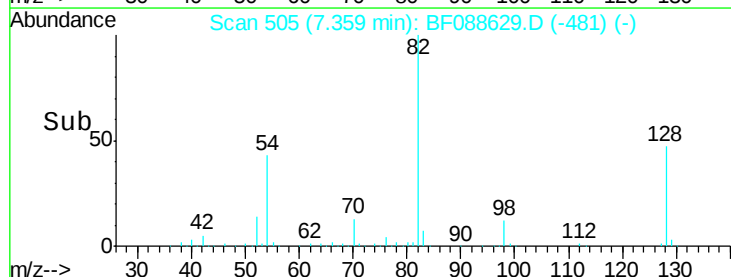
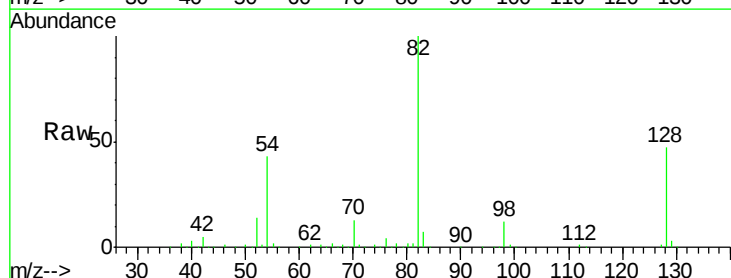
Instrument :
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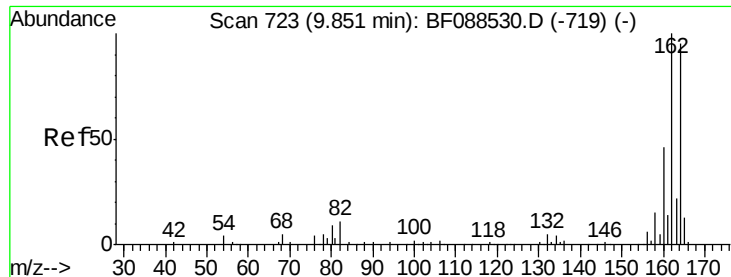
Tgt Ion:	136	Resp:	436310
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.0	6.6	10.0
68	6.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 55.65 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:	82	Resp:	463331
Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.9	53.9
54	43.3	40.9	61.3

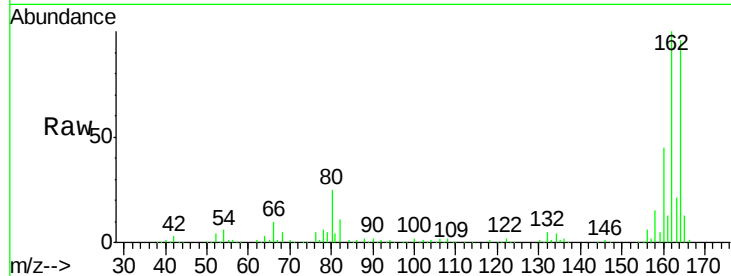




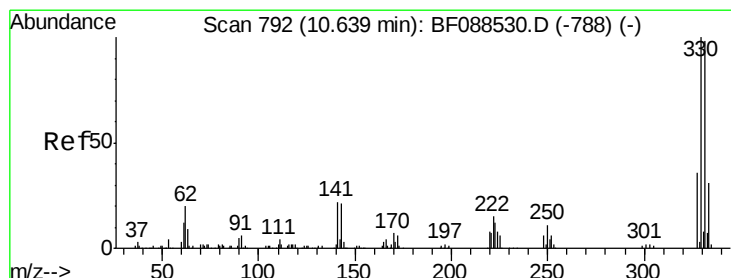
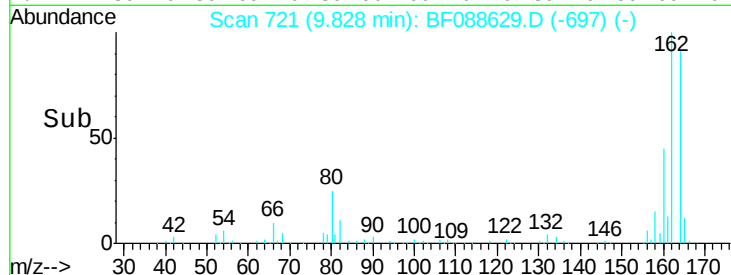
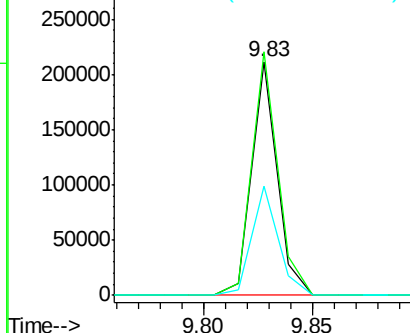
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion:164 Resp: 172177
 Ion Ratio Lower Upper
 164 100
 162 104.0 85.4 128.2
 160 46.4 39.5 59.3

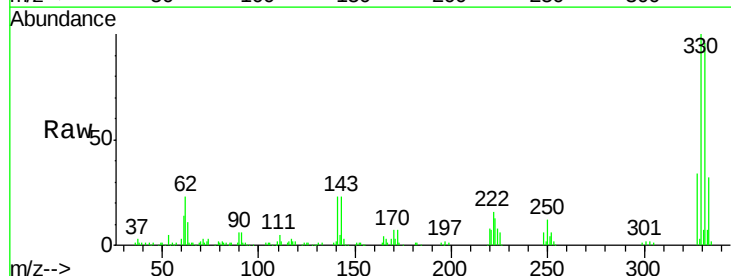


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

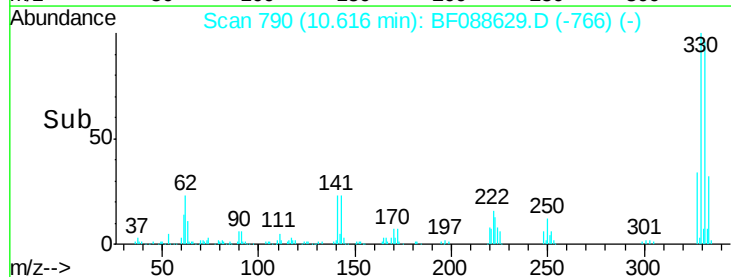
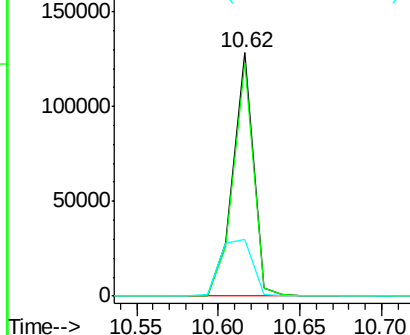


#41
 2,4,6-Tribromophenol
 Concen: 69.33 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion:330 Resp: 110845
 Ion Ratio Lower Upper
 330 100
 332 95.3 0.0 0.0#
 141 37.1 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

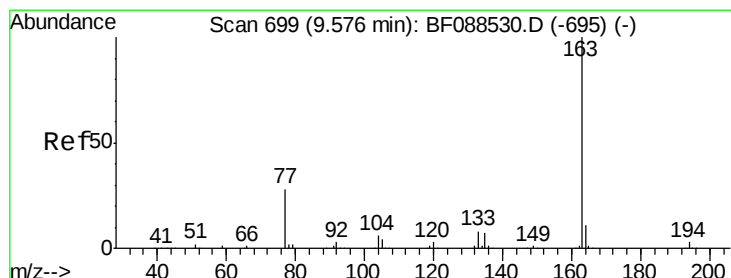
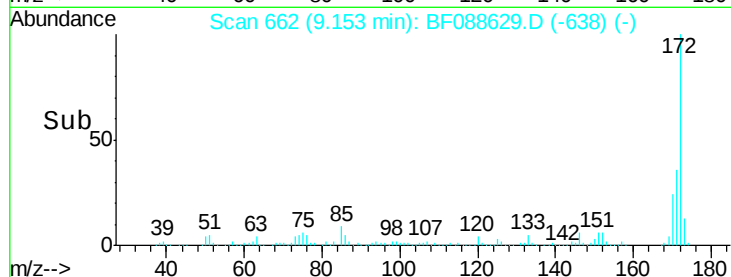
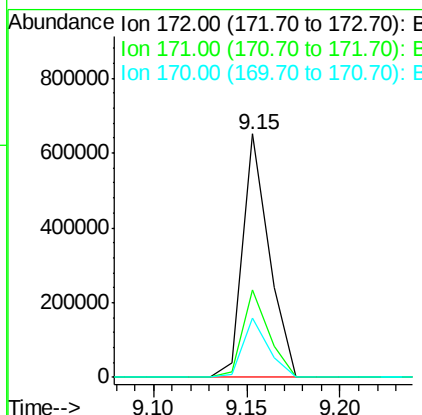
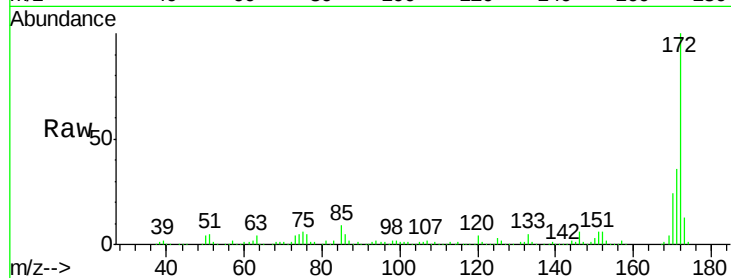




#44
 2-Fluorobiphenyl
 Concen: 58.59 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

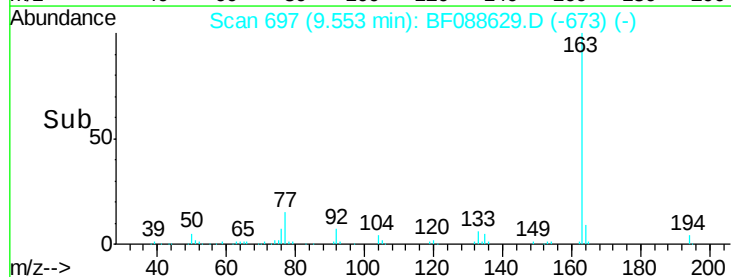
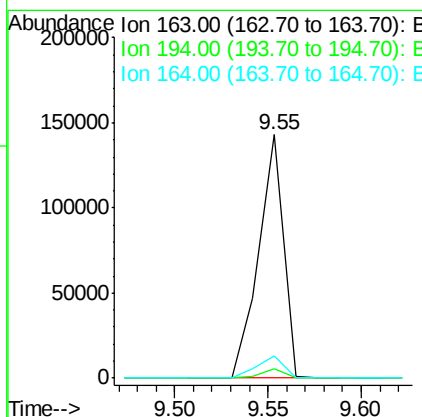
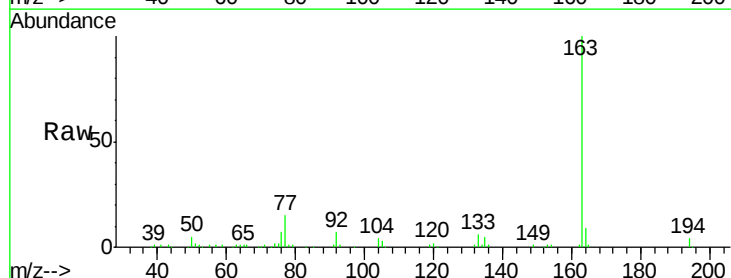
Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

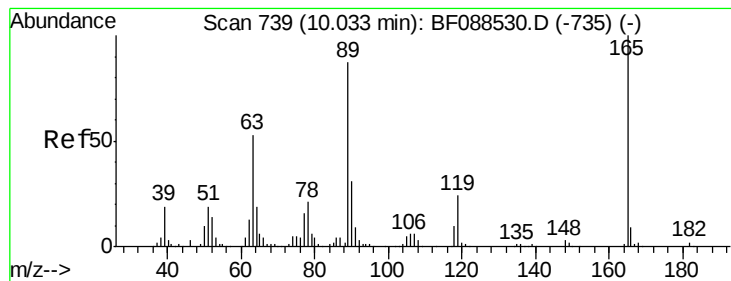
Tgt Ion:172 Resp: 638617
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 43.0
 170 24.2 19.2 28.8



#49
 Dimethylphthalate
 Concen: 10.68 ng
 RT: 9.55 min Scan# 697
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion:163 Resp: 131040
 Ion Ratio Lower Upper
 163 100
 194 3.7 2.8 4.2
 164 9.4 8.3 12.5





#56

2,4-Dinitrotoluene

Concen: 6.35 ng

RT: 9.83 min Scan# 721

Delta R.T. -0.21 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

Tgt Ion:165 Resp: 22556

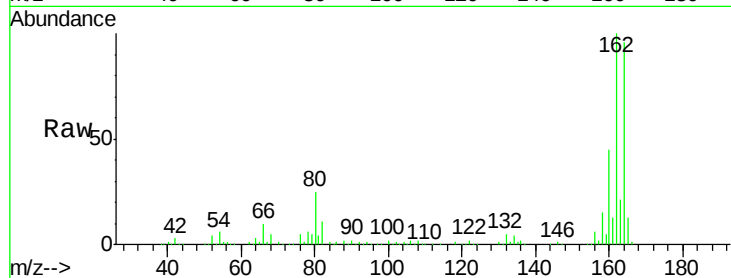
Ion Ratio Lower Upper

165 100

63 1.6 22.0 33.0#

89 1.8 41.1 61.7#

182 0.0 2.0 3.0#

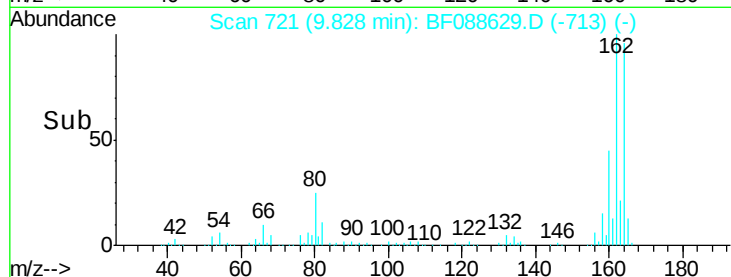


Abundance Ion 165.00 (164.70 to 165.70): E

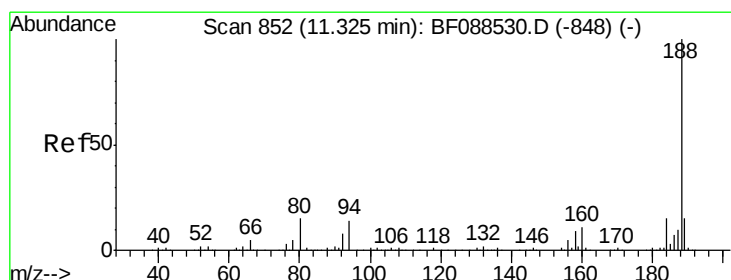
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

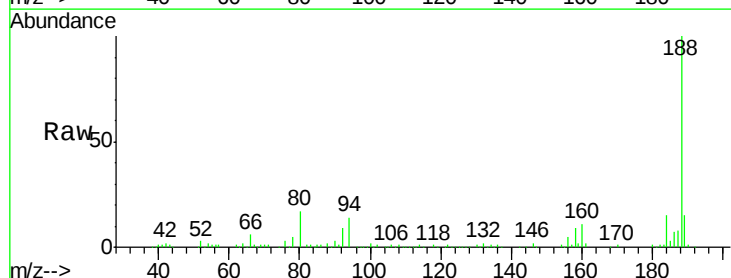
Tgt Ion:188 Resp: 244653

Ion Ratio Lower Upper

188 100

94 14.5 9.0 13.6#

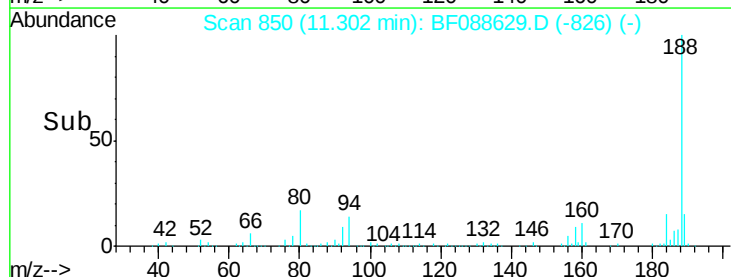
80 17.0 10.0 15.0#



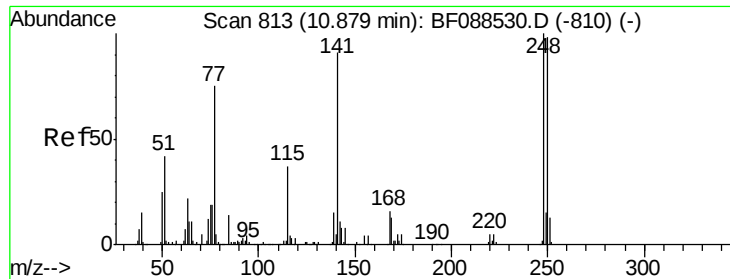
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



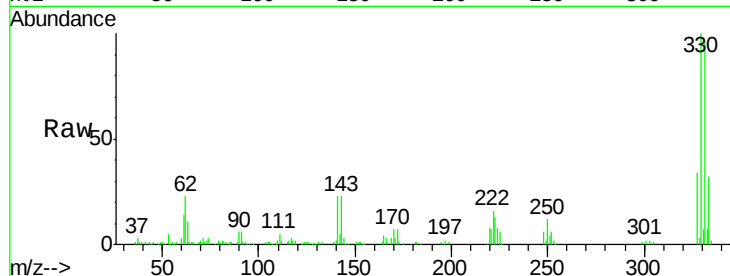
Time-->



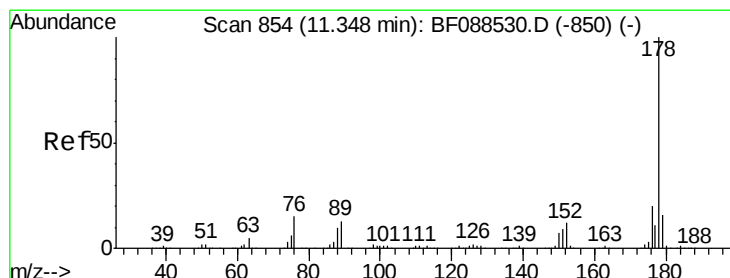
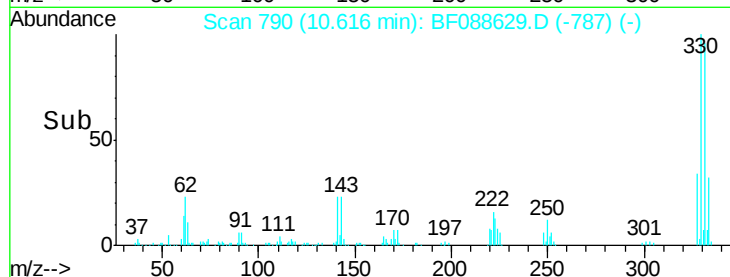
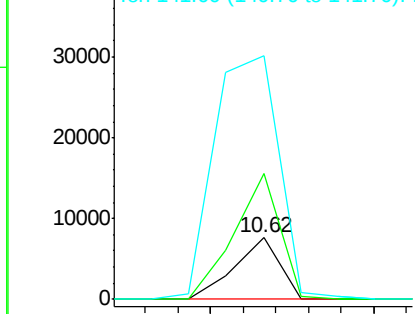
#66
 4-Bromophenyl-phenylether
 Concen: 2.92 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.26 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion:248 Resp: 7207
 Ion Ratio Lower Upper
 248 100
 250 204.3 77.1 115.7#
 141 395.4 50.6 76.0#

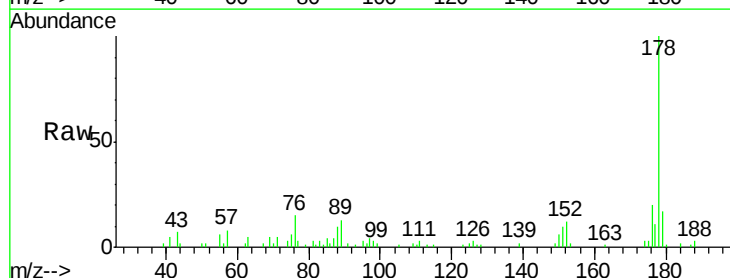


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

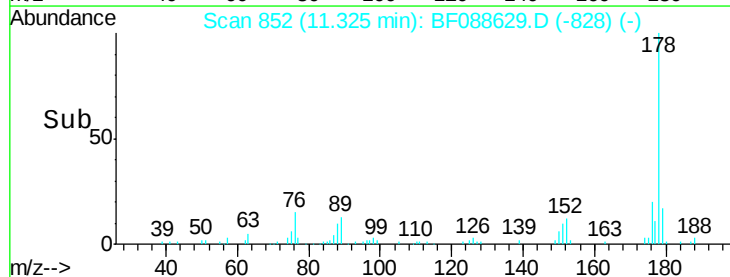
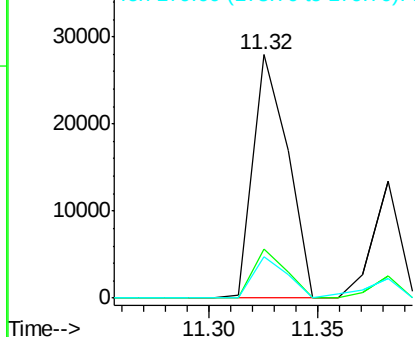


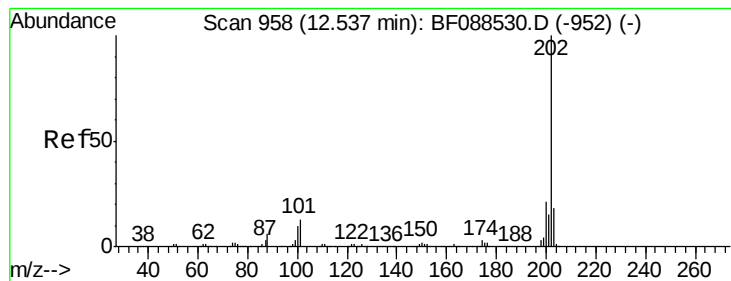
#70
 Phenanthrene
 Concen: 2.32 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion:178 Resp: 31037
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.8 23.6
 179 16.7 13.0 19.4



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





#74

Fluoranthene

Concen: 6.22 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

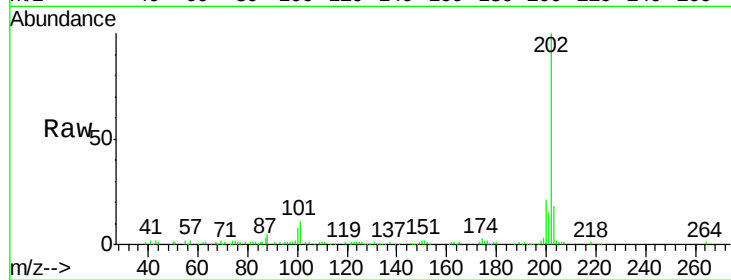
Tgt Ion:202 Resp: 84322

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.1

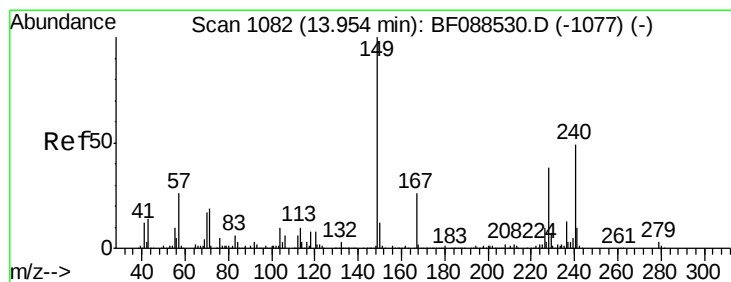
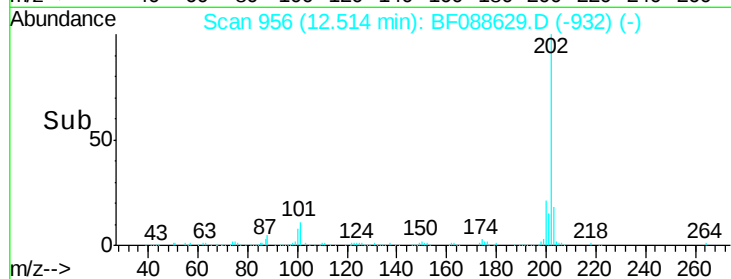
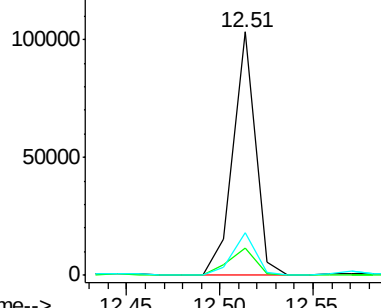
203 17.7 0.0 38.1



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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

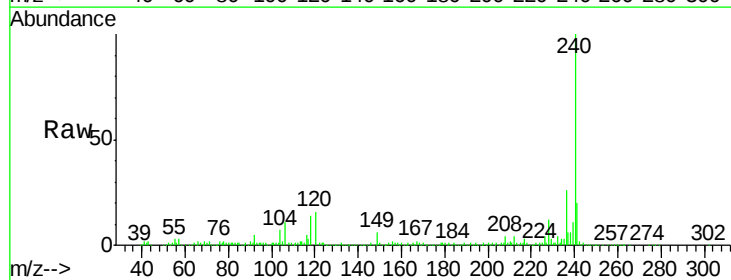
Tgt Ion:240 Resp: 221029

Ion Ratio Lower Upper

240 100

120 15.8 6.8 10.2#

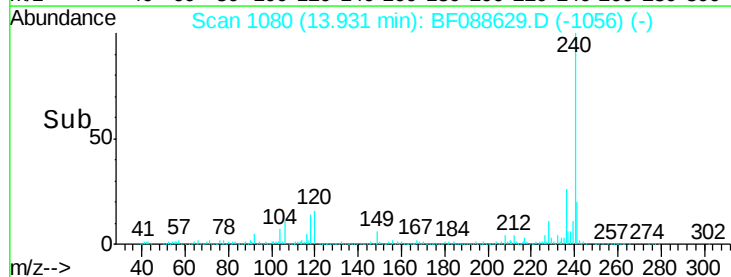
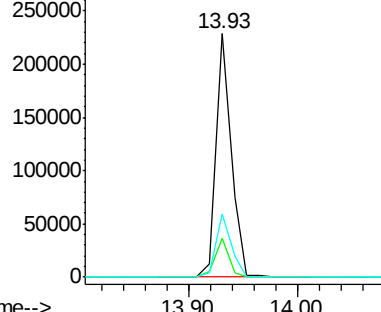
236 25.7 20.2 30.2

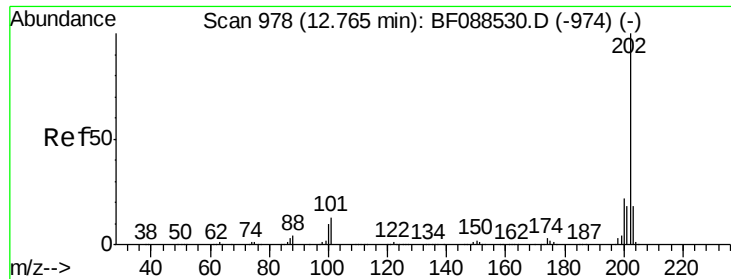


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

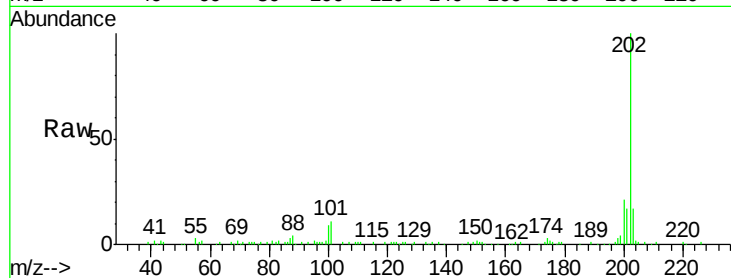




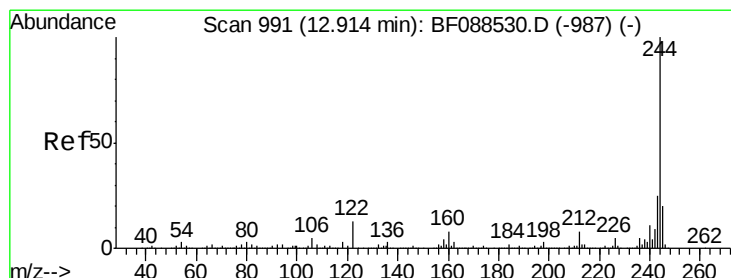
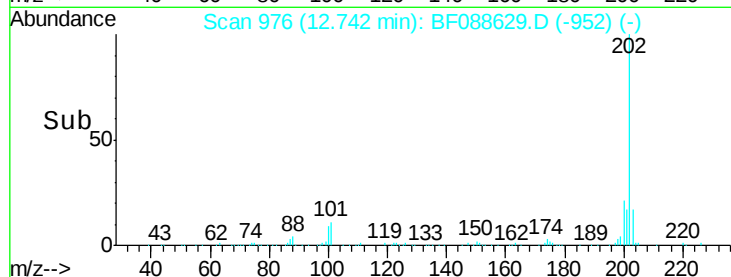
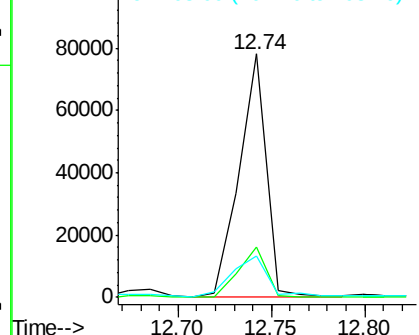
#77
 Pyrene
 Concen: 4.28 ng
 RT: 12.74 min Scan# 976
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Instrument :
 BNA_F
 ClientSampleId :
 R5-B2(0-6)C

Tgt Ion: 202 Resp: 80261
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.4 26.2
 203 17.1 14.5 21.7

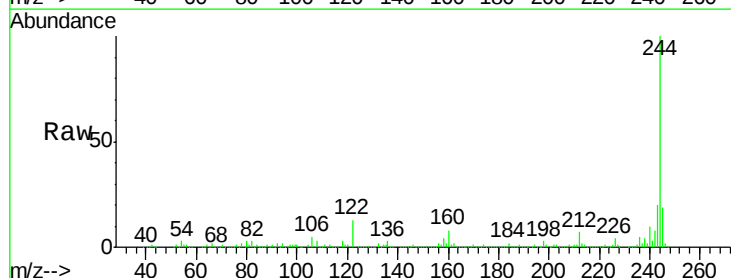


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

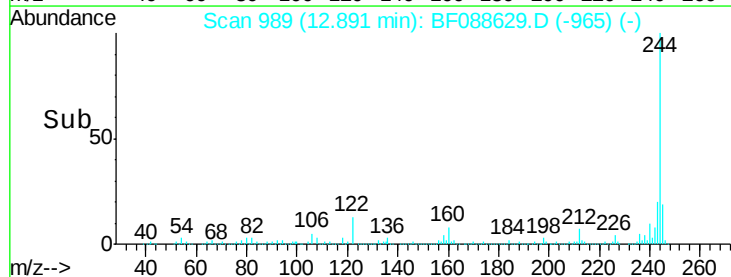
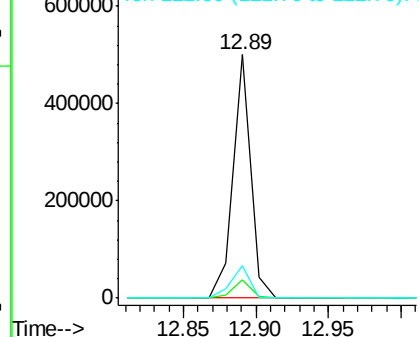


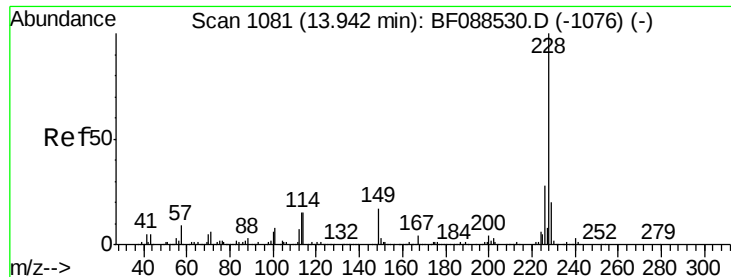
#78
 Terphenyl-d14
 Concen: 42.54 ng
 RT: 12.89 min Scan# 989
 Delta R.T. -0.02 min
 Lab File: BF088629.D
 Acq: 2 Jul 2016 21:02

Tgt Ion: 244 Resp: 422142
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 13.4 11.2 16.8



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: 4.80 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

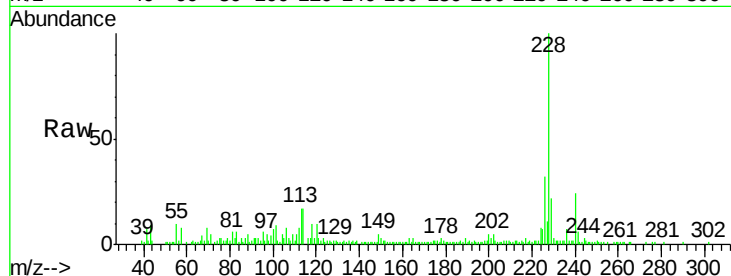
Tgt Ion:228 Resp: 68354

Ion Ratio Lower Upper

228 100

226 32.4 22.3 33.5

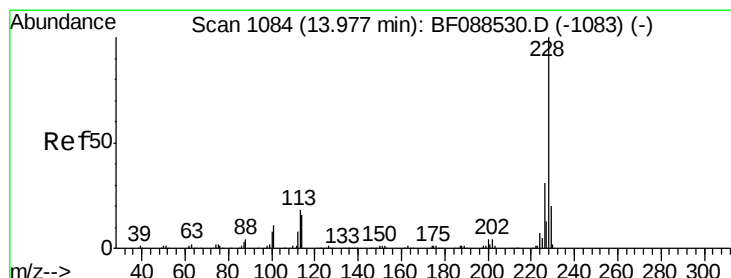
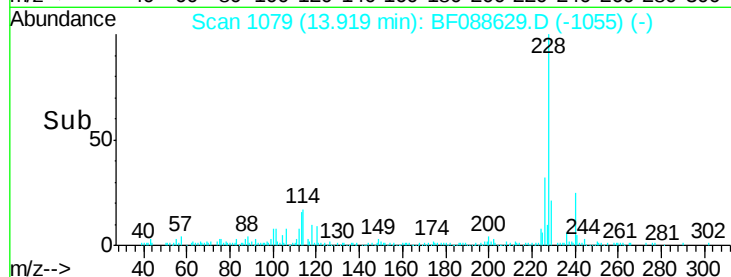
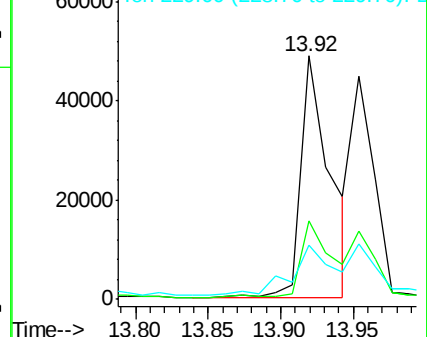
229 22.5 16.0 24.0



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: 4.85 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.06 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

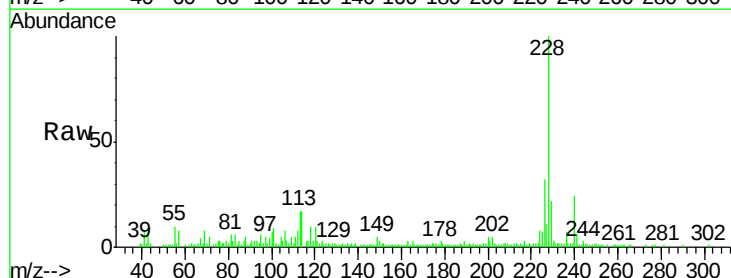
Tgt Ion:228 Resp: 68354

Ion Ratio Lower Upper

228 100

226 32.4 25.4 38.2

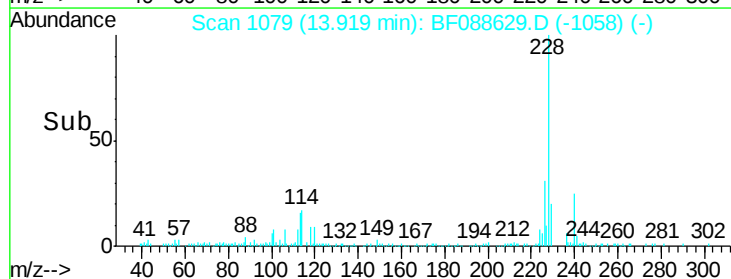
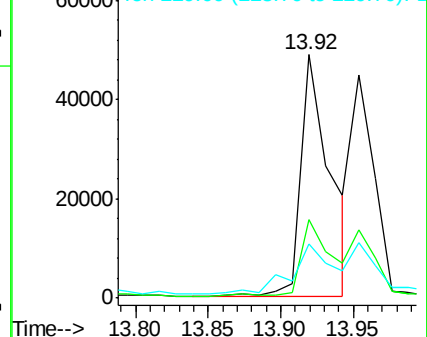
229 22.5 16.3 24.5

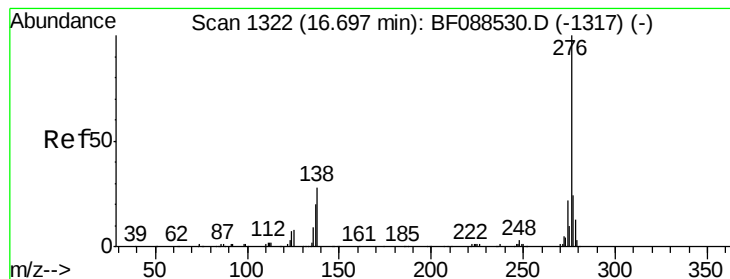


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.27 ng

RT: 16.67 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

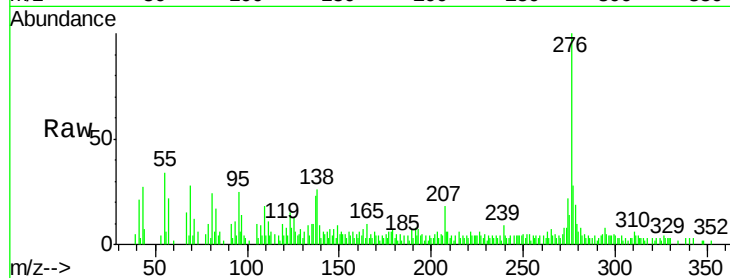
Tgt Ion:276 Resp: 24576

Ion Ratio Lower Upper

276 100

138 31.2 0.0 0.0#

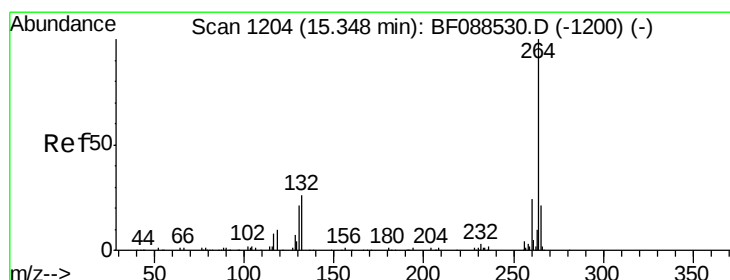
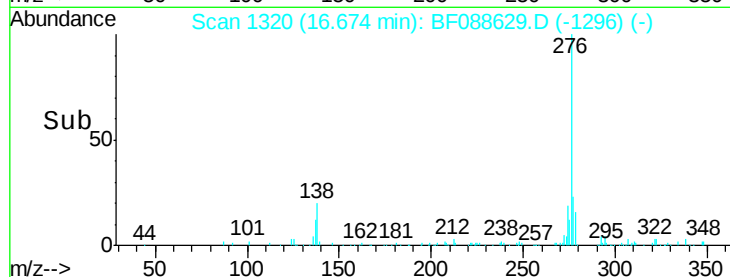
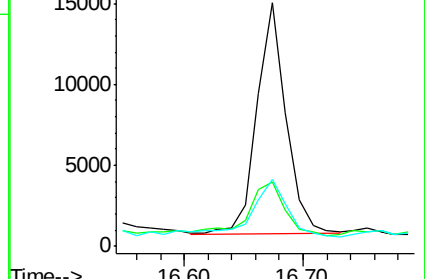
277 32.7 0.0 0.0#



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: 15.34 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

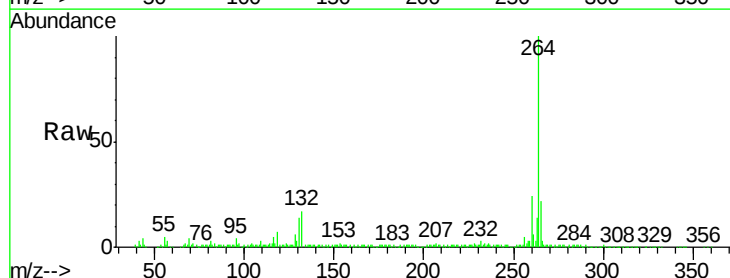
Tgt Ion:264 Resp: 182615

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

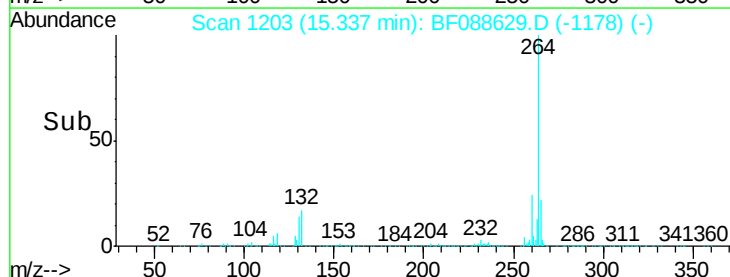
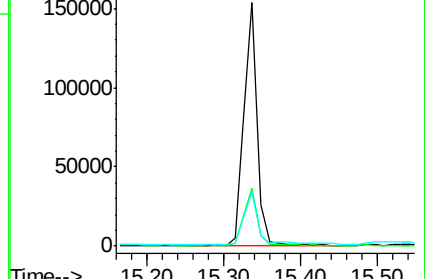
265 22.4 16.9 25.3

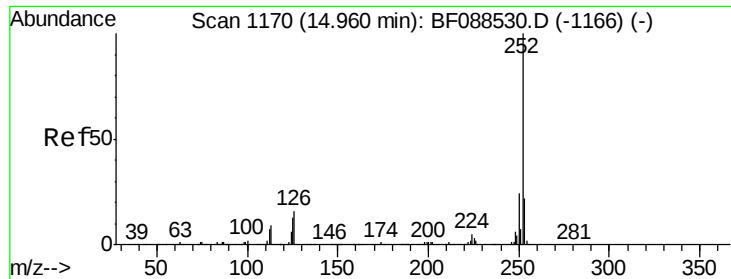


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

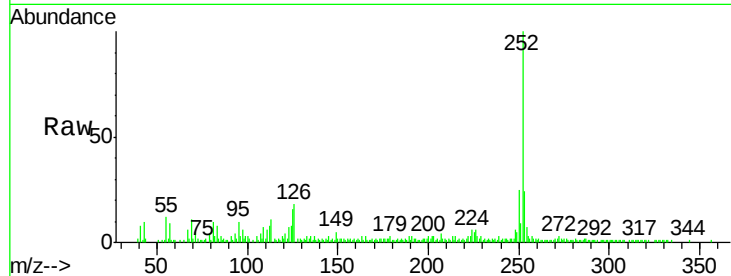




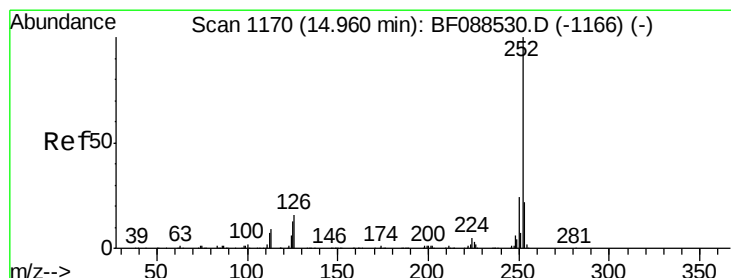
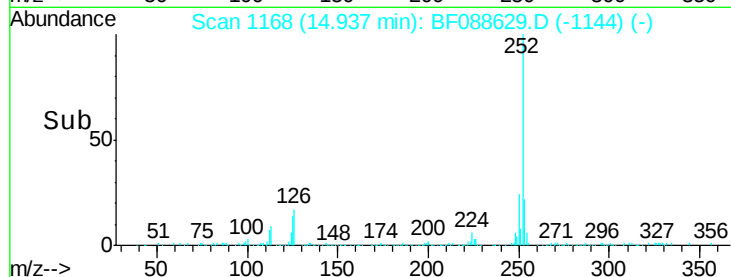
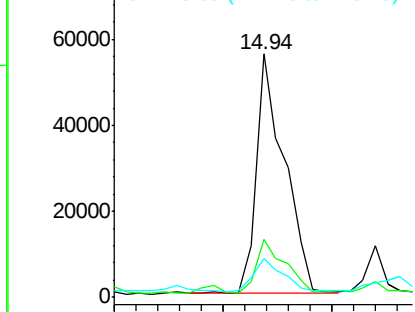
#87
Benzo(b)fluoranthene
Concen: 8.78 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Instrument :
BNA_F
ClientSampleId :
R5-B2(0-6)C

Tgt Ion:252 Resp: 100604
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 16.0 7.1 10.7#

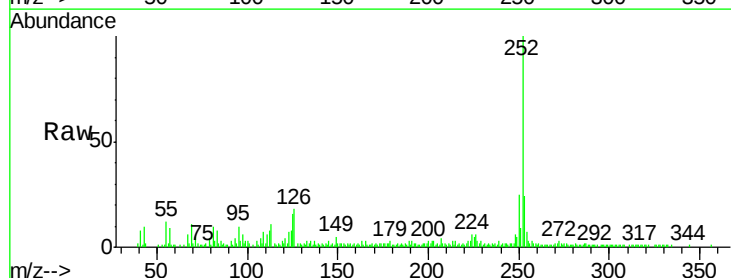


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

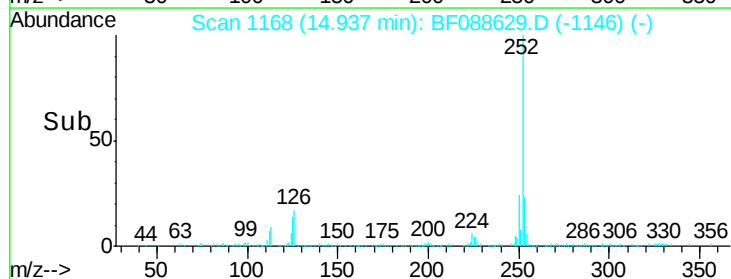
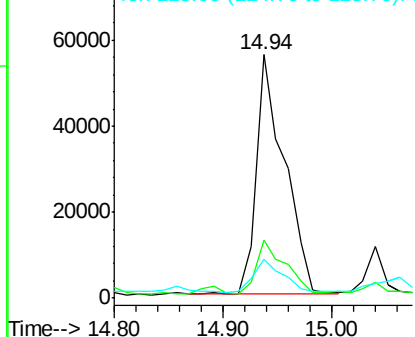


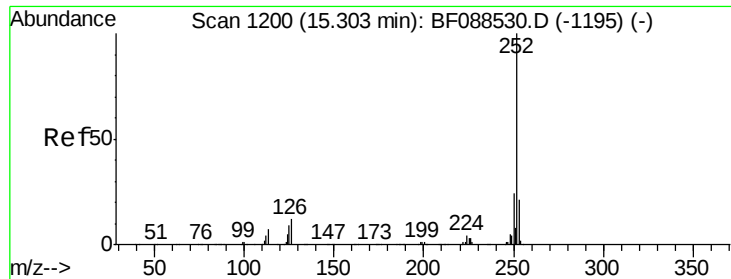
#88
Benzo(k)fluoranthene
Concen: 10.09 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088629.D
Acq: 2 Jul 2016 21:02

Tgt Ion:252 Resp: 100604
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 16.0 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





#89

Benzo(a)pyrene

Concen: 4.33 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

Instrument :

BNA_F

ClientSampleId :

R5-B2(0-6)C

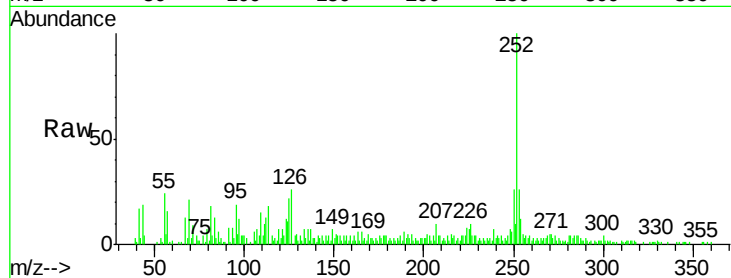
Tgt Ion:252 Resp: 41969

Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

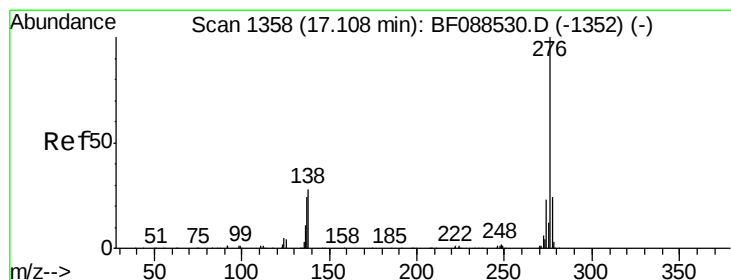
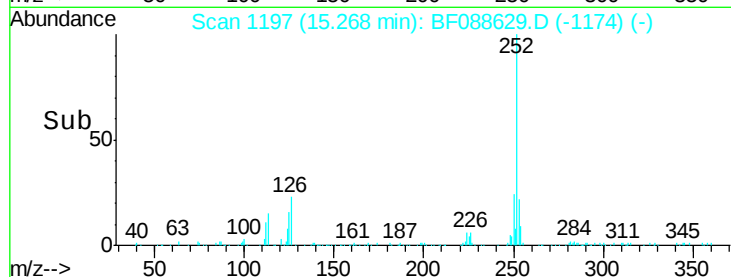
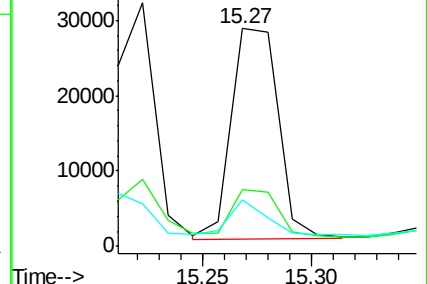
125 21.6 12.5 18.7#



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: 4.43 ng

RT: 17.07 min Scan# 1355

Delta R.T. -0.03 min

Lab File: BF088629.D

Acq: 2 Jul 2016 21:02

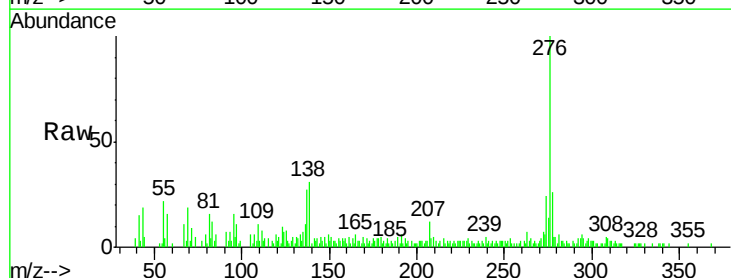
Tgt Ion:276 Resp: 37170

Ion Ratio Lower Upper

276 100

277 26.1 18.9 28.3

138 31.0 21.4 32.2



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

