

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071416\
 Data File : BF089002.D
 Acq On : 14 Jul 2016 23:21
 Operator : UM/SJ
 Sample : H3996-27
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D8-B2(0-5)C

Quant Time: Jul 15 01:19:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	57773	20.00	ng	-0.02
21) Naphthalene-d8	7.98	136	212056	20.00	ng	-0.02
38) Acenaphthene-d10	9.71	164	85124	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	135260	20.00	ng	-0.03
75) Chrysene-d12	13.82	240	119134	20.00	ng	-0.03
86) Perylene-d12	15.18	264	93414	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	296936	77.03	ng	-0.01
7) Phenol-d6	6.34	99	440563	88.45	ng	-0.01
23) Nitrobenzene-d5	7.26	82	275778	68.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	55708	70.47	ng	-0.03
44) 2-Fluorobiphenyl	9.05	172	460621	85.47	ng	-0.02
78) Terphenyl-d14	12.78	244	298173	55.75	ng	-0.02

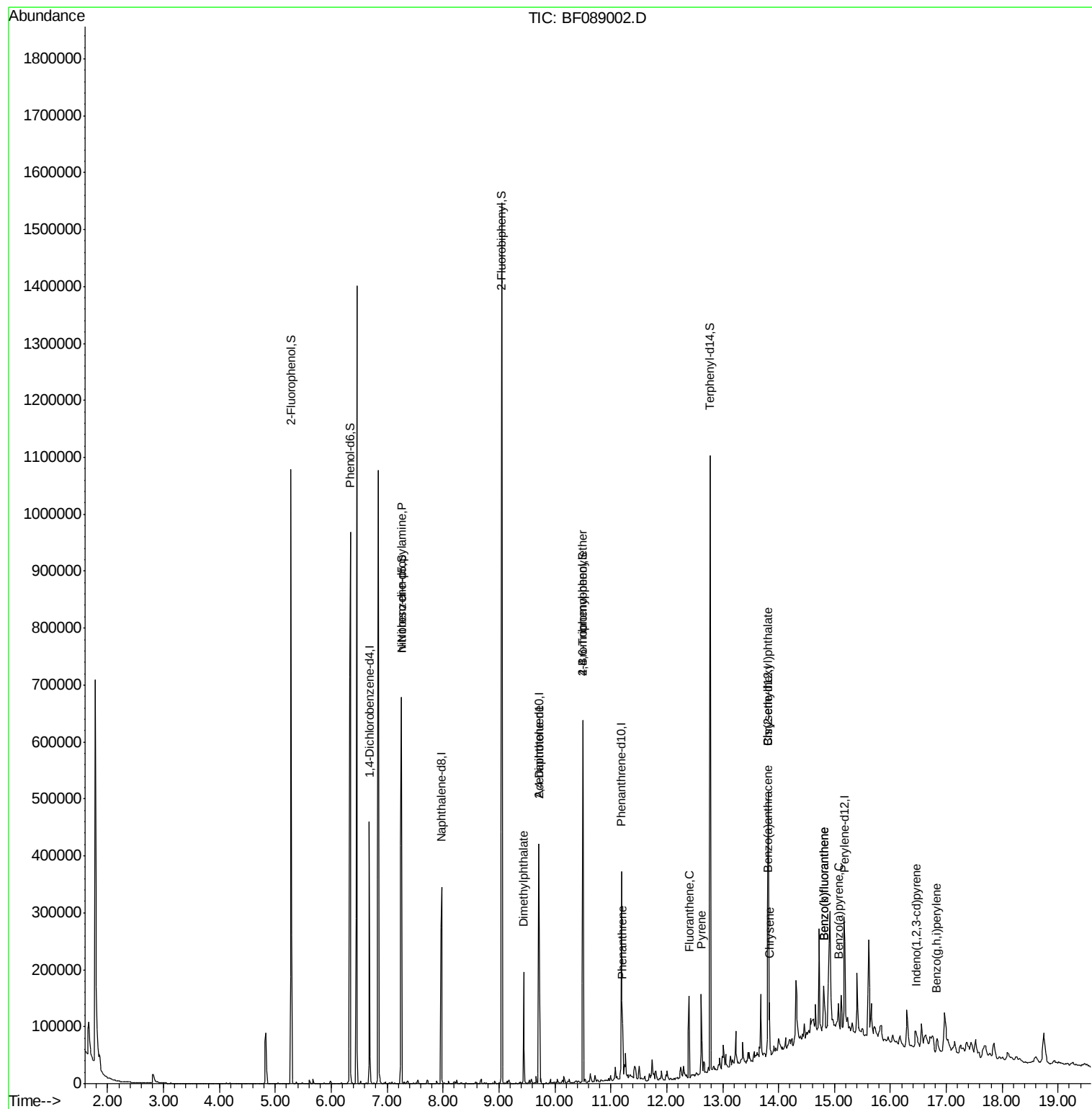
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	36985	11.05	ng	# 68
49) Dimethylphthalate	9.44	163	77761	12.82	ng	99
56) 2,4-Dinitrotoluene	9.71	165	10939	6.22	ng	# 36
66) 4-Bromophenyl-phenylether	10.50	248	4813	3.53	ng	# 1
70) Phenanthrene	11.21	178	33806	4.57	ng	99
74) Fluoranthene	12.40	202	65123	8.69	ng	94
77) Pyrene	12.62	202	56993	5.64	ng	98
80) Benzo(a)anthracene	13.81	228	28846	3.76	ng	96
82) Chrysene	13.84	228	32999	4.35	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	22291	4.33	ng	98
85) Indeno(1,2,3-cd)pyrene	16.46	276	16303	2.79	ng	# 100
87) Benzo(b)fluoranthene	14.81	252	53003	9.05	ng	# 95
88) Benzo(k)fluoranthene	14.81	252	53003	10.39	ng	98
89) Benzo(a)pyrene	15.07	252	20838	4.20	ng	96
91) Benzo(g,h,i)perylene	16.83	276	15674	3.66	ng	96

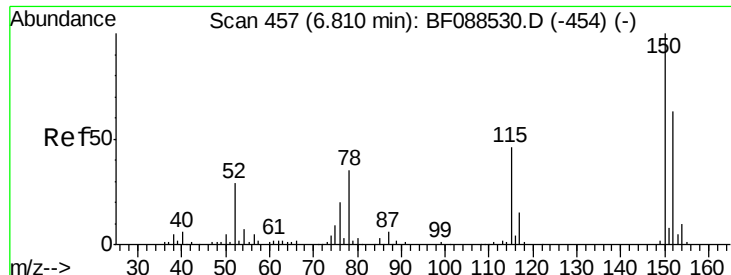
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 446

Delta R.T. -0.02 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

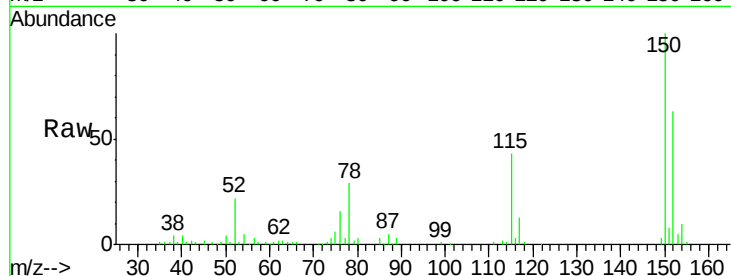
Tgt Ion:152 Resp: 57773

Ion Ratio Lower Upper

152 100

150 158.6 123.8 185.6

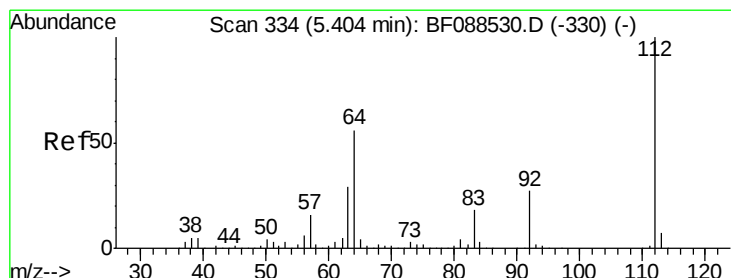
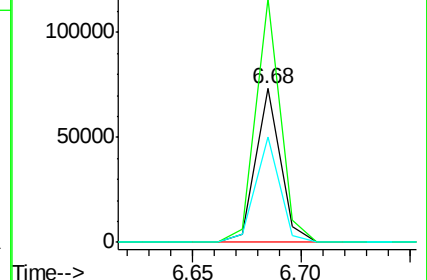
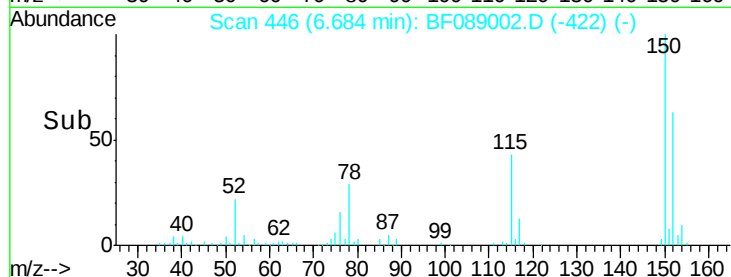
115 68.4 39.6 59.4#



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: 77.03 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

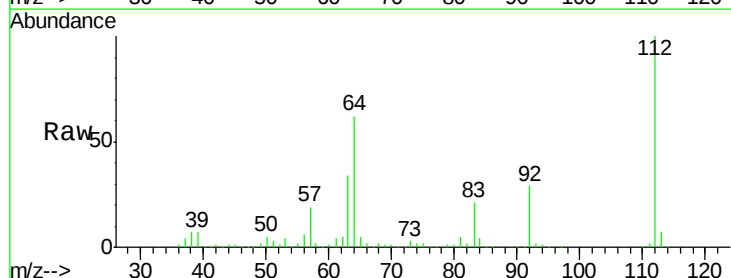
Tgt Ion:112 Resp: 296936

Ion Ratio Lower Upper

112 100

64 62.4 42.2 63.2

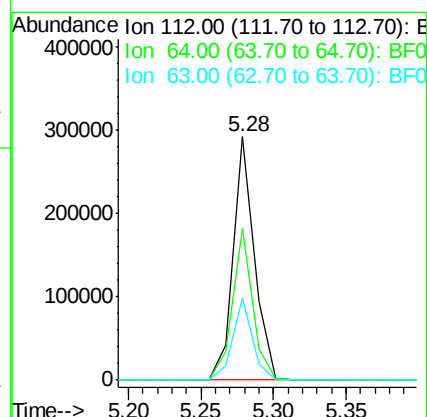
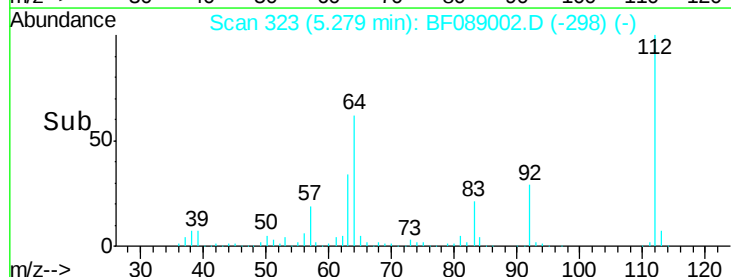
63 33.7 21.8 32.8#



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: 88.45 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

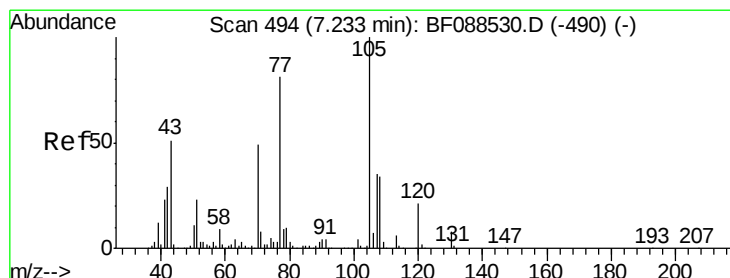
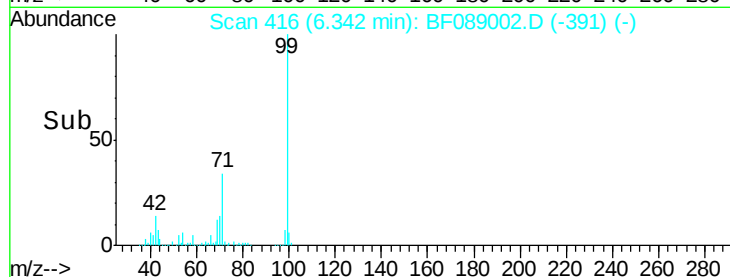
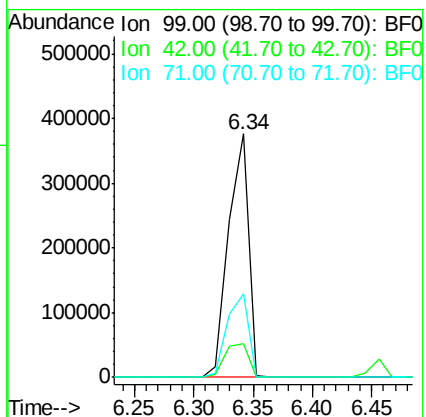
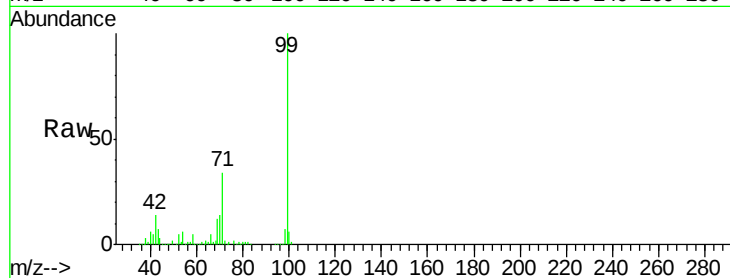
Tgt Ion: 99 Resp: 440563

Ion Ratio Lower Upper

99 100

42 13.9 12.2 18.2

71 34.2 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.05 ng

RT: 7.26 min Scan# 496

Delta R.T. 0.11 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Tgt Ion: 70 Resp: 36985

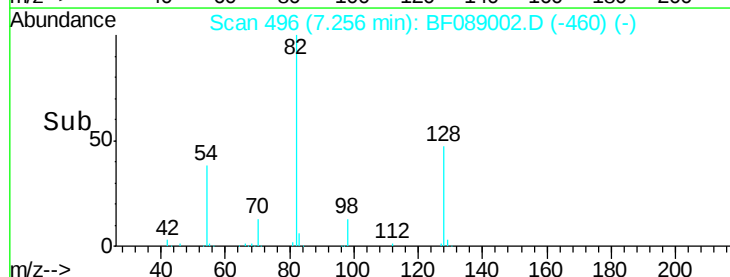
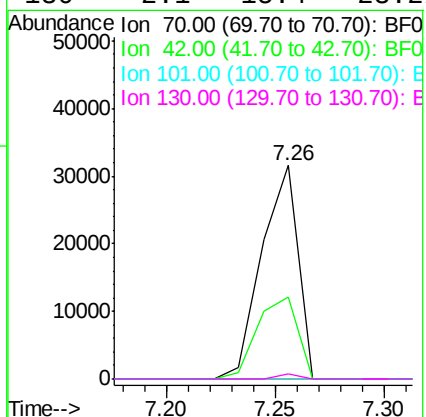
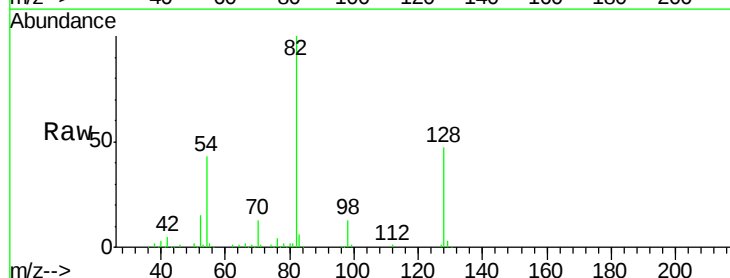
Ion Ratio Lower Upper

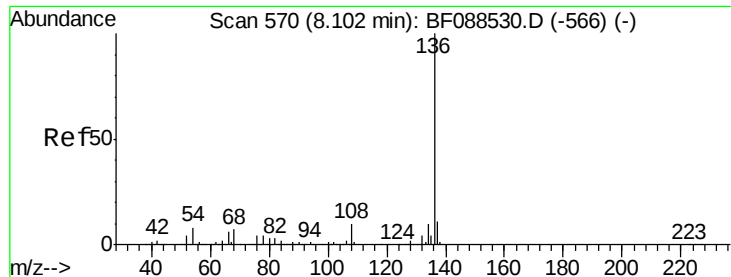
70 100

42 38.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.1 15.4 23.2#

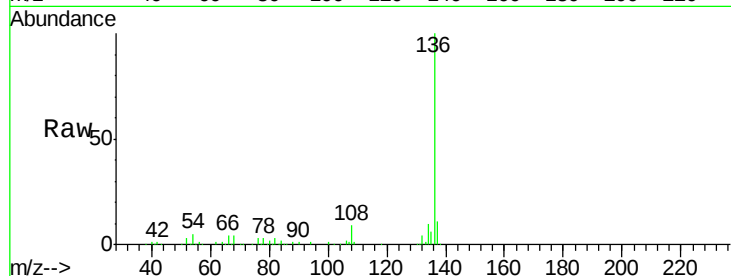




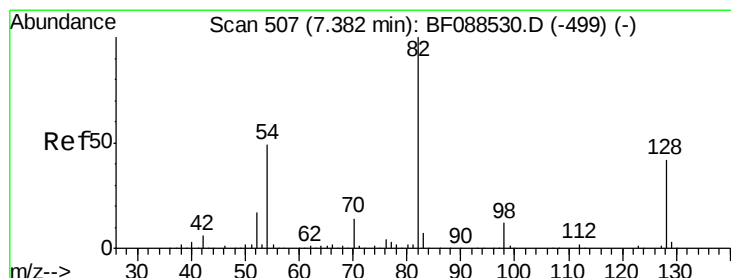
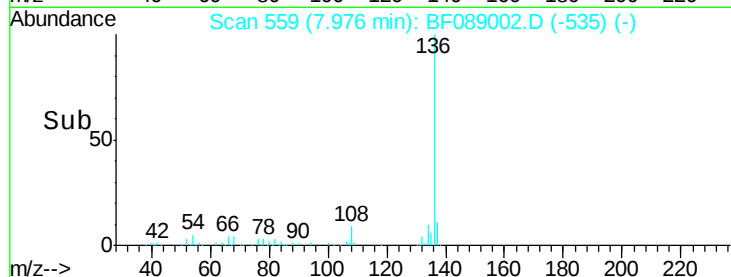
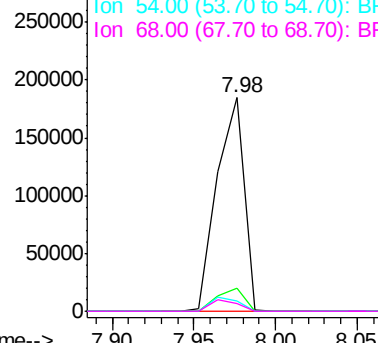
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

Instrument :
BNA_F
ClientSampleId :
D8-B2(0-5)C

Tgt Ion:	136	Resp:	212056
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	4.8	6.6	10.0#
68	3.8	5.1	7.7#

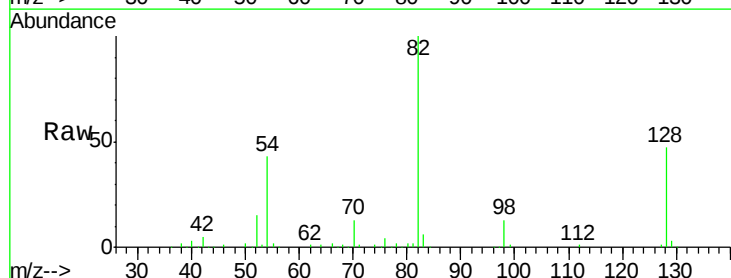


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

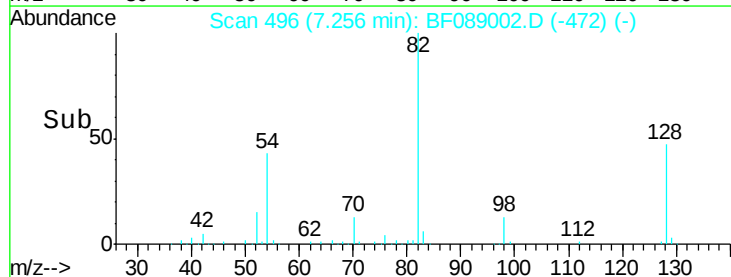
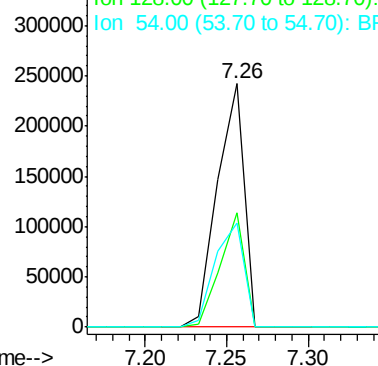


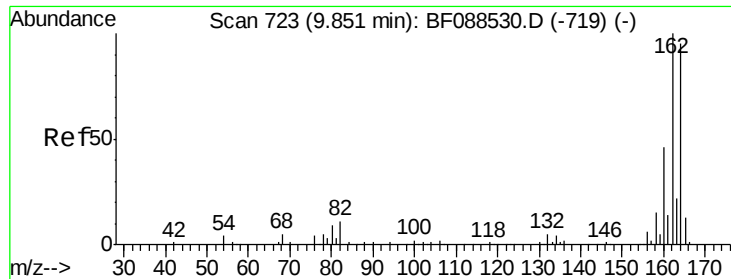
#23
Nitrobenzene-d5
Concen: 68.15 ng
RT: 7.26 min Scan# 496
Delta R.T. -0.02 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

Tgt Ion:	82	Resp:	275778
Ion	Ratio	Lower	Upper
82	100		
128	47.1	35.9	53.9
54	42.7	40.9	61.3



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

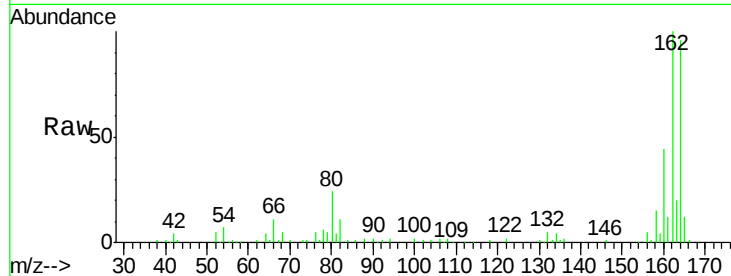




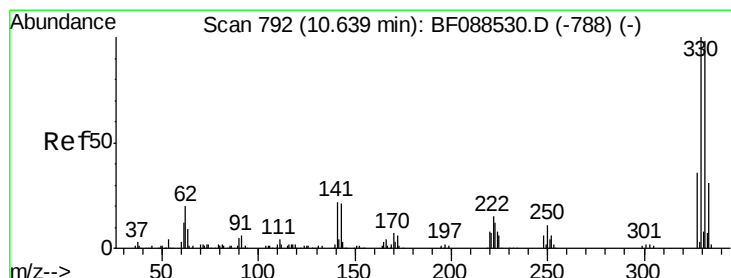
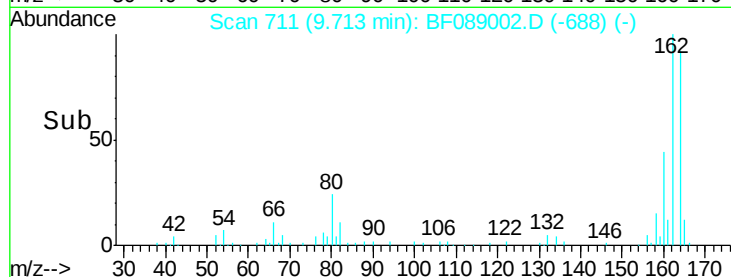
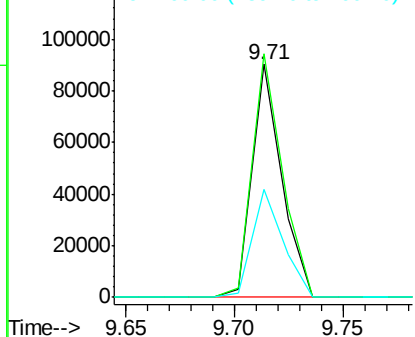
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.71 min Scan# 711
 Delta R.T. -0.03 min
 Lab File: BF089002.D
 Acq: 14 Jul 2016 23:21

Instrument :
 BNA_F
 ClientSampleId :
 D8-B2(0-5)C

Tgt Ion:164 Resp: 85124
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.4 128.2
 160 46.3 39.5 59.3

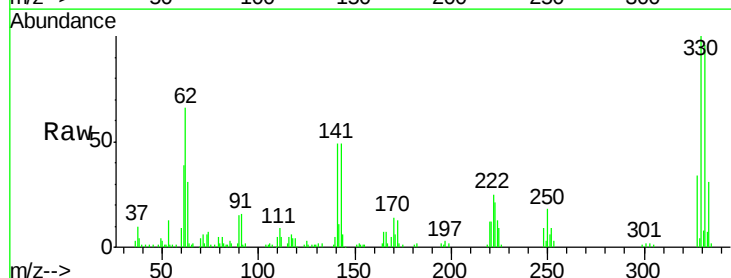


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

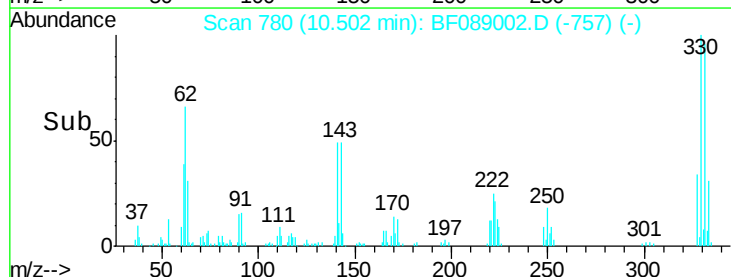
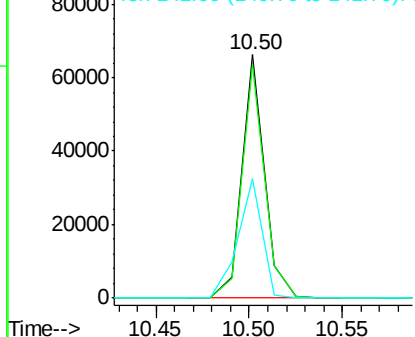


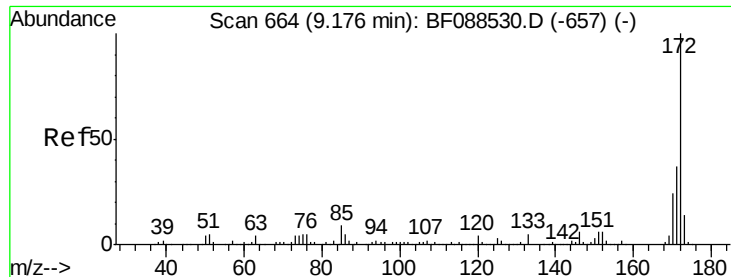
#41
 2,4,6-Tribromophenol
 Concen: 70.47 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.03 min
 Lab File: BF089002.D
 Acq: 14 Jul 2016 23:21

Tgt Ion:330 Resp: 55708
 Ion Ratio Lower Upper
 330 100
 332 96.3 0.0 0.0#
 141 53.6 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

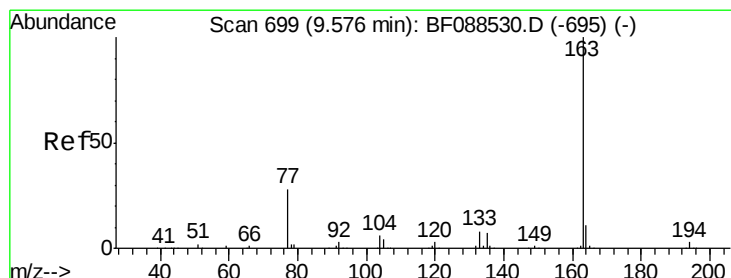
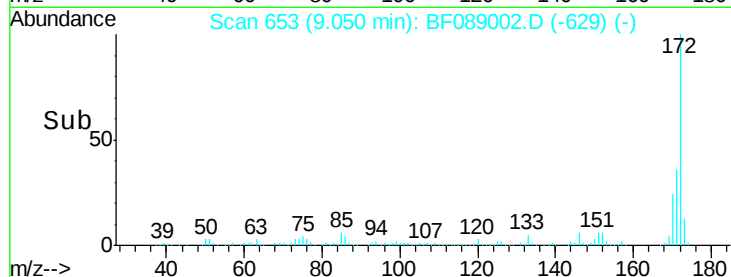
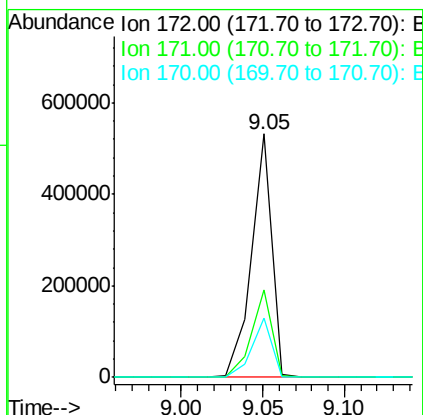
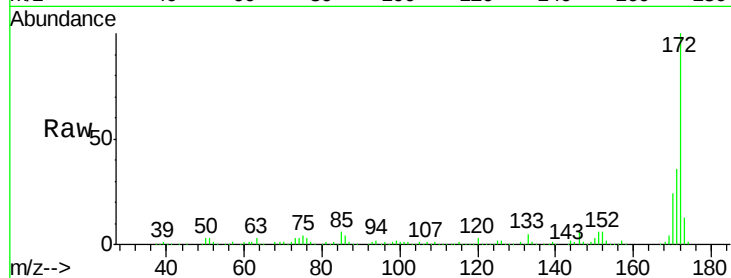




#44
 2-Fluorobiphenyl
 Concen: 85.47 ng
 RT: 9.05 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF089002.D
 Acq: 14 Jul 2016 23:21

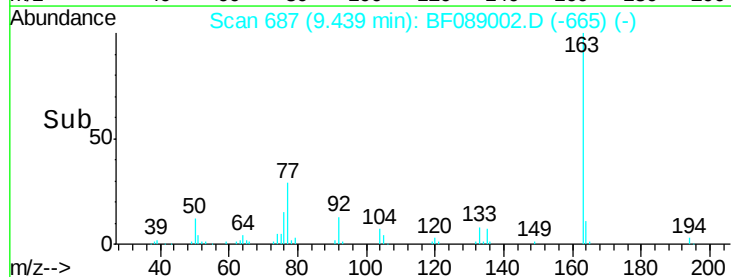
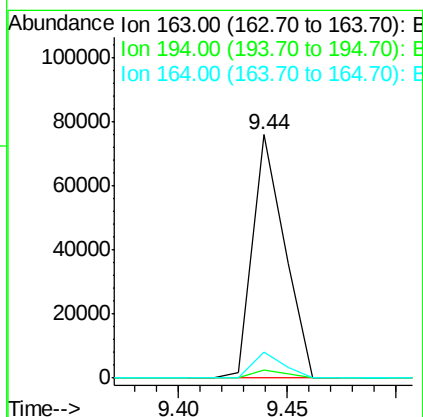
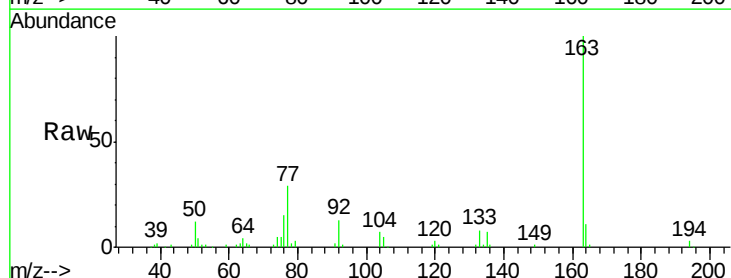
Instrument :
 BNA_F
 ClientSampleId :
 D8-B2(0-5)C

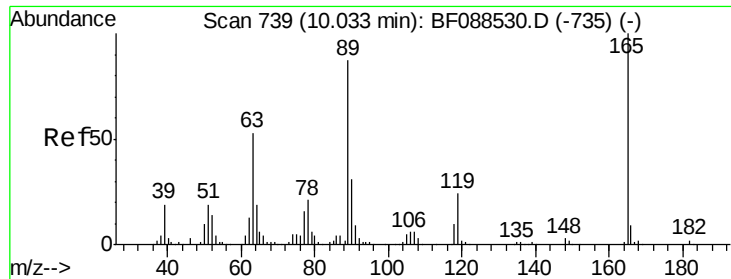
Tgt Ion:172 Resp: 460621
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 24.1 19.2 28.8



#49
 Dimethylphthalate
 Concen: 12.82 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089002.D
 Acq: 14 Jul 2016 23:21

Tgt Ion:163 Resp: 77761
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.8 4.2
 164 10.5 8.3 12.5

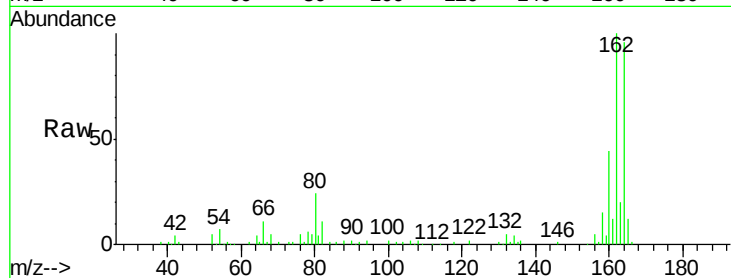




#56
2,4-Dinitrotoluene
Concen: 6.22 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

Instrument :
BNA_F
ClientSampleId :
D8-B2(0-5)C

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

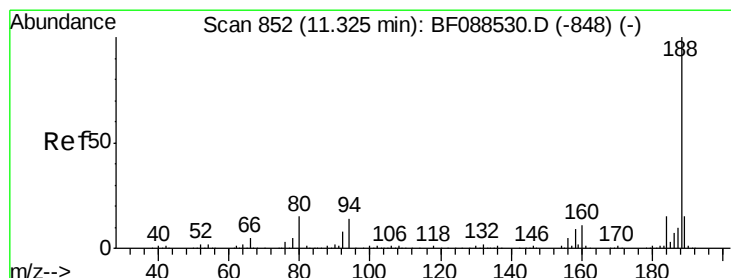
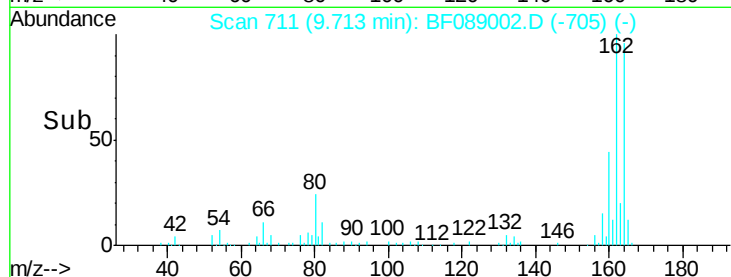
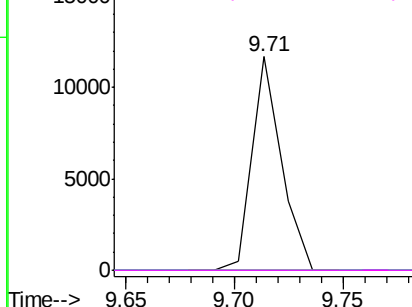


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

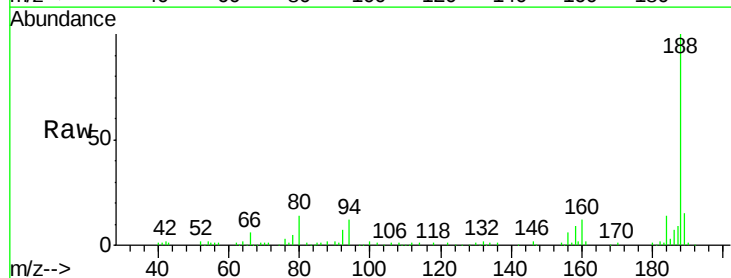
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

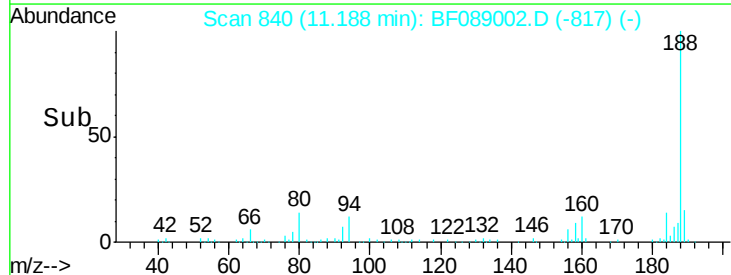
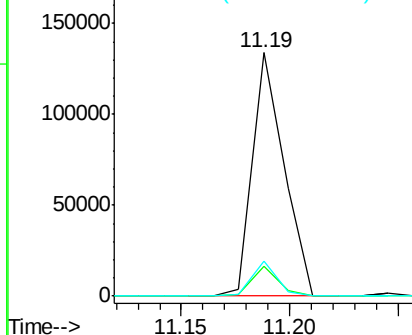
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.2	9.0	13.6
80	14.3	10.0	15.0

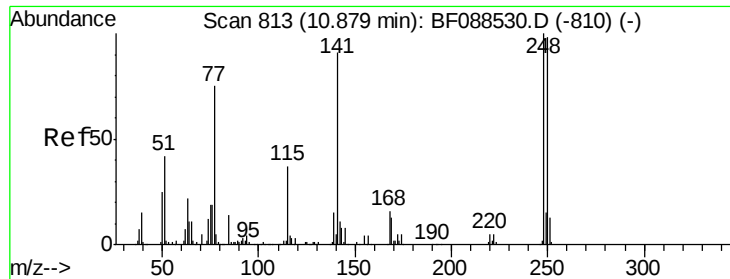


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

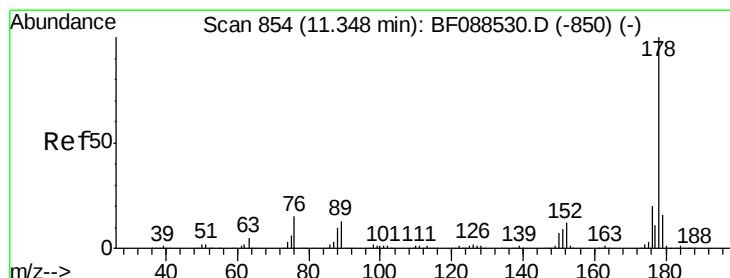
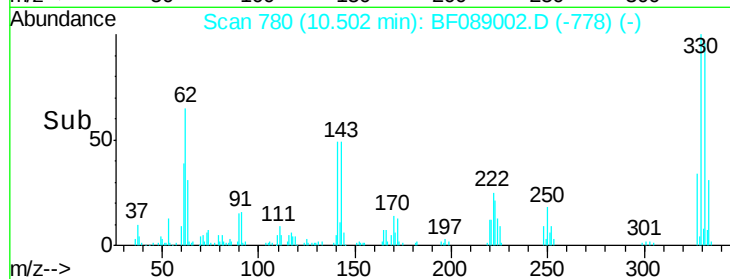
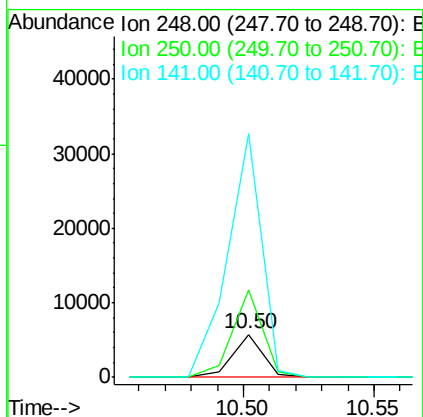
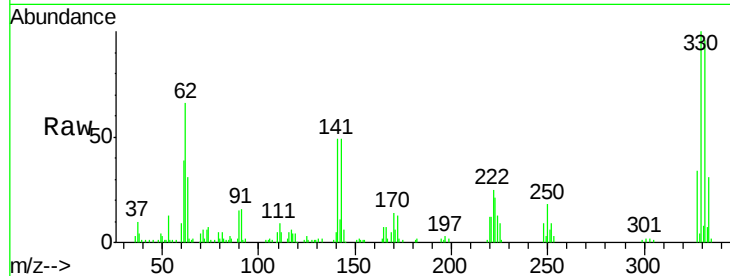




#66
 4-Bromophenyl-phenylether
 Concen: 3.53 ng
 RT: 10.50 min Scan# 780
 Delta R.T. -0.27 min
 Lab File: BF089002.D
 Acq: 14 Jul 2016 23:21

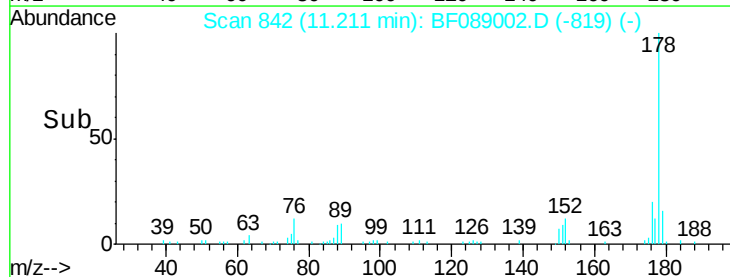
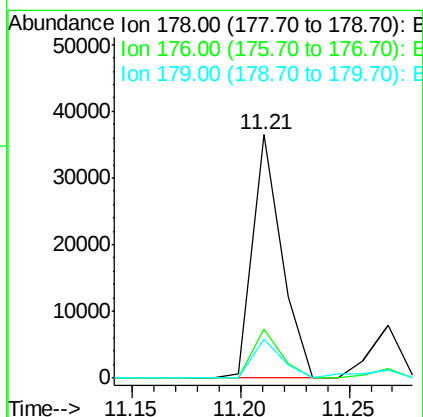
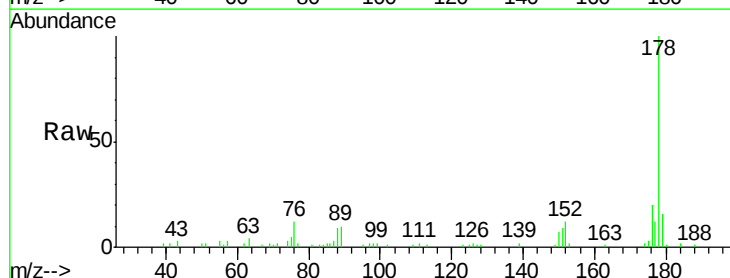
Instrument :
 BNA_F
 ClientSampleId :
 D8-B2(0-5)C

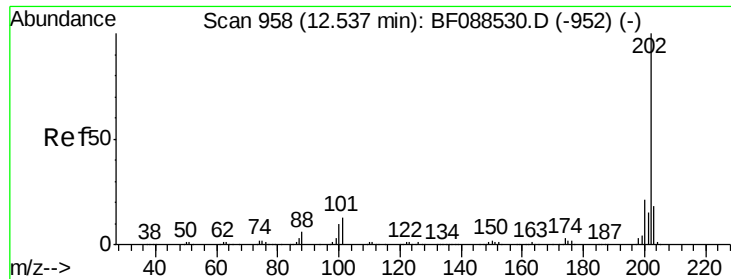
Tgt Ion:248 Resp: 4813
 Ion Ratio Lower Upper
 248 100
 250 202.6 77.1 115.7#
 141 563.7 50.6 76.0#



#70
 Phenanthrene
 Concen: 4.57 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.03 min
 Lab File: BF089002.D
 Acq: 14 Jul 2016 23:21

Tgt Ion:178 Resp: 33806
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.8 23.6
 179 15.7 13.0 19.4

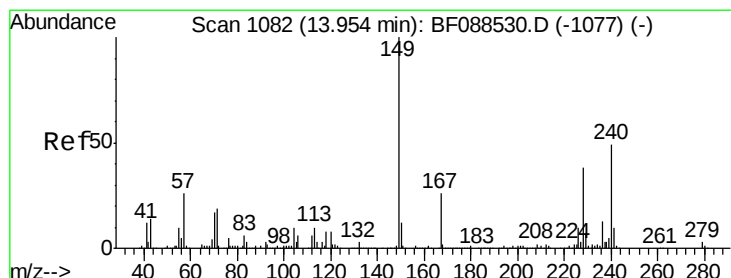
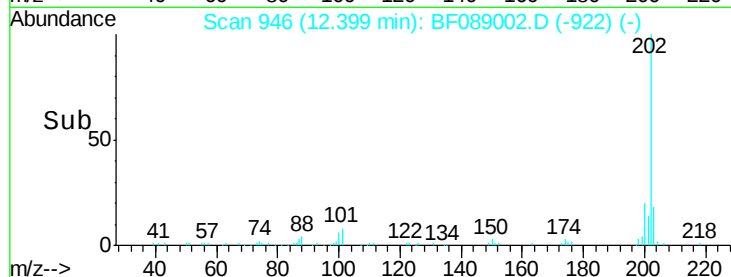
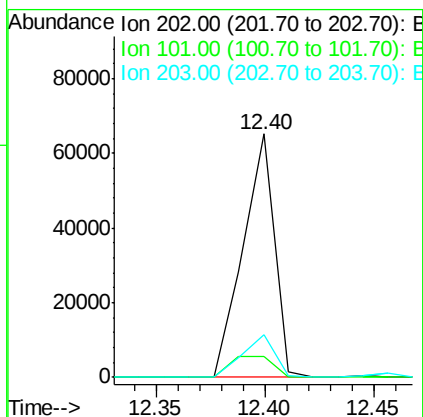
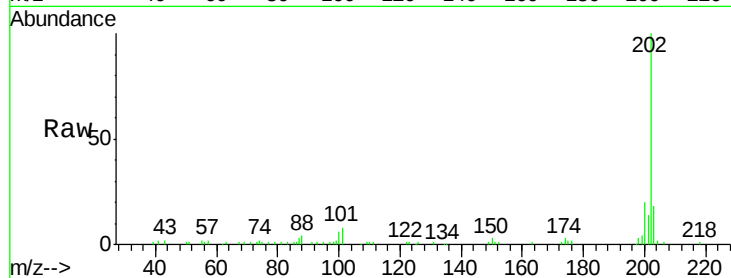




#74
Fluoranthene
Concen: 8.69 ng
RT: 12.40 min Scan# 946
Delta R.T. -0.02 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

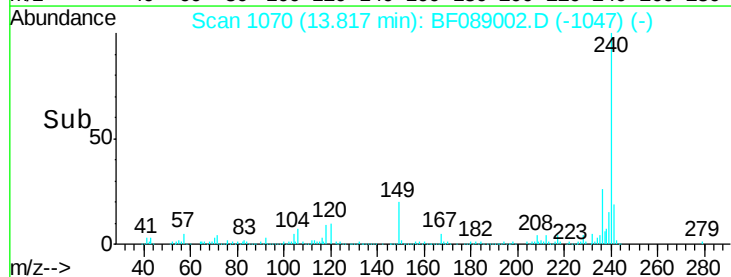
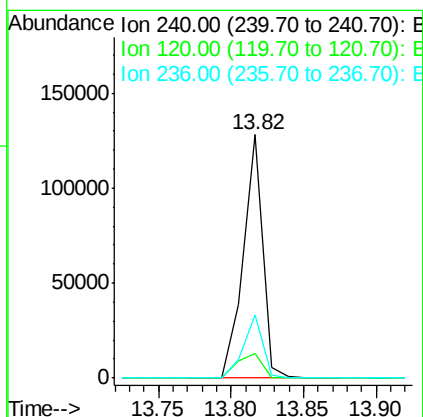
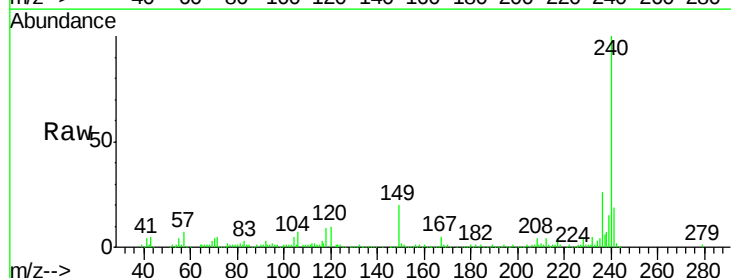
Instrument :
BNA_F
ClientSampleId :
D8-B2(0-5)C

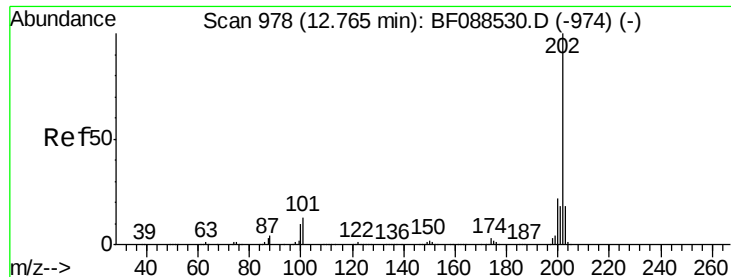
Tgt Ion: 202 Resp: 65123
Ion Ratio Lower Upper
202 100
101 8.5 0.0 33.1
203 17.5 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1070
Delta R.T. -0.03 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

Tgt Ion: 240 Resp: 119134
Ion Ratio Lower Upper
240 100
120 10.0 6.8 10.2
236 26.0 20.2 30.2





#77

Pyrene

Concen: 5.64 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

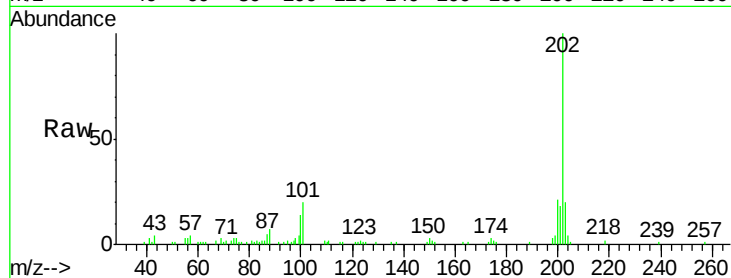
Tgt Ion:202 Resp: 56993

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

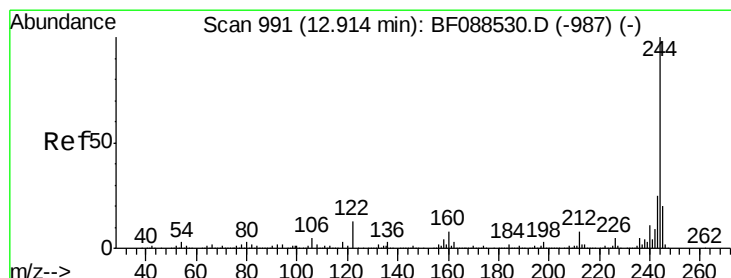
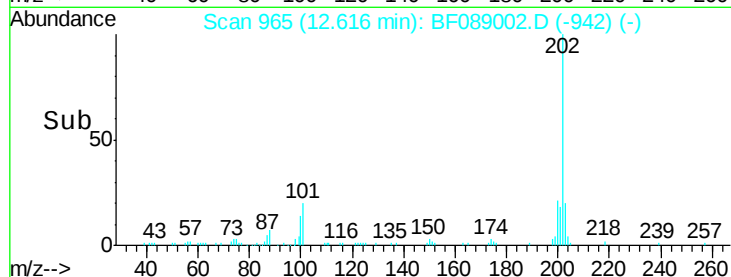
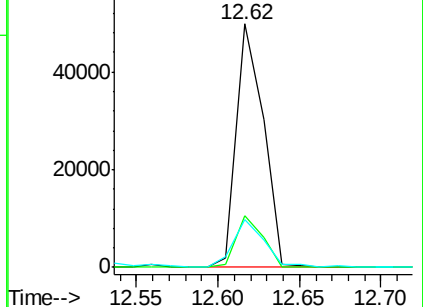
203 19.8 14.5 21.7



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: 55.75 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.02 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

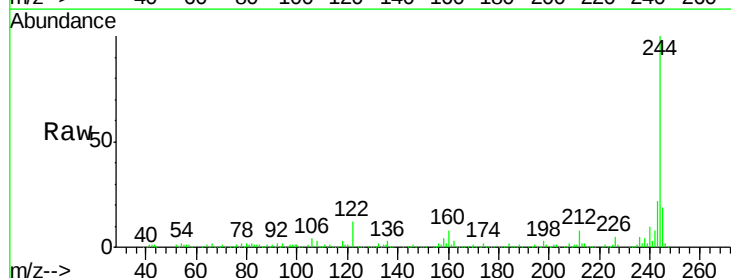
Tgt Ion:244 Resp: 298173

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

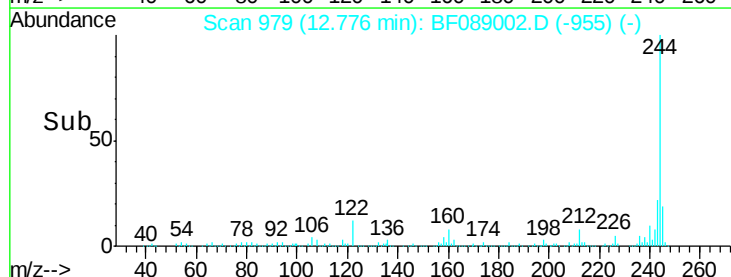
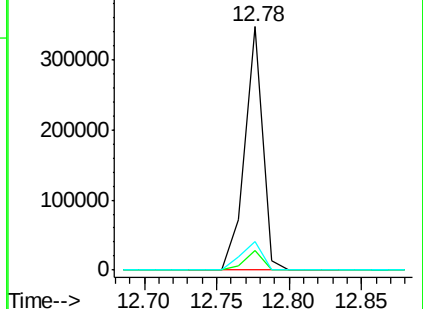
122 12.0 11.2 16.8

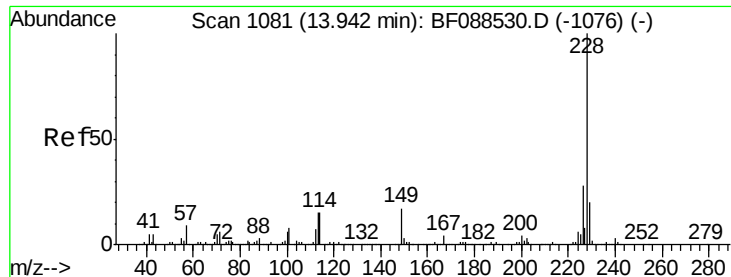


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.76 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.03 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

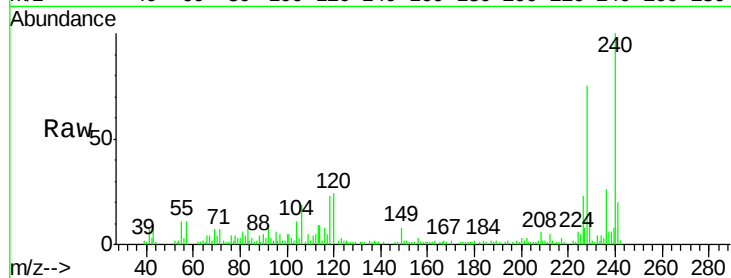
Tgt Ion:228 Resp: 28846

Ion Ratio Lower Upper

228 100

226 30.8 22.3 33.5

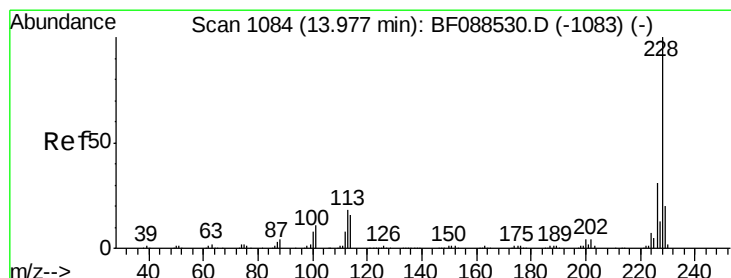
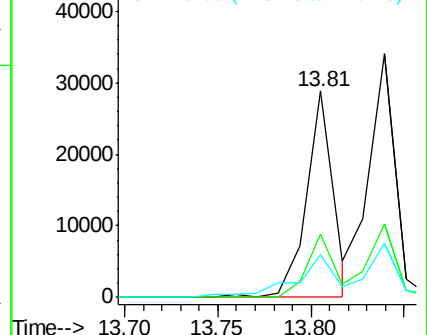
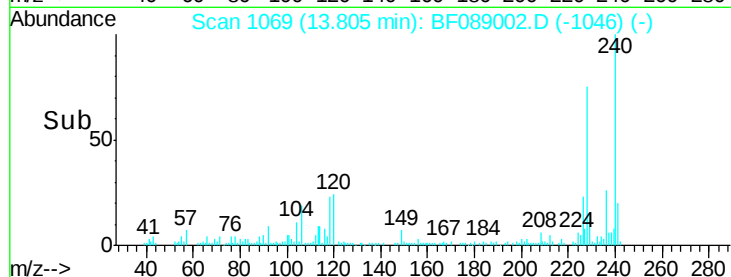
229 20.5 16.0 24.0



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: 4.35 ng

RT: 13.84 min Scan# 1072

Delta R.T. -0.03 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

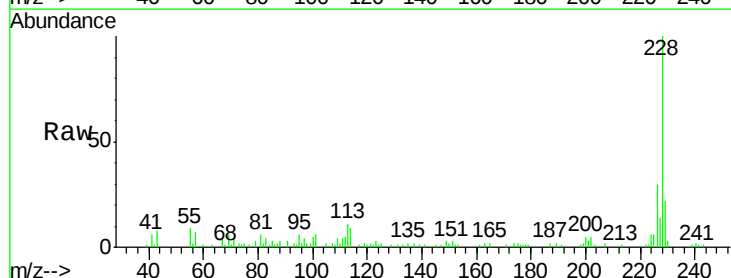
Tgt Ion:228 Resp: 32999

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

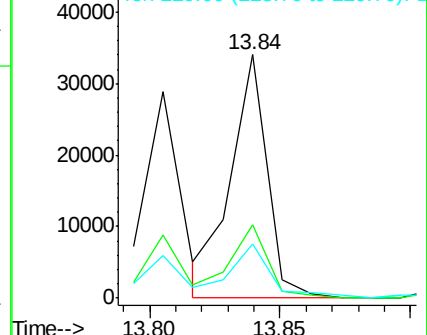
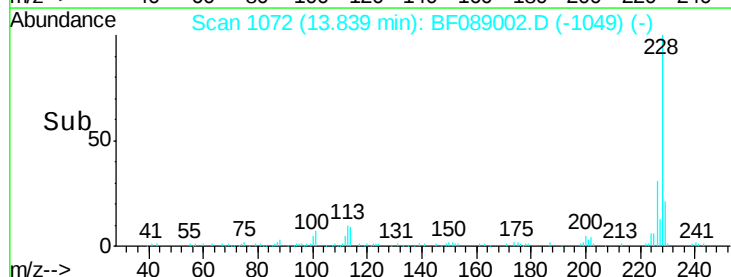
229 22.3 16.3 24.5

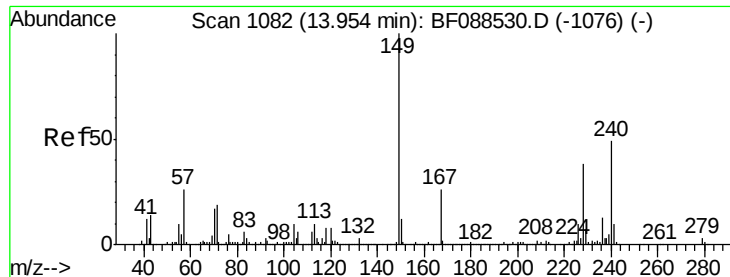


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.33 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

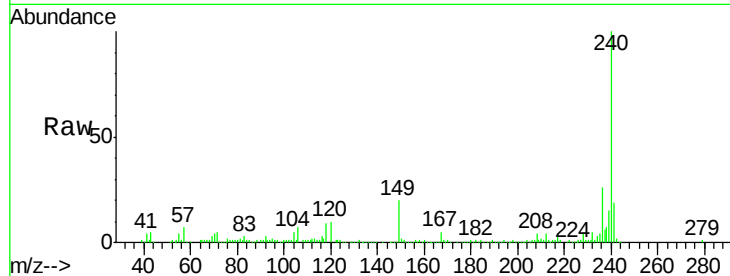
Tgt Ion:149 Resp: 22291

Ion Ratio Lower Upper

149 100

167 24.5 20.5 30.7

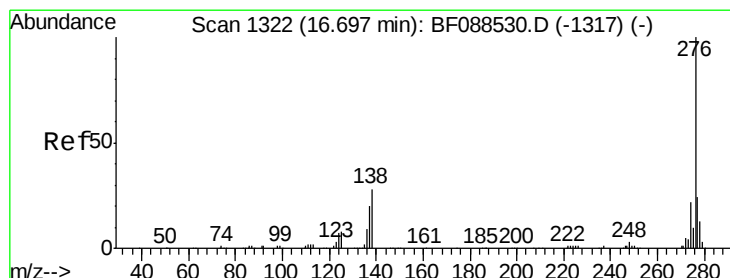
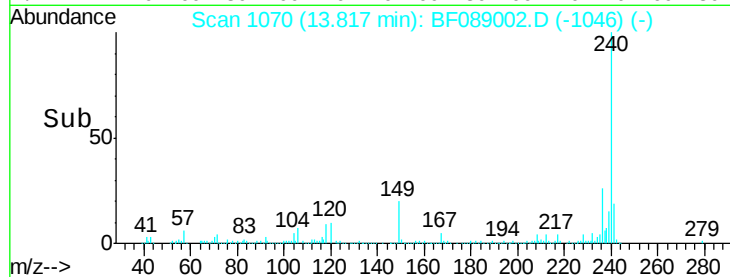
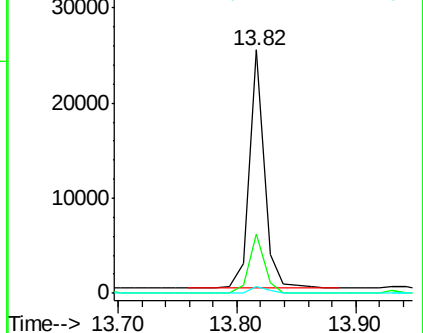
279 2.5 2.0 3.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.79 ng

RT: 16.46 min Scan# 1301

Delta R.T. -0.05 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

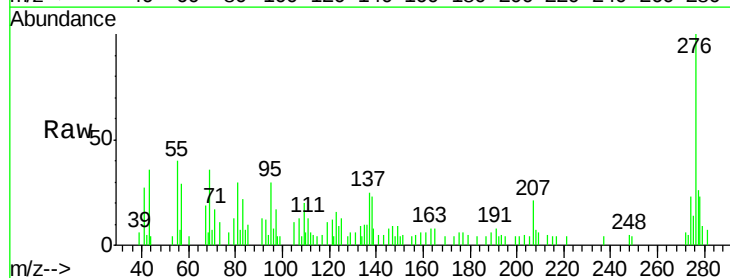
Tgt Ion:276 Resp: 16303

Ion Ratio Lower Upper

276 100

138 29.0 0.0 0.0#

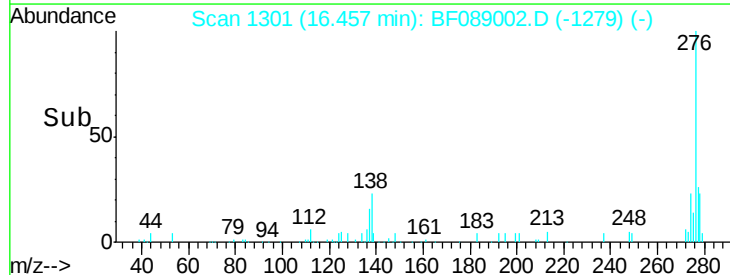
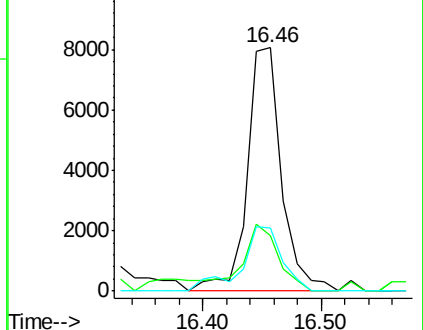
277 31.4 0.0 0.0#

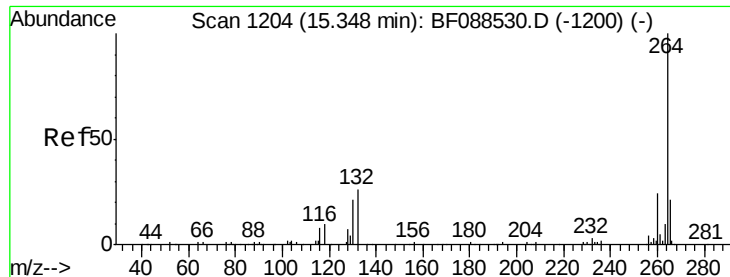


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

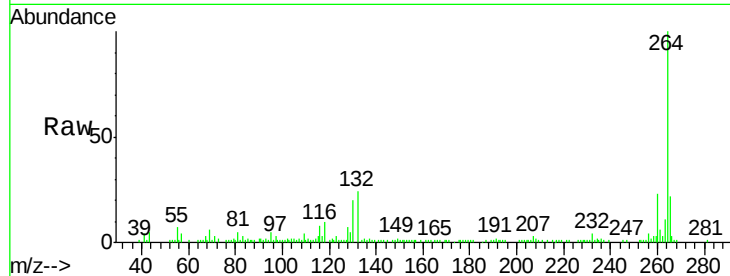




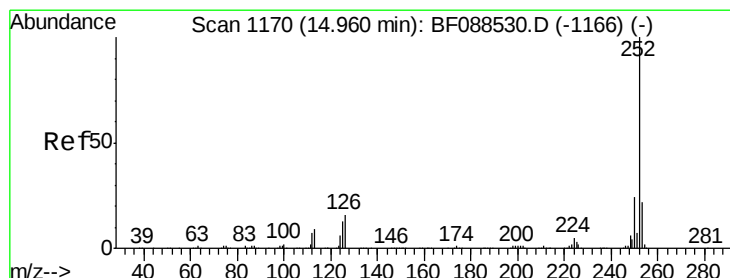
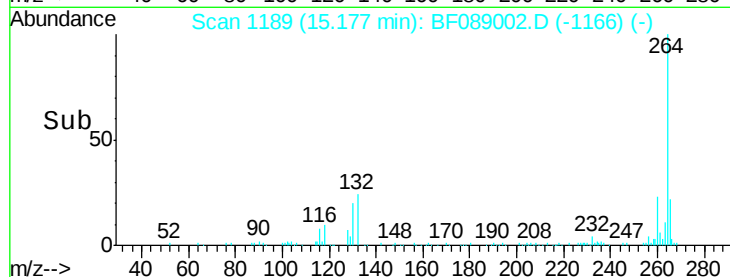
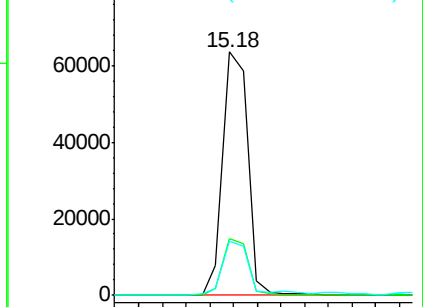
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. -0.03 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

Instrument :
BNA_F
ClientSampleId :
D8-B2(0-5)C

Tgt Ion:264 Resp: 93414
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.0 16.9 25.3

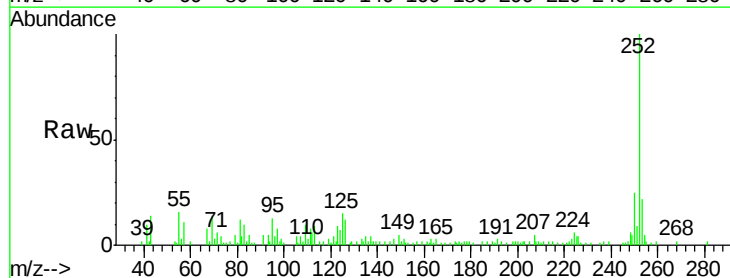


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

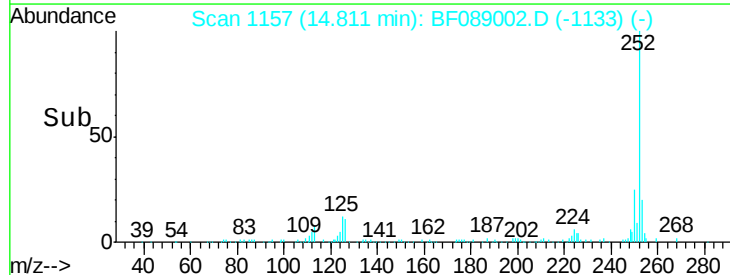
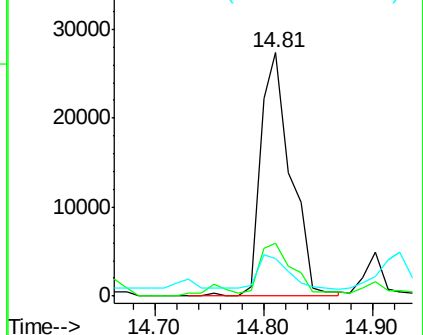


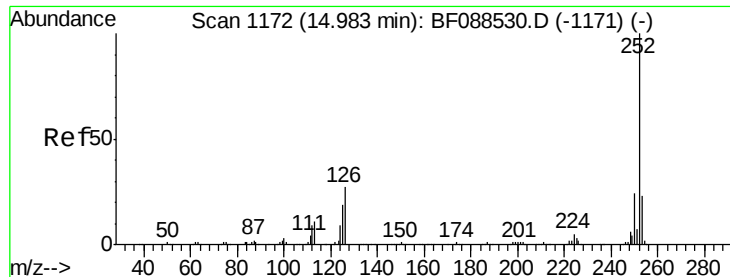
#87
Benzo(b)fluoranthene
Concen: 9.05 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF089002.D
Acq: 14 Jul 2016 23:21

Tgt Ion:252 Resp: 53003
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 15.2 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: 10.39 ng

RT: 14.81 min Scan# 1157

Delta R.T. -0.06 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

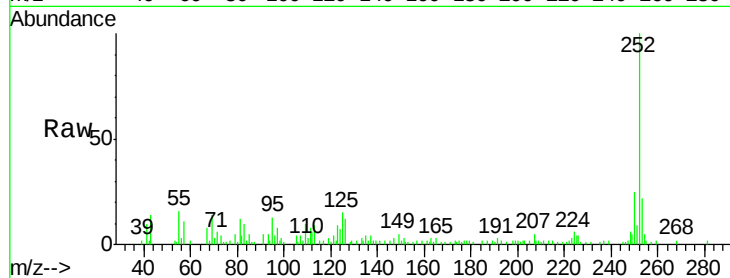
Tgt Ion:252 Resp: 53003

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

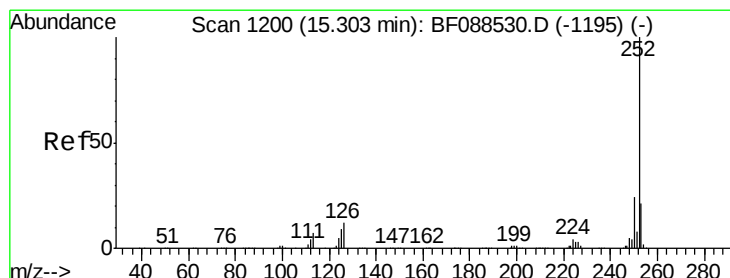
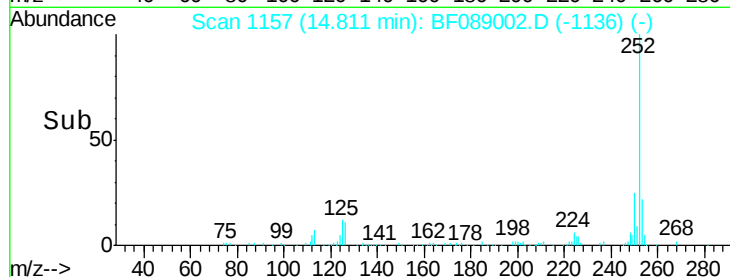
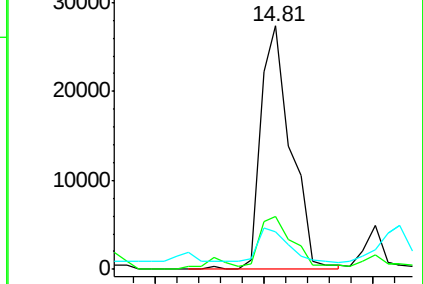
125 15.2 11.2 16.8



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



#89

Benzo(a)pyrene

Concen: 4.20 ng

RT: 15.07 min Scan# 1180

Delta R.T. -0.09 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

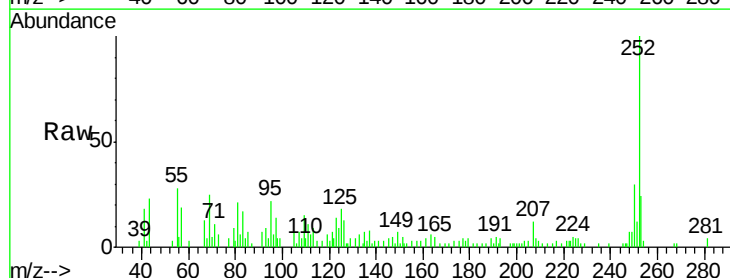
Tgt Ion:252 Resp: 20838

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

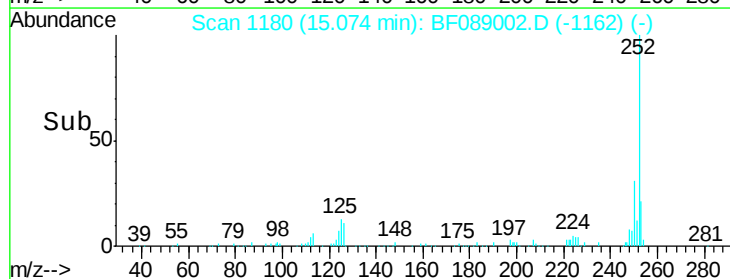
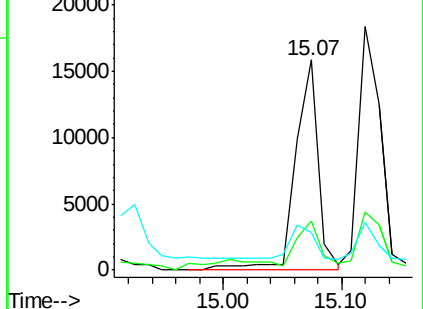
125 18.0 12.5 18.7

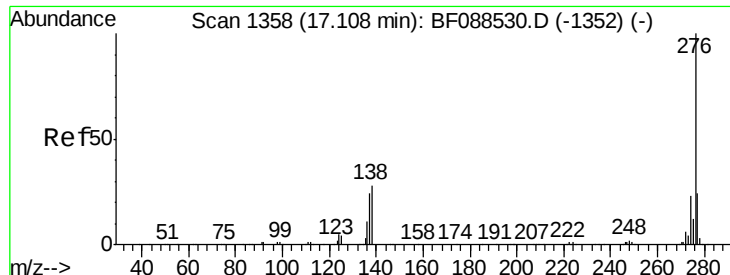


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.66 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.06 min

Lab File: BF089002.D

Acq: 14 Jul 2016 23:21

Instrument :

BNA_F

ClientSampleId :

D8-B2(0-5)C

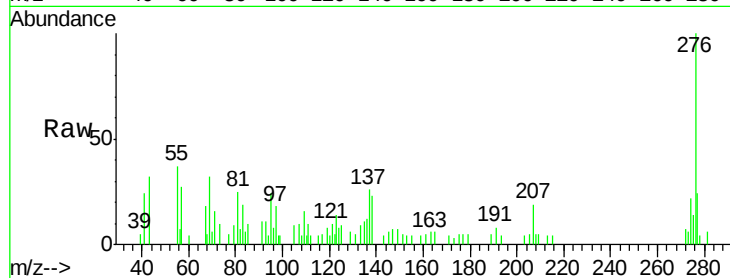
Tgt Ion: 276 Resp: 15674

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 23.2 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

