

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088620.D
 Acq On : 2 Jul 2016 16:40
 Operator : UM/SJ
 Sample : H3871-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L8-B1(0-12)C

Quant Time: Jul 03 03:03:37 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	6.79	152	106858	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	446610	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	187671	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	275651	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	218174	20.00	ng	-0.02
86) Perylene-d12	15.34	264	209559	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	747863	104.89	ng	-0.02
7) Phenol-d6	6.43	99	1034340	112.27	ng	-0.01
23) Nitrobenzene-d5	7.36	82	650025	76.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	170475	97.82	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	814808	68.58	ng	-0.02
78) Terphenyl-d14	12.89	244	503543	51.41	ng	-0.02

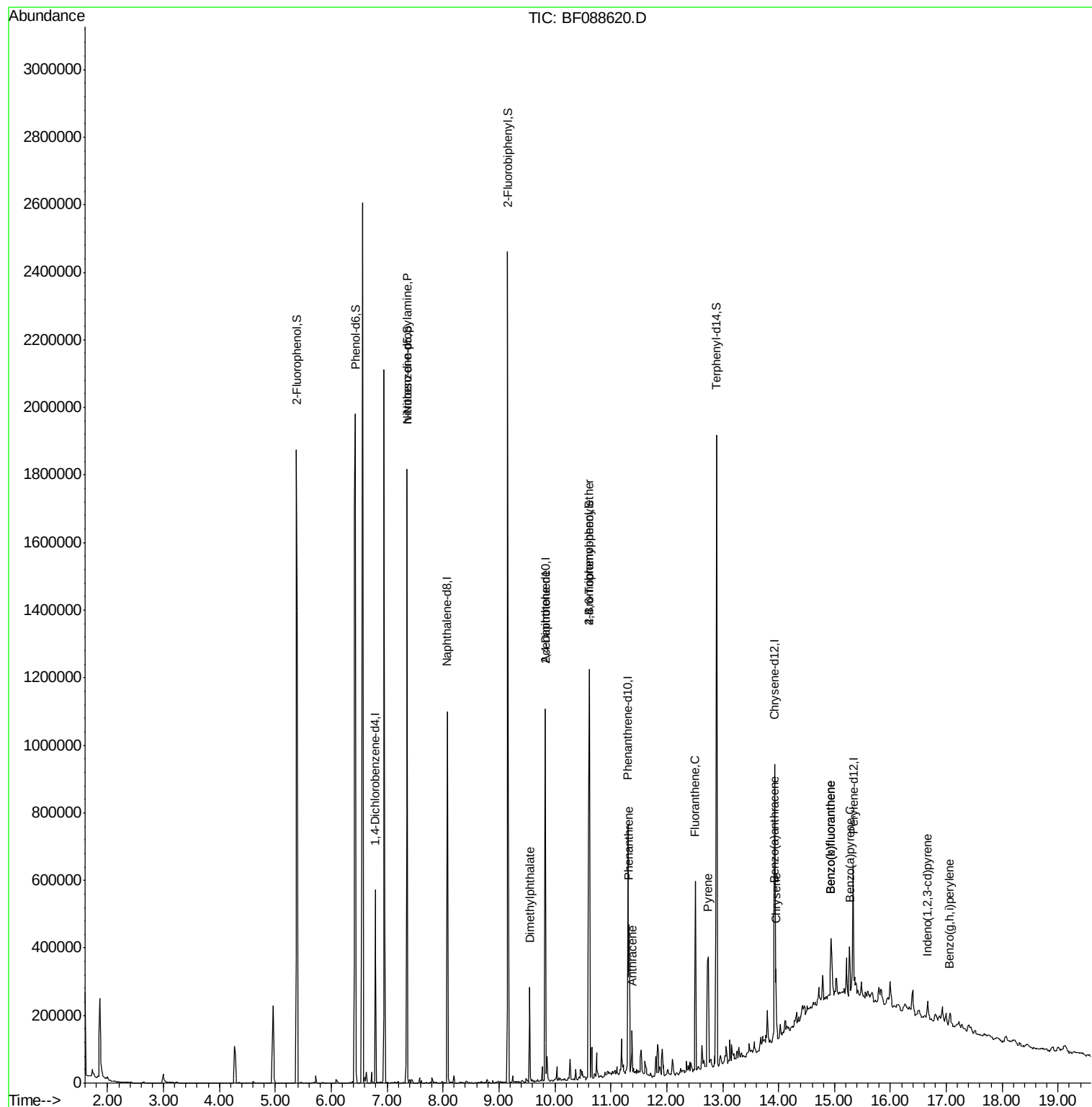
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	87580	14.15	ng	# 71
49) Dimethylphthalate	9.55	163	144364	10.80	ng	98
56) 2,4-Dinitrotoluene	9.83	165	24873	6.42	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	11287	4.06	ng	# 1
70) Phenanthrene	11.32	178	168697	11.20	ng	99
71) Anthracene	11.38	178	45782	3.06	ng	97
74) Fluoranthene	12.51	202	215941	14.14	ng	96
77) Pyrene	12.74	202	188280	10.18	ng	98
80) Benzo(a)anthracene	13.92	228	101011	7.19	ng	99
82) Chrysene	13.95	228	68695	4.94	ng	96
85) Indeno(1,2,3-cd)pyrene	16.66	276	30976	2.90	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	123808	9.42	ng	# 91
88) Benzo(k)fluoranthene	14.94	252	123808	10.82	ng	97
89) Benzo(a)pyrene	15.27	252	65326	5.87	ng	97
91) Benzo(g,h,i)perylene	17.06	276	30377	3.16	ng	95

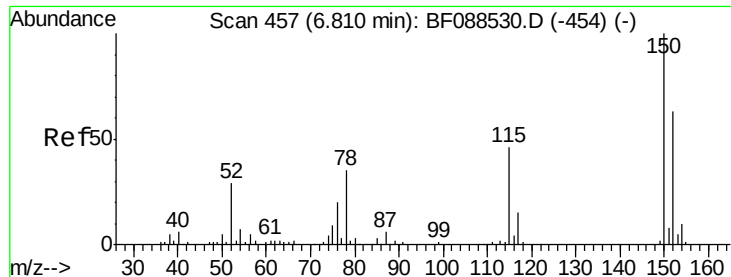
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

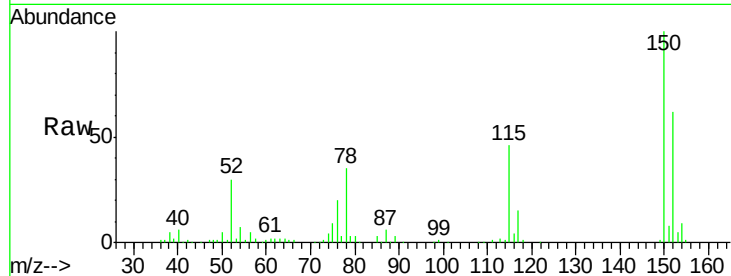
Tgt Ion:152 Resp: 106858

Ion Ratio Lower Upper

152 100

150 162.0 123.8 185.6

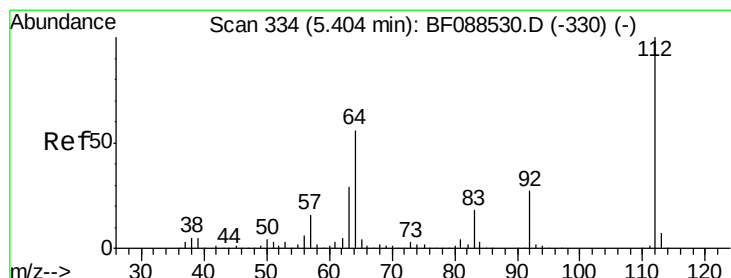
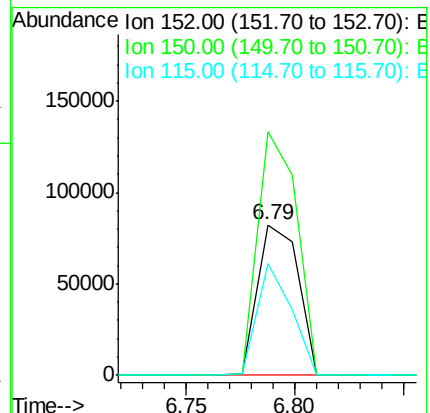
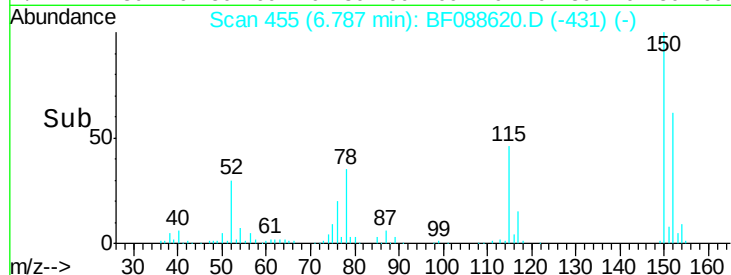
115 74.6 39.6 59.4#



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: 104.89 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

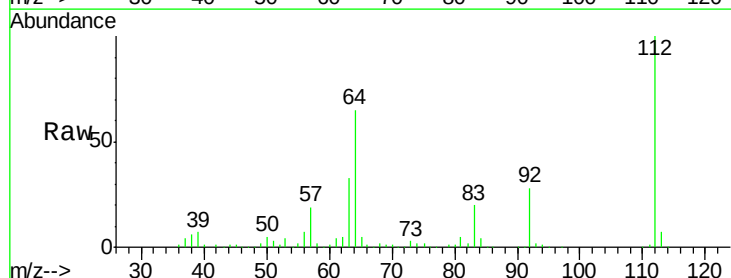
Tgt Ion:112 Resp: 747863

Ion Ratio Lower Upper

112 100

64 64.7 42.2 63.2#

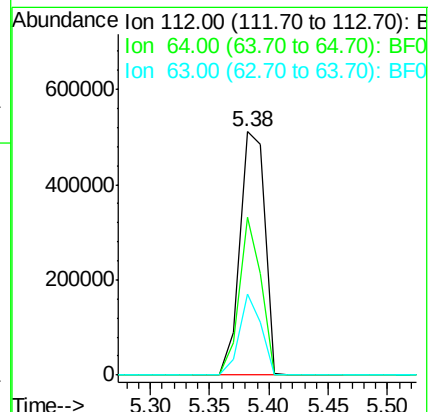
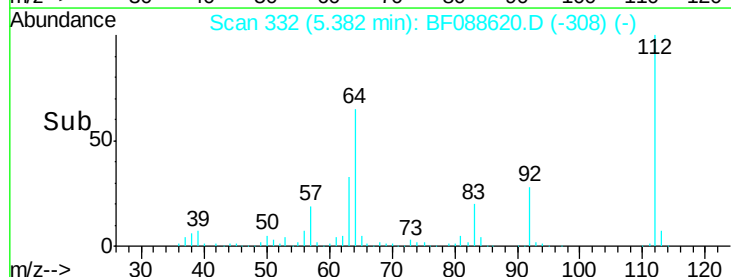
63 33.2 21.8 32.8#

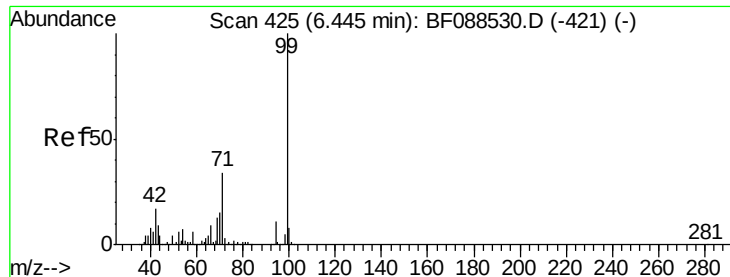


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.27 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

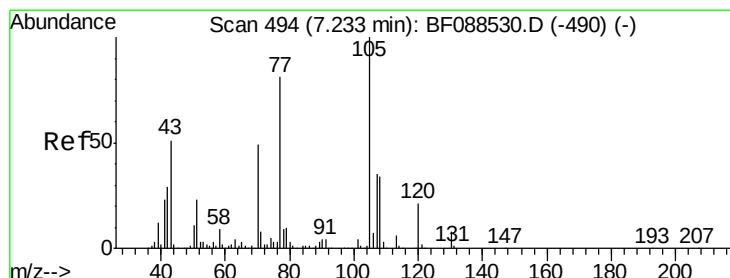
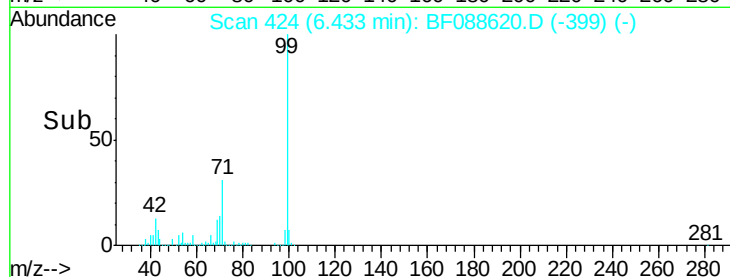
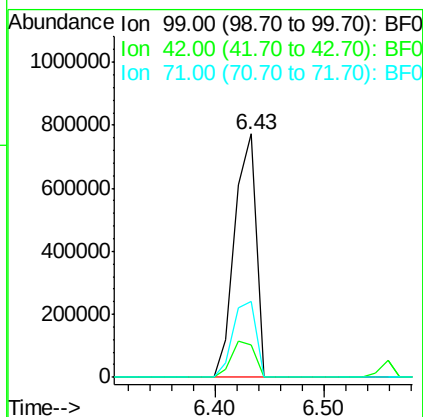
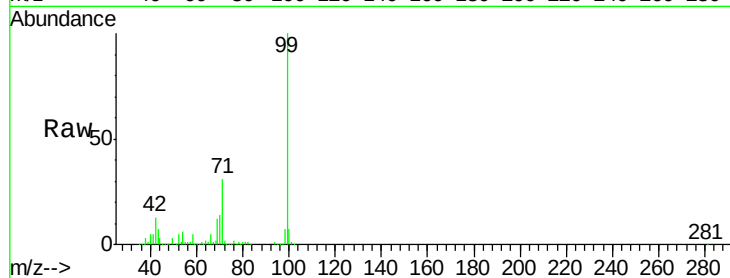
Tgt Ion: 99 Resp: 1034340

Ion Ratio Lower Upper

99 100

42 13.3 12.2 18.2

71 31.3 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.15 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Tgt Ion: 70 Resp: 87580

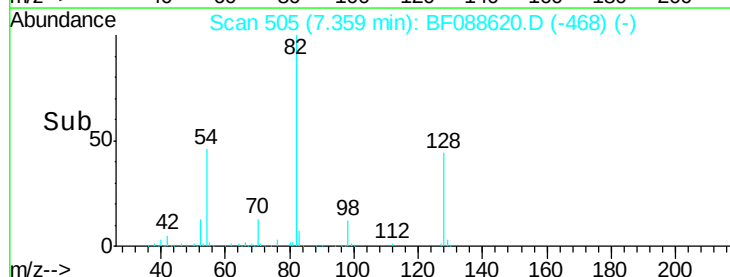
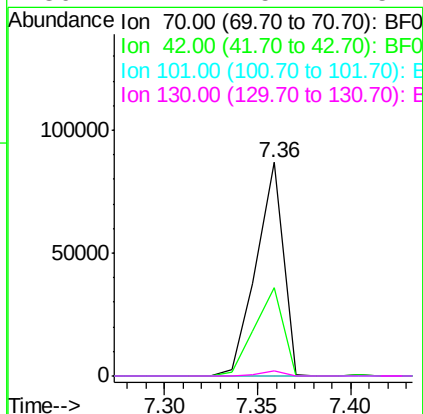
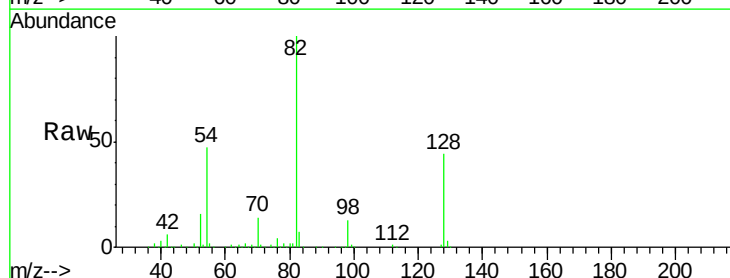
Ion Ratio Lower Upper

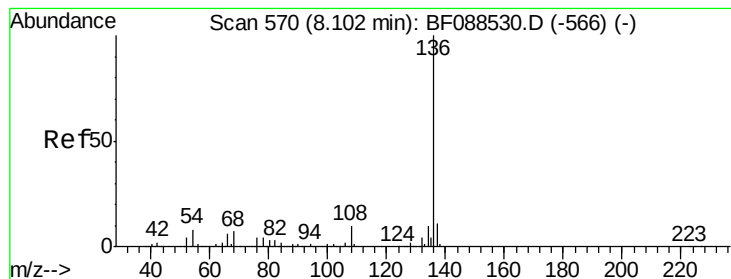
70 100

42 41.1 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

Tgt Ion: 136 Resp: 446610

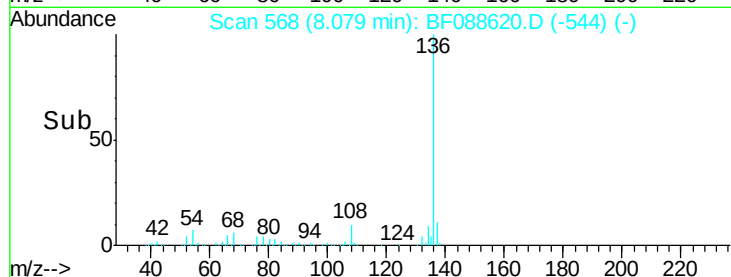
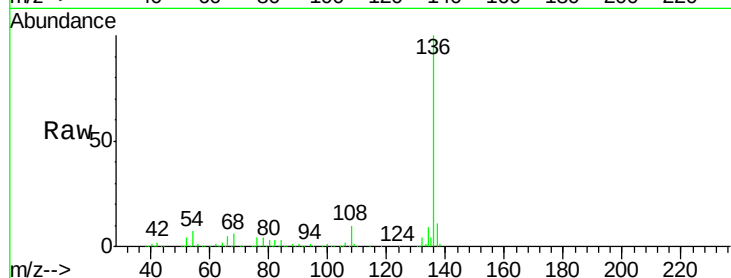
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 7.4 6.6 10.0

68 6.4 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

8.08

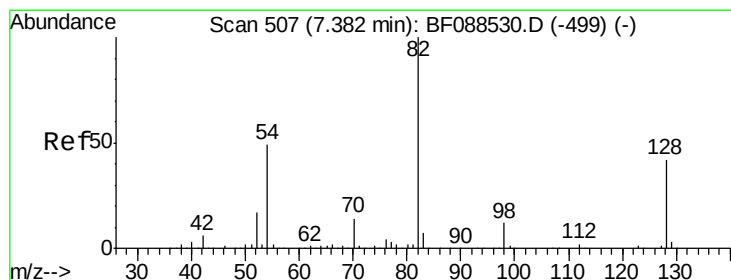
600000

400000

200000

0

Time--> 8.00 8.05 8.10 8.15



#23

Nitrobenzene-d5

Concen: 76.27 ng

RT: 7.36 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

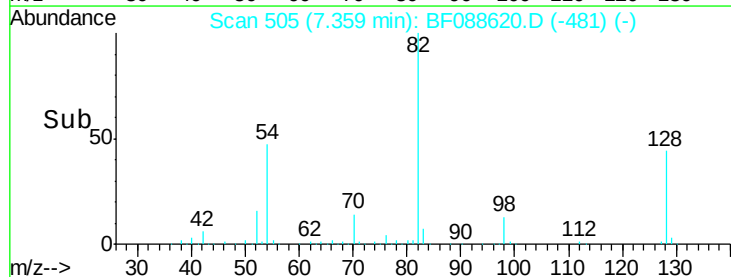
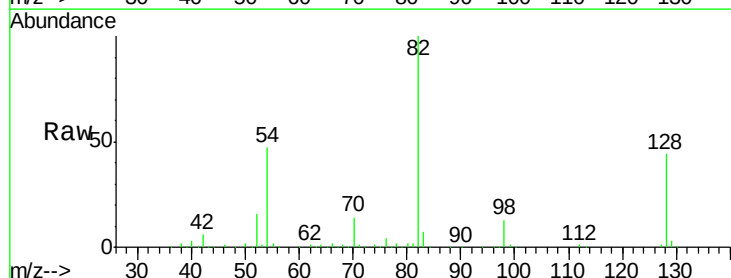
Tgt Ion: 82 Resp: 650025

Ion Ratio Lower Upper

82 100

128 43.9 35.9 53.9

54 46.8 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

7.36

800000

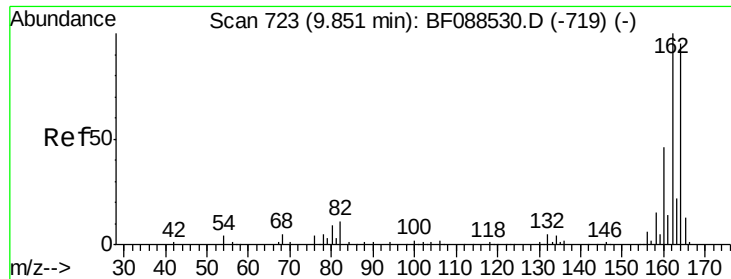
600000

400000

200000

0

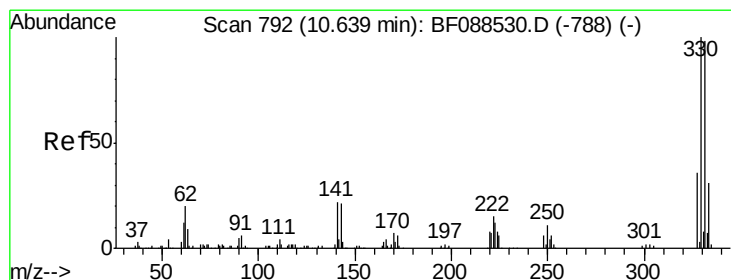
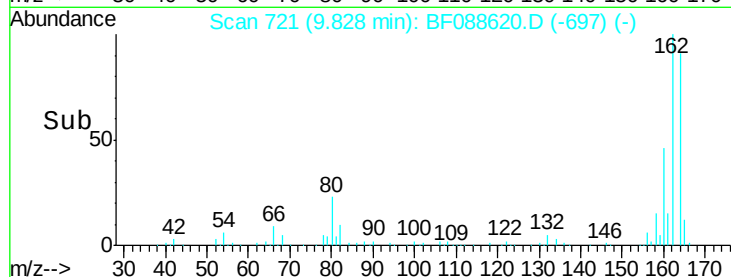
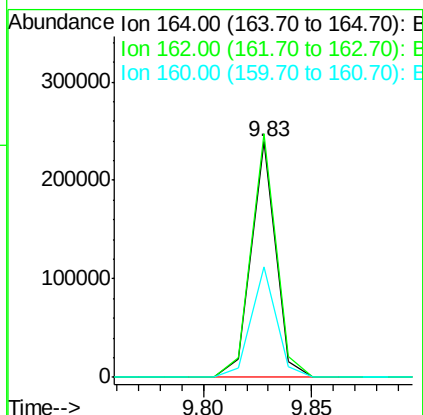
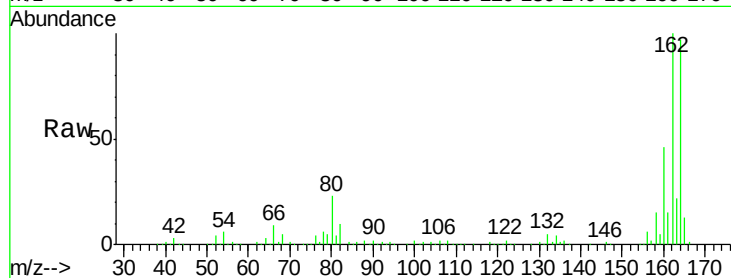
Time--> 7.30 7.35 7.40



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.02 min
 Lab File: BF088620.D
 Acq: 2 Jul 2016 16:40

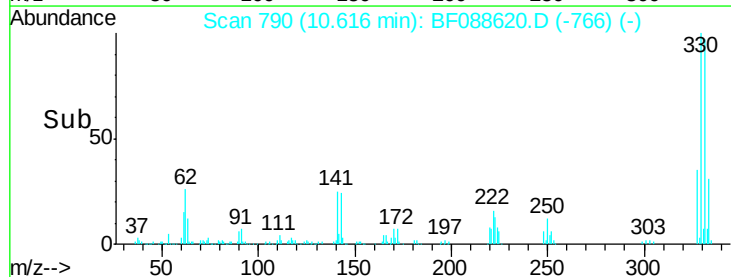
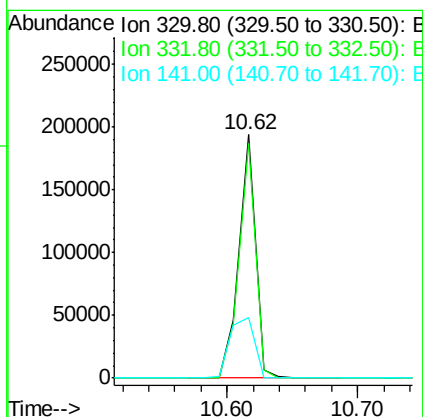
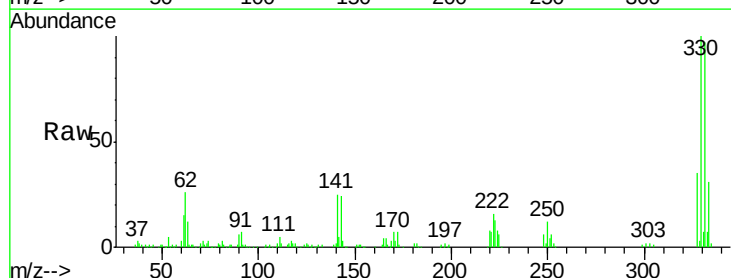
Instrument :
 BNA_F
 ClientSampleId :
 L8-B1(0-12)C

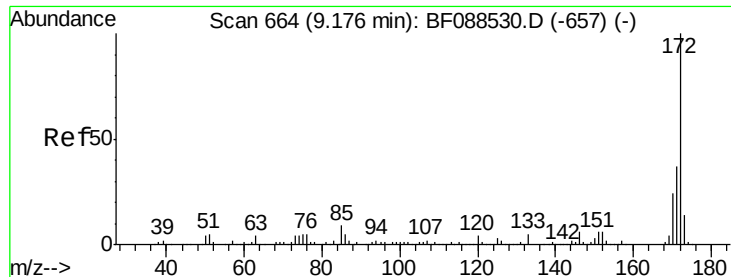
Tgt Ion:164 Resp: 187671
 Ion Ratio Lower Upper
 164 100
 162 103.5 85.4 128.2
 160 47.2 39.5 59.3



#41
 2,4,6-Tribromophenol
 Concen: 97.82 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088620.D
 Acq: 2 Jul 2016 16:40

Tgt Ion:330 Resp: 170475
 Ion Ratio Lower Upper
 330 100
 332 96.0 0.0 0.0#
 141 37.4 0.0 0.0#

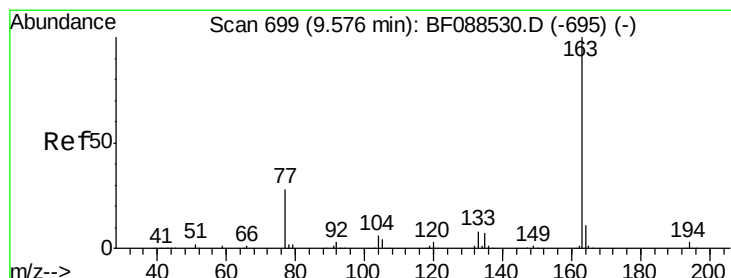
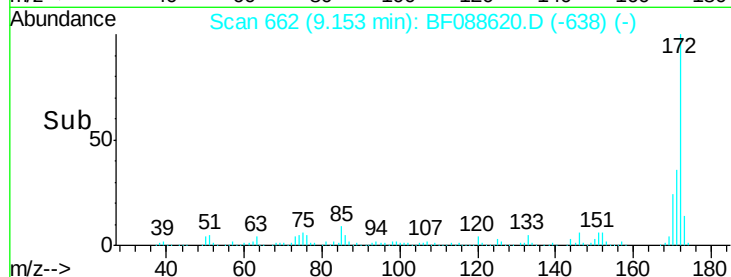
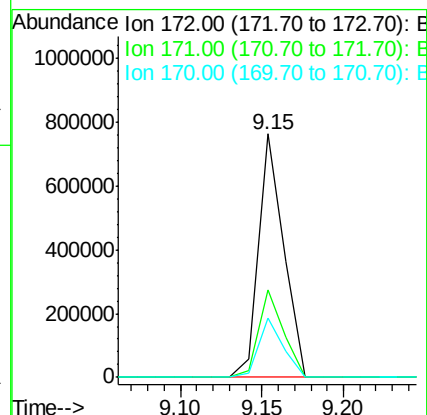
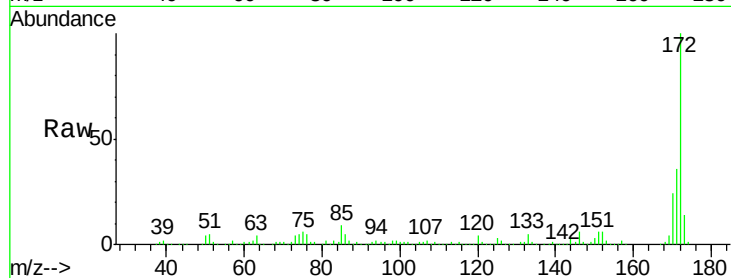




#44
2-Fluorobiphenyl
Concen: 68.58 ng
RT: 9.15 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF088620.D
Acq: 2 Jul 2016 16:40

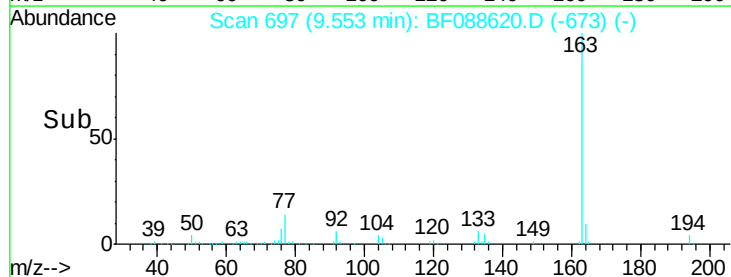
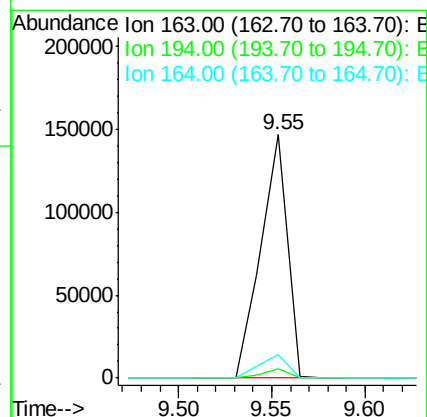
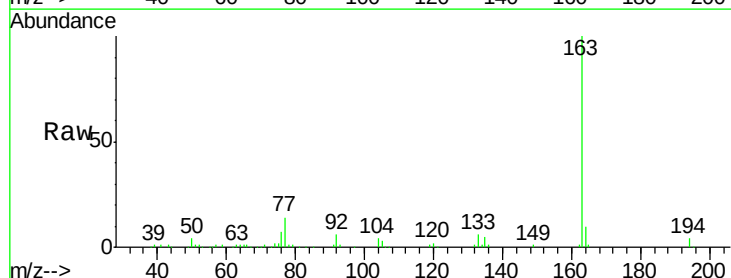
Instrument :
BNA_F
ClientSampleId :
L8-B1(0-12)C

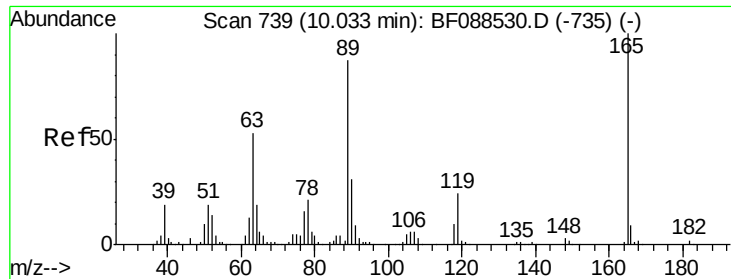
Tgt Ion:172 Resp: 814808
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 24.1 19.2 28.8



#49
Dimethylphthalate
Concen: 10.80 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.02 min
Lab File: BF088620.D
Acq: 2 Jul 2016 16:40

Tgt Ion:163 Resp: 144364
Ion Ratio Lower Upper
163 100
194 3.9 2.8 4.2
164 9.8 8.3 12.5

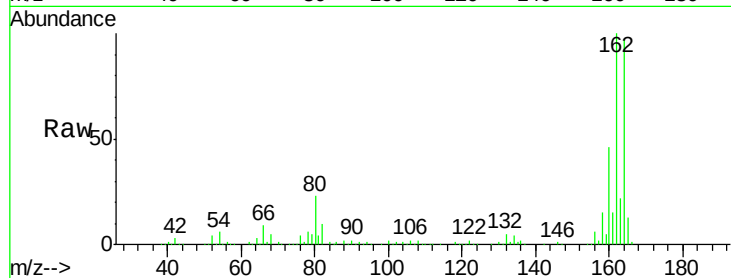




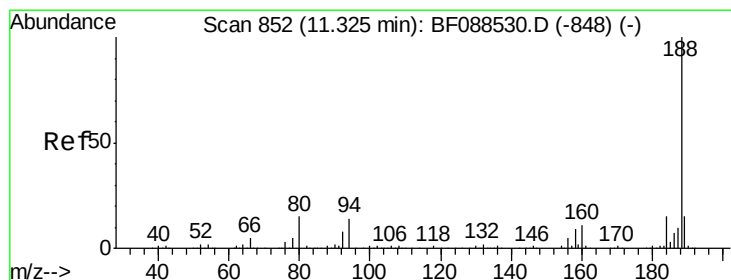
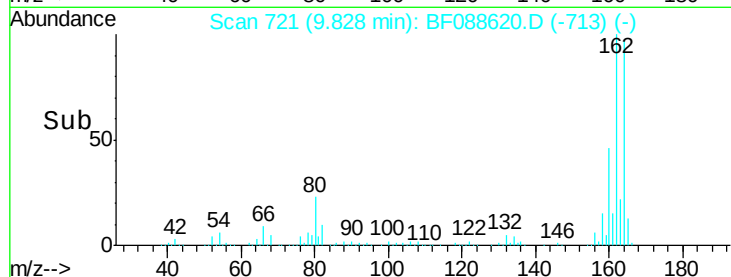
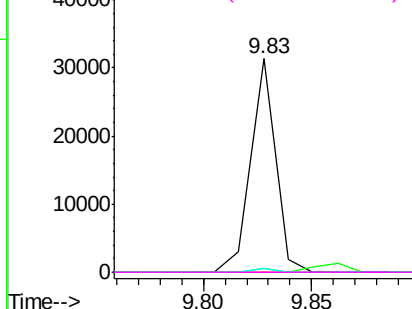
#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.21 min
 Lab File: BF088620.D
 Acq: 2 Jul 2016 16:40

Instrument :
 BNA_F
 ClientSampleId :
 L8-B1(0-12)C

Tgt Ion:165 Resp: 24873
 Ion Ratio Lower Upper
 165 100
 63 1.6 22.0 33.0#
 89 1.7 41.1 61.7#
 182 0.0 2.0 3.0#

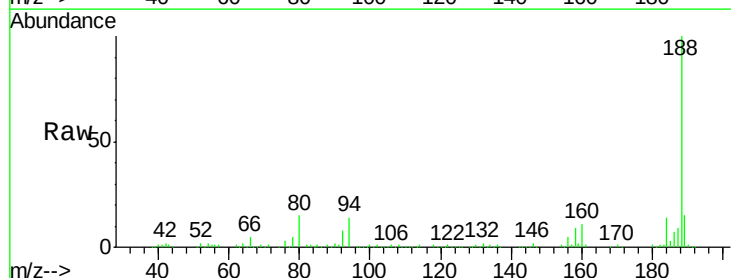


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

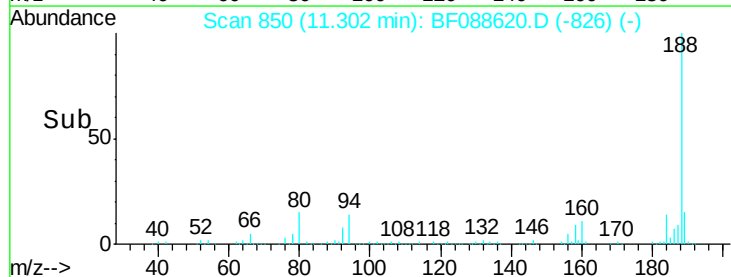
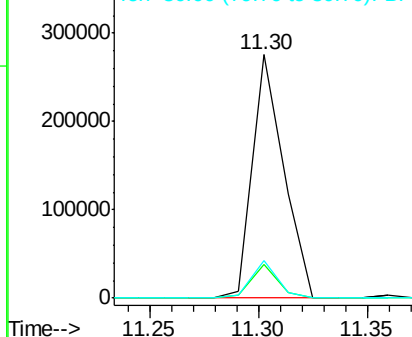


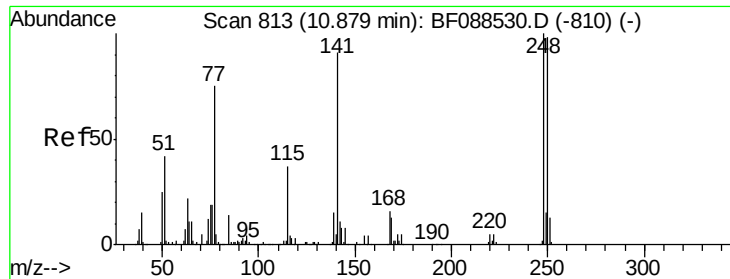
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: BF088620.D
 Acq: 2 Jul 2016 16:40

Tgt Ion:188 Resp: 275651
 Ion Ratio Lower Upper
 188 100
 94 13.8 9.0 13.6#
 80 15.5 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

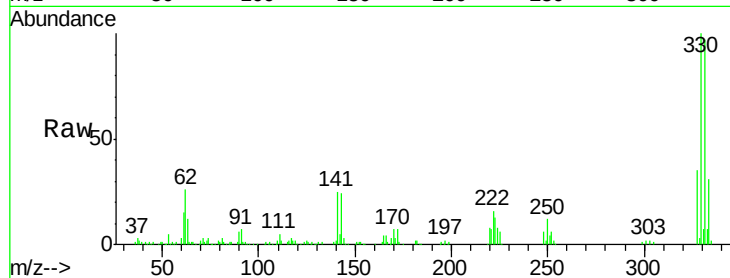




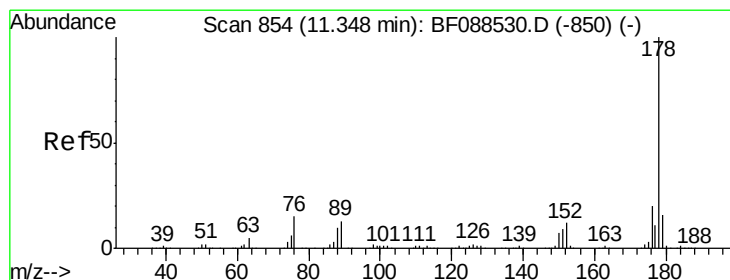
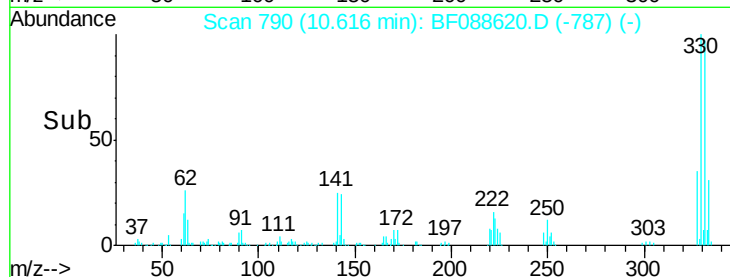
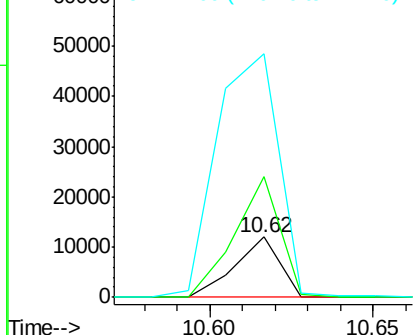
#66
 4-Bromophenyl-phenylether
 Concen: 4.06 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.26 min
 Lab File: BF088620.D
 Acq: 2 Jul 2016 16:40

Instrument :
 BNA_F
 ClientSampleId :
 L8-B1(0-12)C

Tgt Ion:248 Resp: 11287
 Ion Ratio Lower Upper
 248 100
 250 201.1 77.1 115.7#
 141 405.8 50.6 76.0#

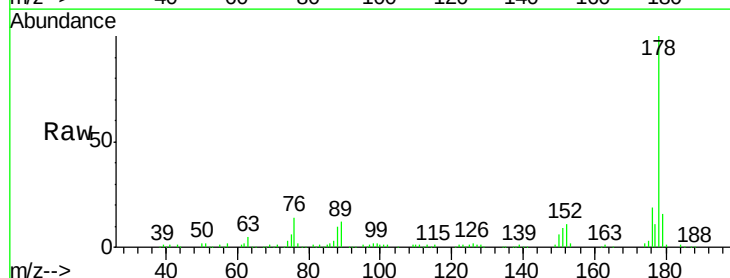


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

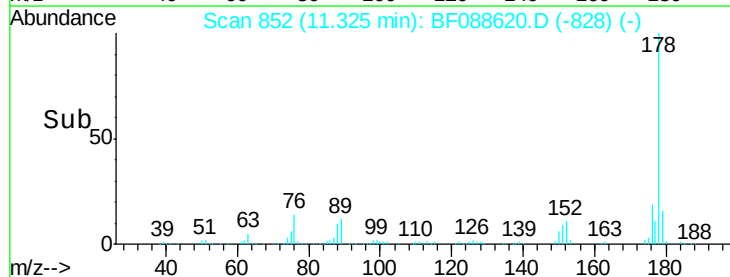
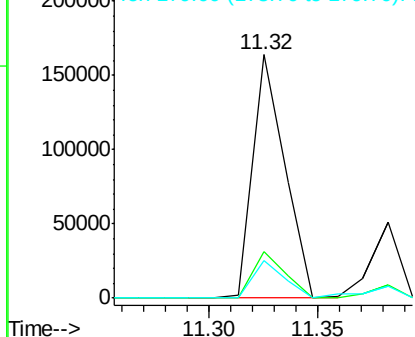


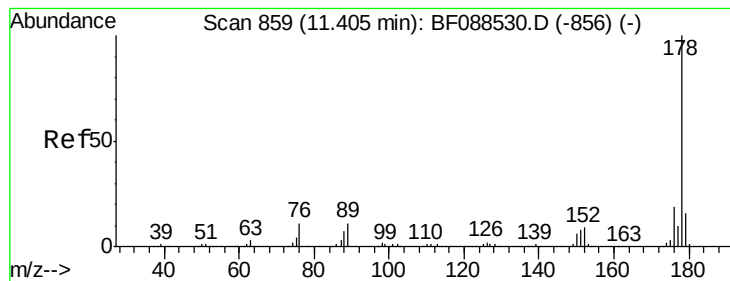
#70
 Phenanthrene
 Concen: 11.20 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: BF088620.D
 Acq: 2 Jul 2016 16:40

Tgt Ion:178 Resp: 168697
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.6
 179 15.6 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





#71

Anthracene

Concen: 3.06 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

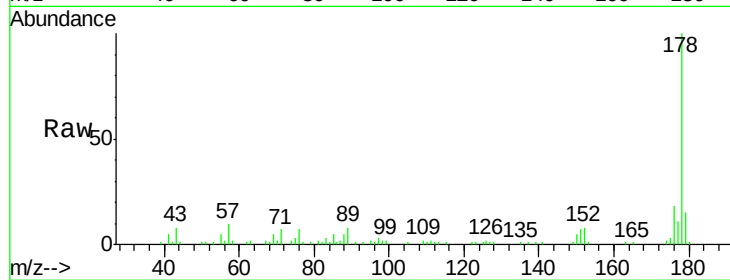
Tgt Ion:178 Resp: 45782

Ion Ratio Lower Upper

178 100

176 17.8 15.6 23.4

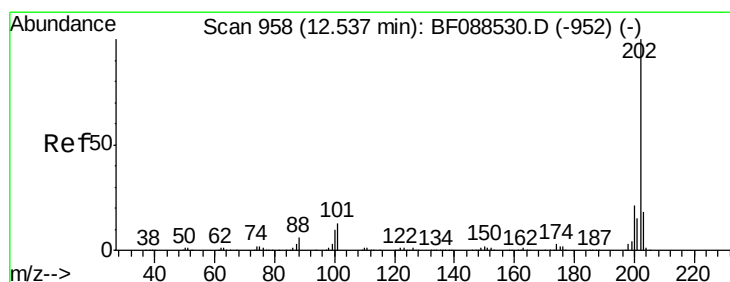
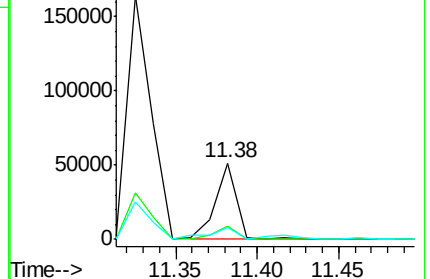
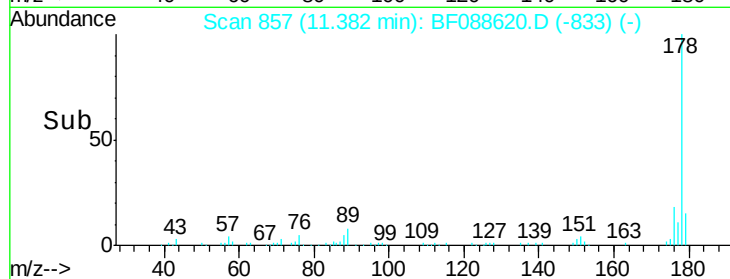
179 15.2 12.8 19.2



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: 14.14 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

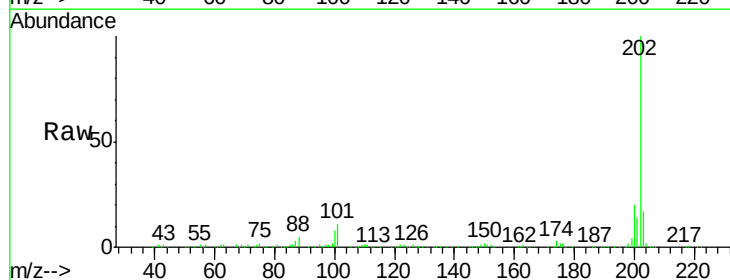
Tgt Ion:202 Resp: 215941

Ion Ratio Lower Upper

202 100

101 10.8 0.0 33.1

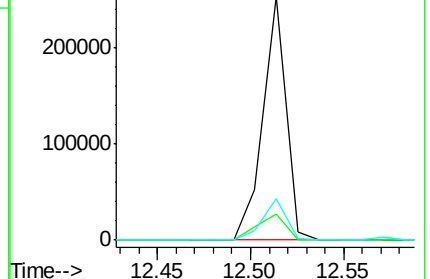
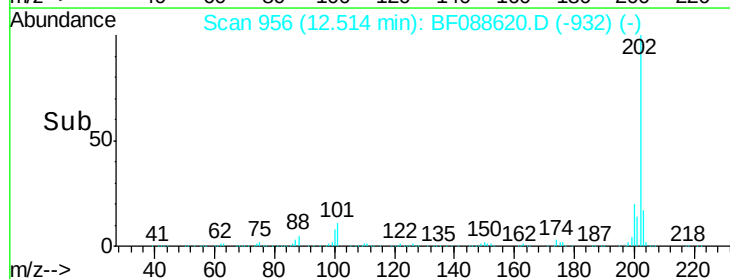
203 17.3 0.0 38.1

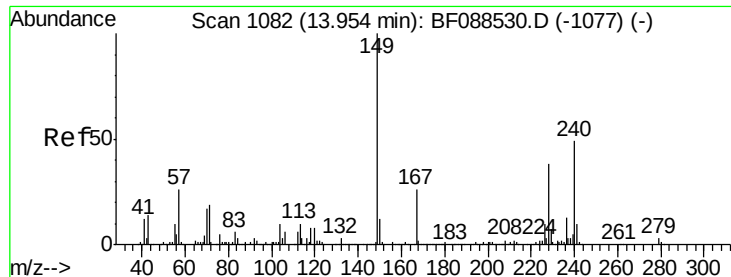


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

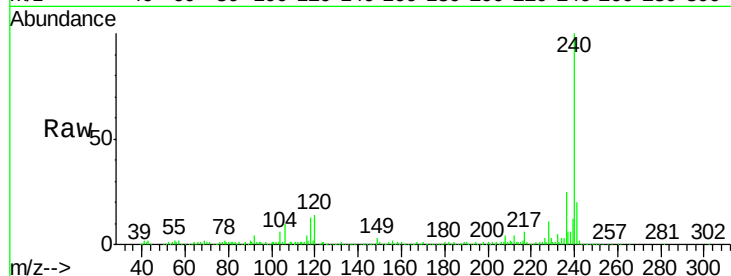
Tgt Ion:240 Resp: 218174

Ion Ratio Lower Upper

240 100

120 13.9 6.8 10.2#

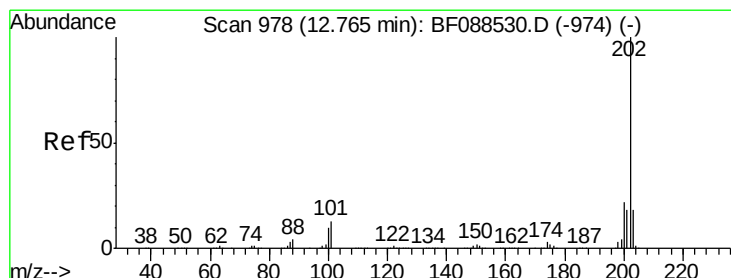
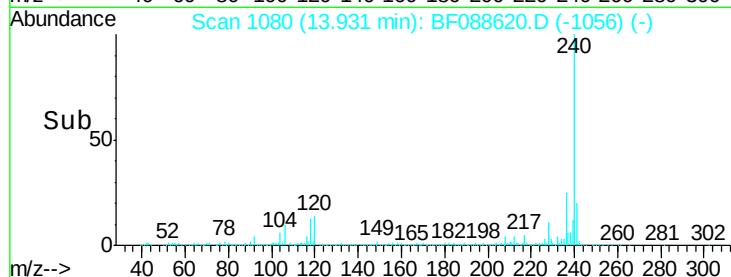
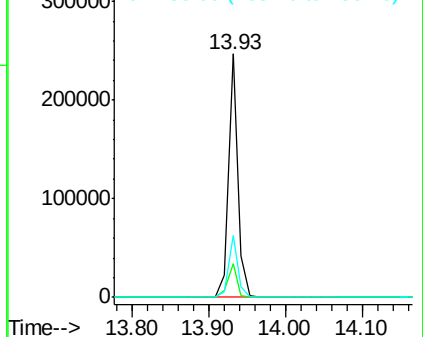
236 25.4 20.2 30.2



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: 10.18 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

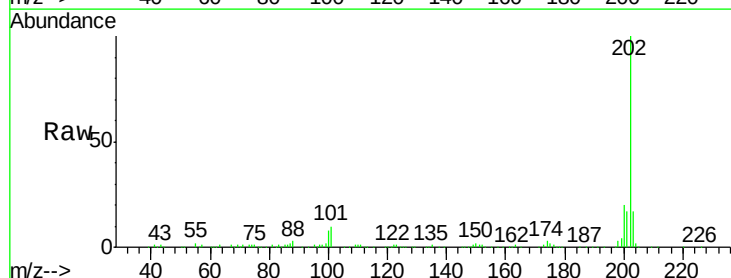
Tgt Ion:202 Resp: 188280

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

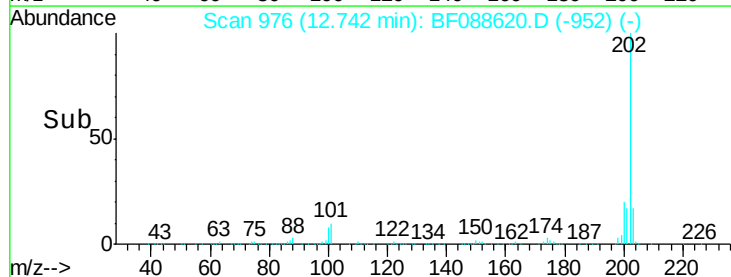
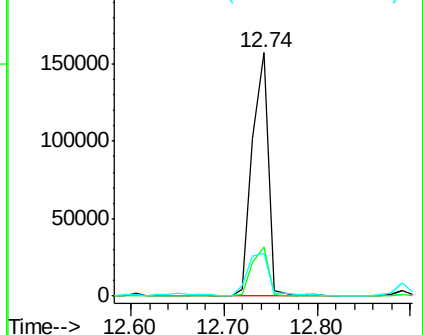
203 17.5 14.5 21.7

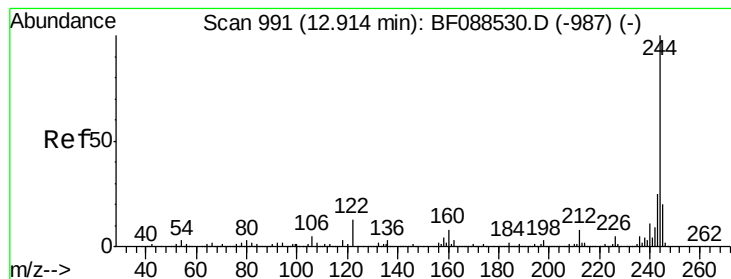


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 51.41 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

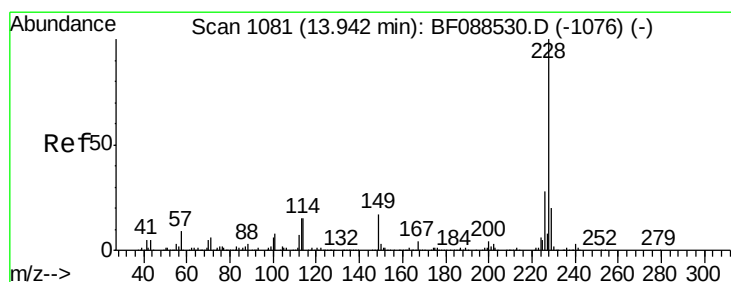
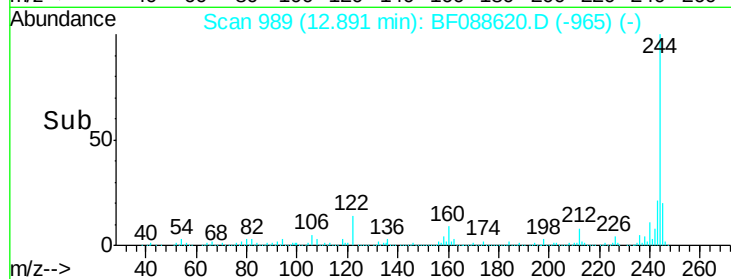
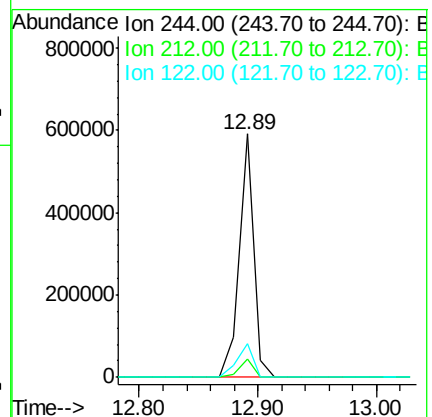
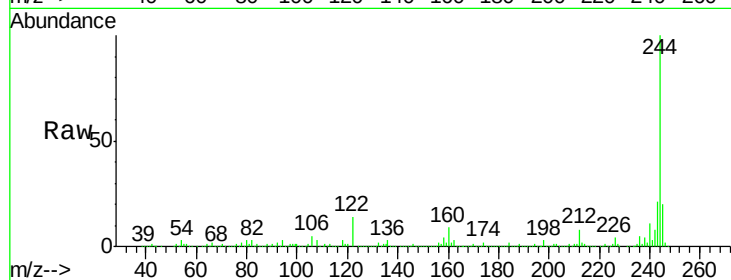
Tgt Ion:244 Resp: 503543

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 13.7 11.2 16.8



#80

Benzo(a)anthracene

Concen: 7.19 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

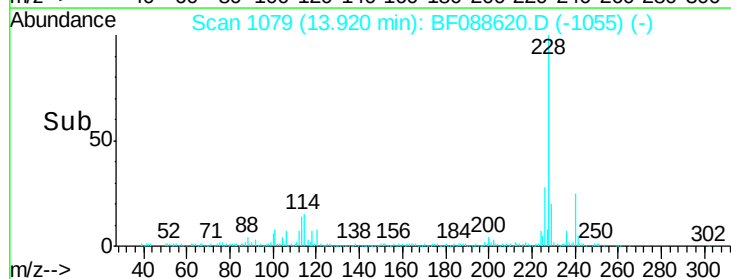
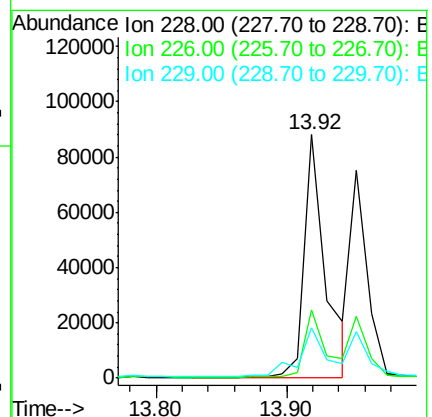
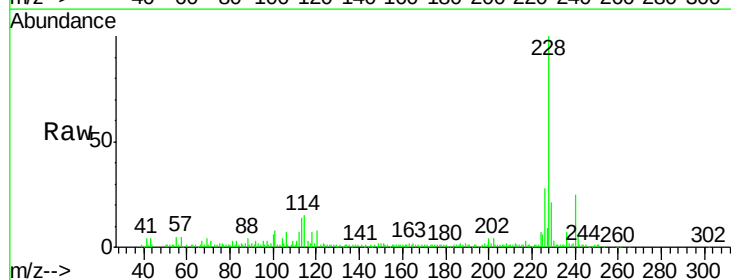
Tgt Ion:228 Resp: 101011

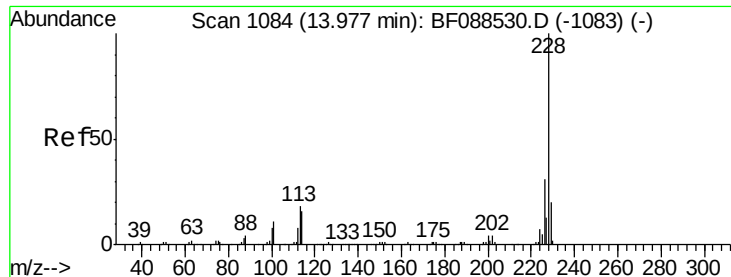
Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

229 20.8 16.0 24.0





#82

Chrysene

Concen: 4.94 ng

RT: 13.95 min Scan# 1082

Delta R.T. -0.02 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C

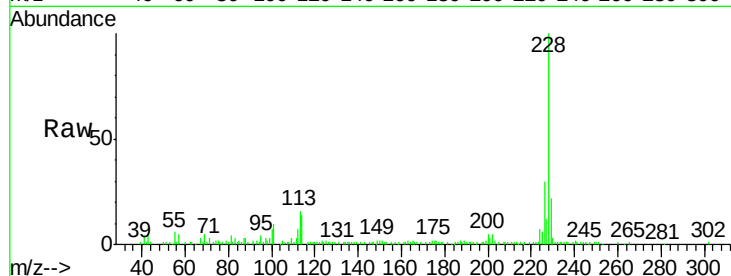
Tgt Ion:228 Resp: 68695

Ion Ratio Lower Upper

228 100

226 29.8 25.4 38.2

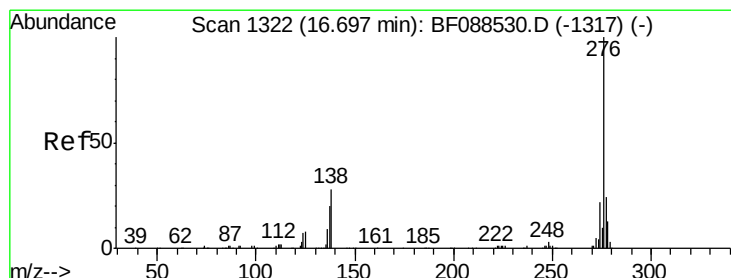
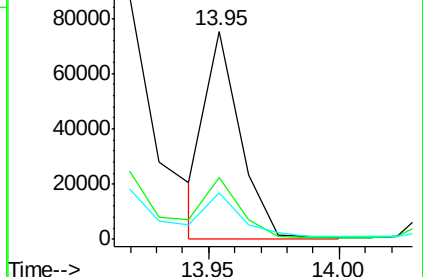
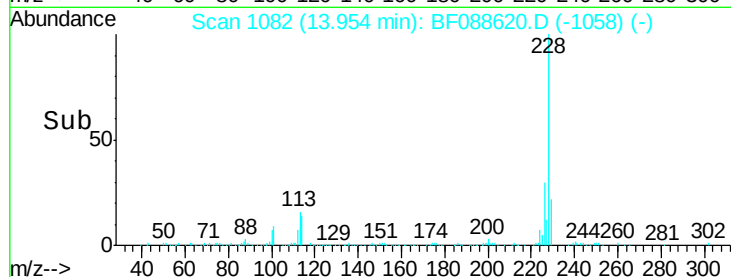
229 22.4 16.3 24.5



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: 2.90 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.03 min

Lab File: BF088620.D

Acq: 2 Jul 2016 16:40

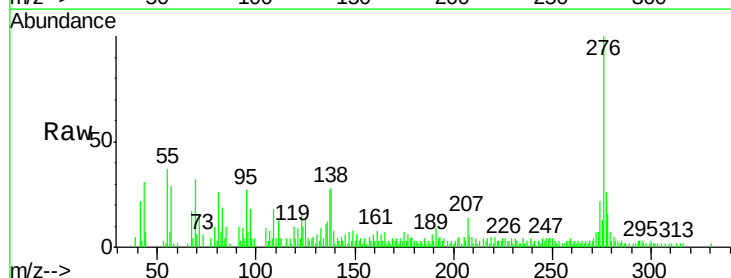
Tgt Ion:276 Resp: 30976

Ion Ratio Lower Upper

276 100

138 28.2 0.0 0.0#

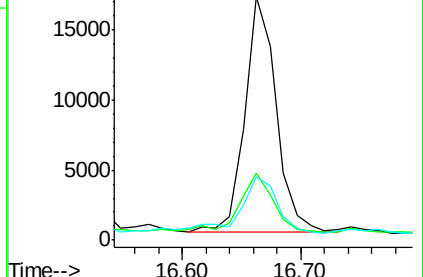
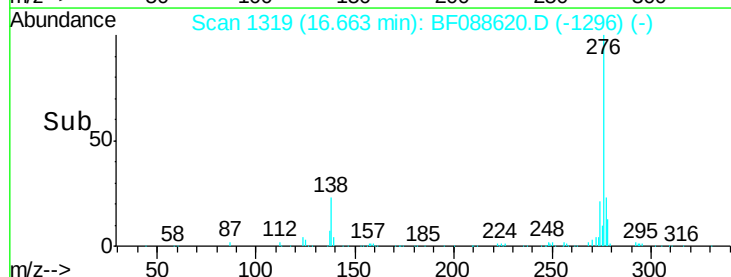
277 31.0 0.0 0.0#

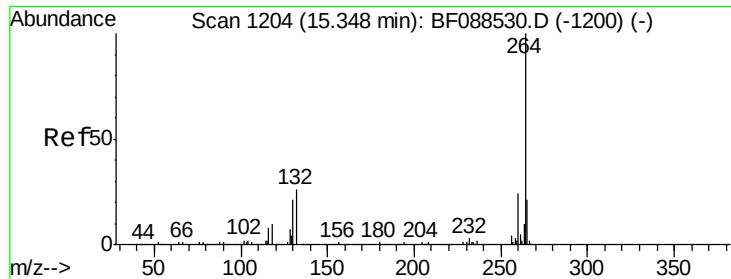


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

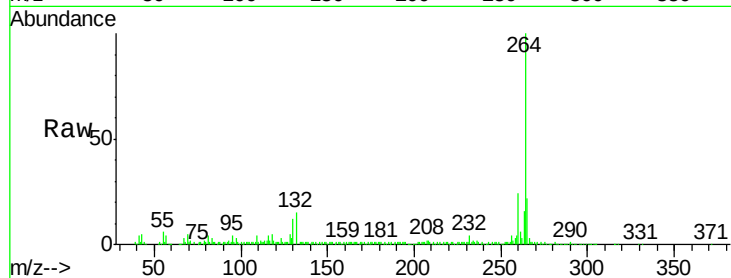




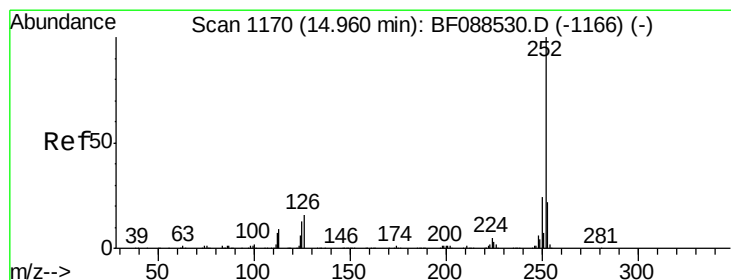
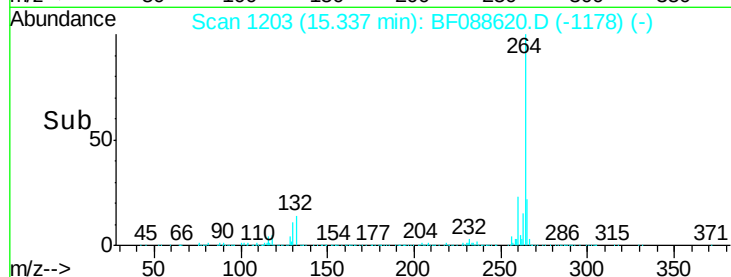
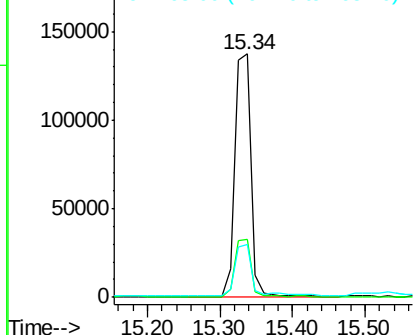
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF088620.D
Acq: 2 Jul 2016 16:40

Instrument :
BNA_F
ClientSampleId :
L8-B1(0-12)C

Tgt Ion:264 Resp: 209559
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.9 16.9 25.3

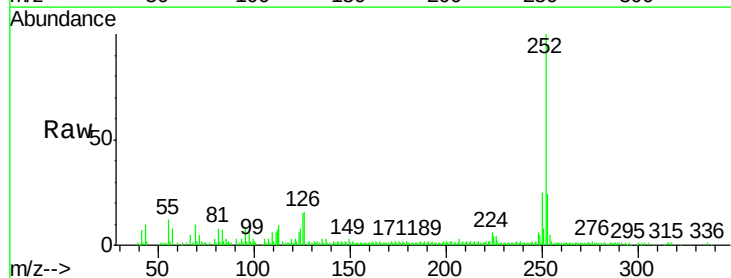


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

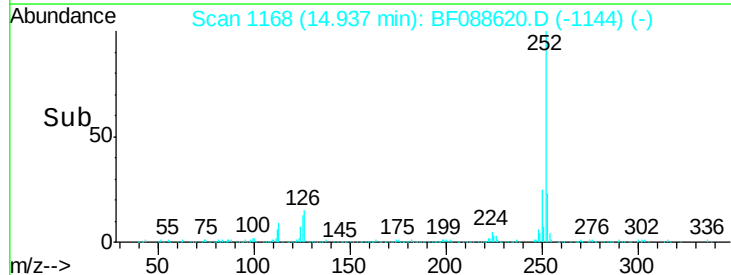
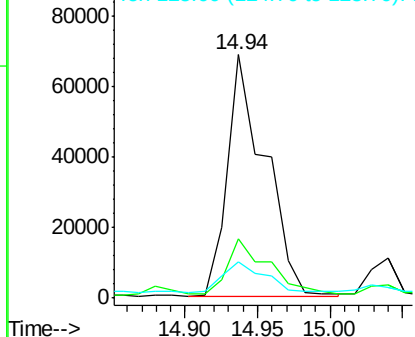


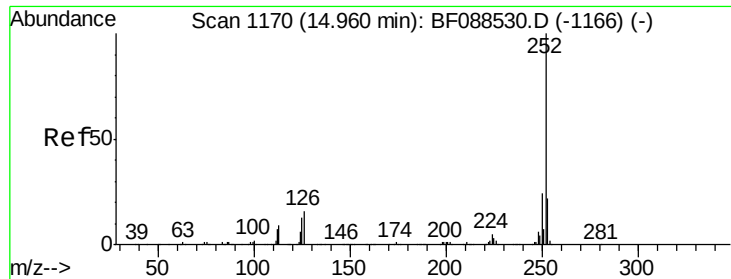
#87
Benzo(b)fluoranthene
Concen: 9.42 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088620.D
Acq: 2 Jul 2016 16:40

Tgt Ion:252 Resp: 123808
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 14.9 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

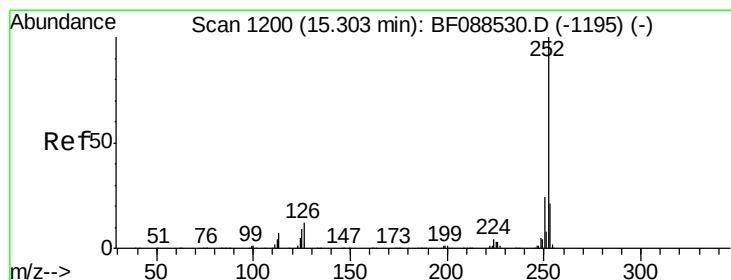
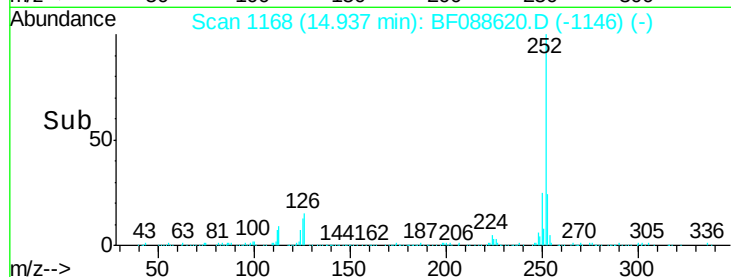
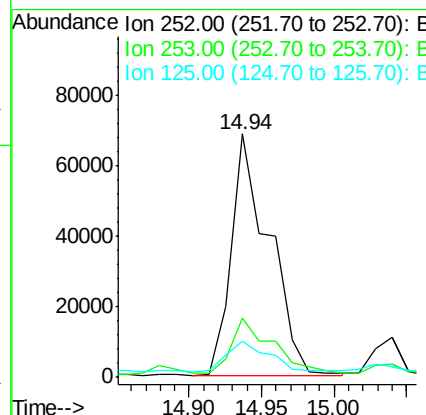
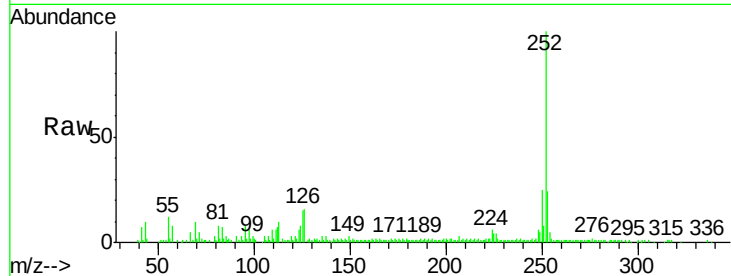




#88
Benzo(k)fluoranthene
Concen: 10.82 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088620.D
Acq: 2 Jul 2016 16:40

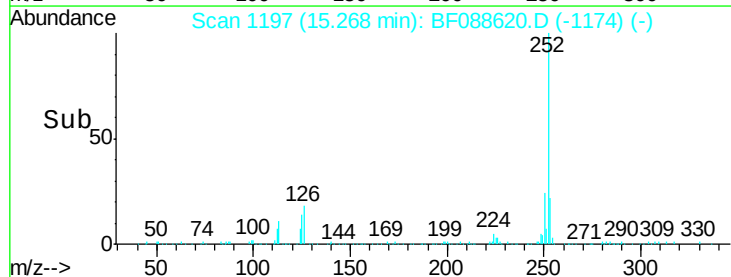
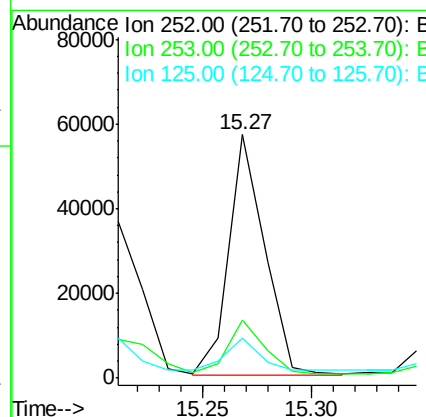
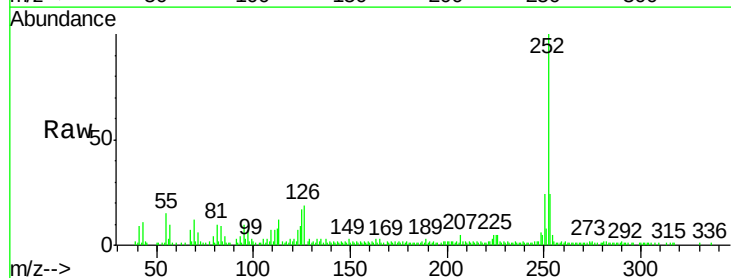
Instrument :
BNA_F
ClientSampleId :
L8-B1(0-12)C

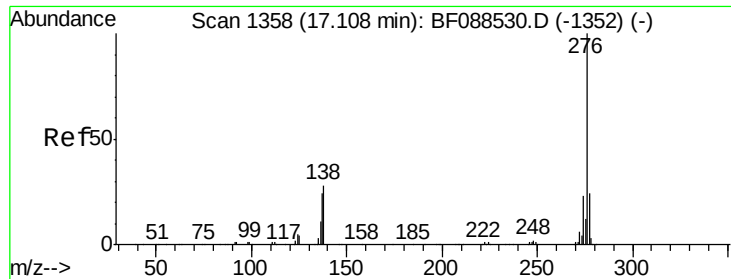
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	14.9	11.2	16.8



#89
Benzo(a)pyrene
Concen: 5.87 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088620.D
Acq: 2 Jul 2016 16:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	16.7	12.5	18.7





#91

Benzo(g,h,i)perylene

Concen: 3.16 ng

RT: 17.06 min Scan# 1354

Delta R.T. -0.05 min

Lab File: BF088620.D

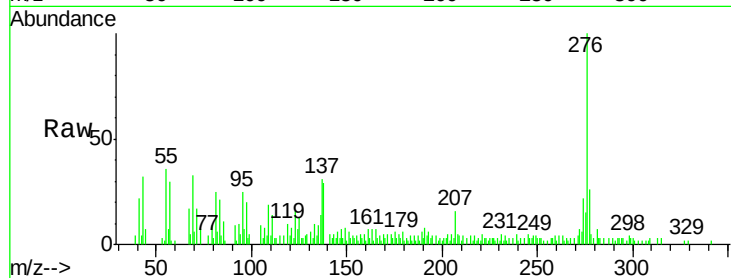
Acq: 2 Jul 2016 16:40

Instrument :

BNA_F

ClientSampleId :

L8-B1(0-12)C



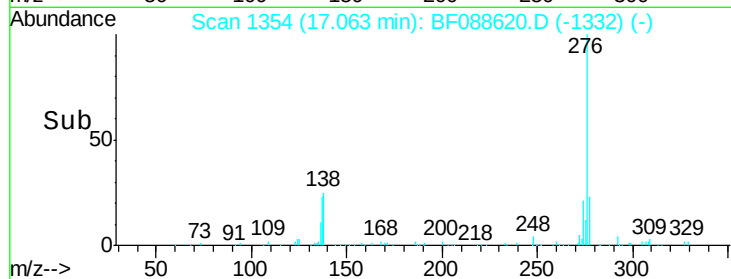
Tgt Ion: 276 Resp: 30377

Ion Ratio Lower Upper

276 100

277 26.4 18.9 28.3

138 29.4 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

