

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
 Data File : BF087377.D
 Acq On : 25 May 2016 17:52
 Operator : UM/SJ
 Sample : H3211-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

Quant Time: May 25 22:30:02 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 25 16:26:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	106408	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	424919	20.00	ng	-0.01
38) Acenaphthene-d10	12.38	164	181206	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	293517	20.00	ng	0.00
75) Chrysene-d12	18.47	240	227918	20.00	ng	-0.01
86) Perylene-d12	20.14	264	184469	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	924812	152.72	ng	0.01
7) Phenol-d6	7.06	99	1284250	156.95	ng	-0.01
23) Nitrobenzene-d5	8.43	82	889273	105.47	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	219656	126.14	ng	-0.01
44) 2-Fluorobiphenyl	11.34	172	1394754	108.51	ng	0.00
78) Terphenyl-d14	17.13	244	940282	87.71	ng	0.00

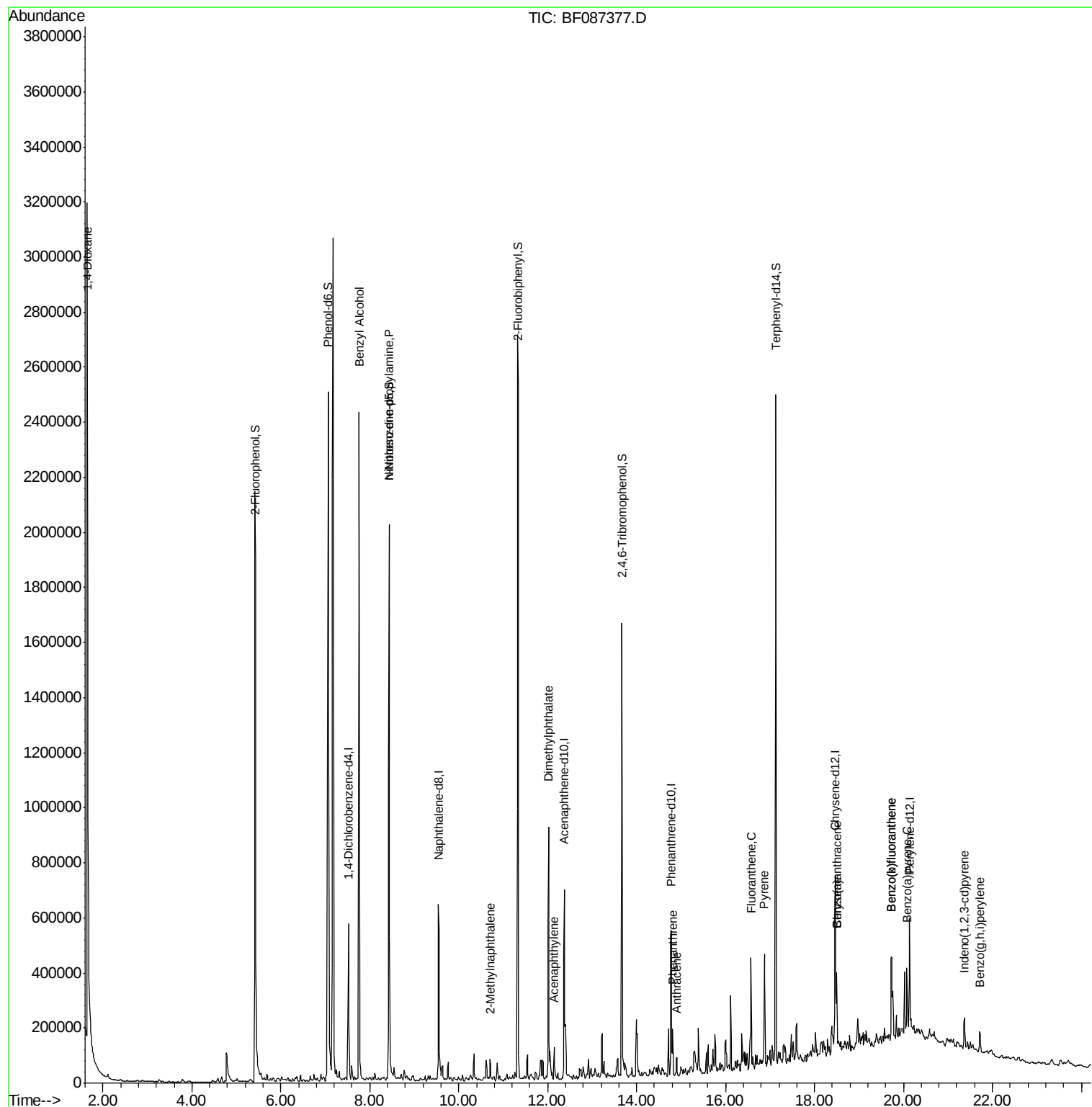
Target Compounds						Qvalue
2) 1,4-Dioxane	1.64	88	114106	35.71	ng	# 22
15) Benzyl Alcohol	7.76	79	16536	2.77	ng	# 41
19) n-Nitroso-di-n-propylamine	8.43	70	124357	20.38	ng	# 74
37) 2-Methylnaphthalene	10.71	142	26877	2.02	ng	# 93
48) Acenaphthylene	12.15	152	52295	2.83	ng	98
49) Dimethylphthalate	12.02	163	453217	31.22	ng	99
70) Phenanthrene	14.81	178	84189	5.18	ng	99
71) Anthracene	14.90	178	44417	2.70	ng	99
74) Fluoranthene	16.57	202	192152	11.79	ng	93
77) Pyrene	16.87	202	201587	12.29	ng	96
80) Benzo(a)anthracene	18.50	228	119470	9.22	ng	97
82) Chrysene	18.50	228	121094	9.41	ng	98
85) Indeno(1,2,3-cd)pyrene	21.37	276	63009	6.11	ng	# 89
87) Benzo(b)fluoranthene	19.74	252	251852	21.43	ng	# 96
88) Benzo(k)fluoranthene	19.74	252	251852	24.90	ng	99
89) Benzo(a)pyrene	20.08	252	103863	10.22	ng	95
91) Benzo(g,h,i)perylene	21.71	276	56991	6.66	ng	97

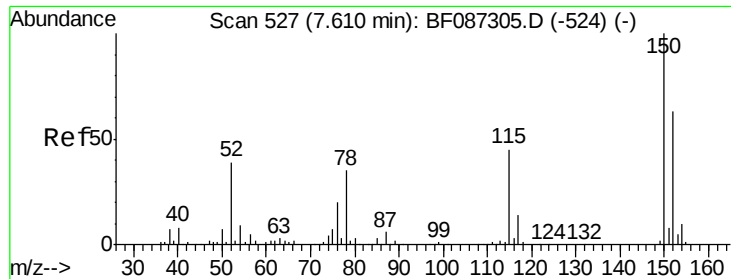
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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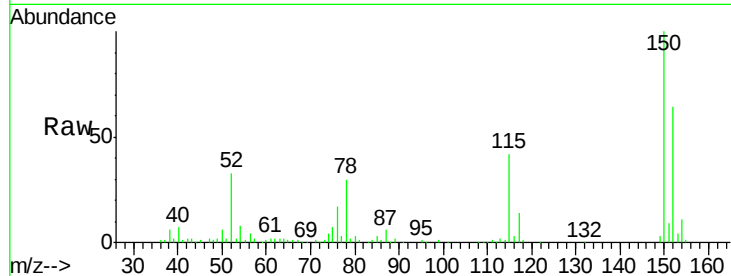


#1

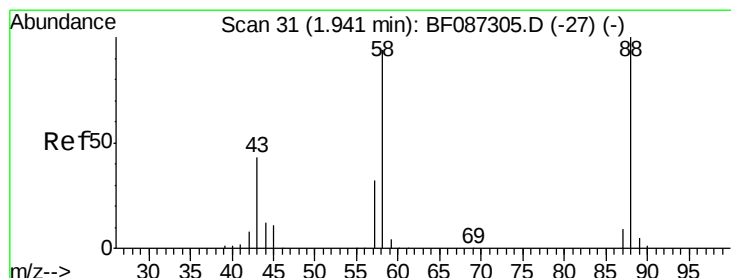
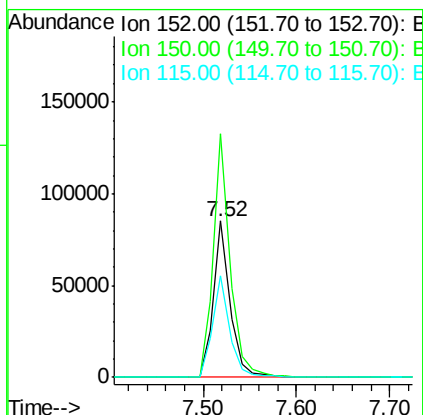
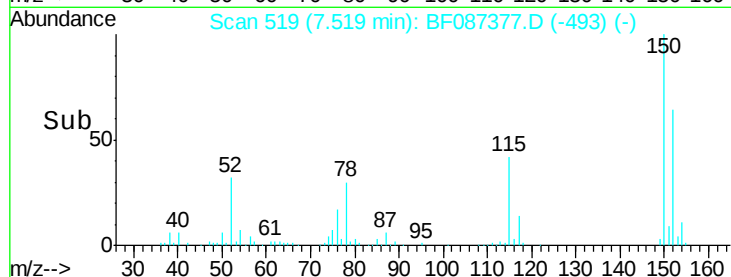
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tgt Ion: 152 Resp: 106408
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.6
115 64.9 51.5 77.3



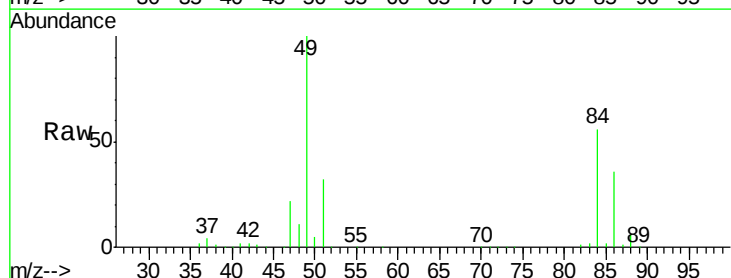
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



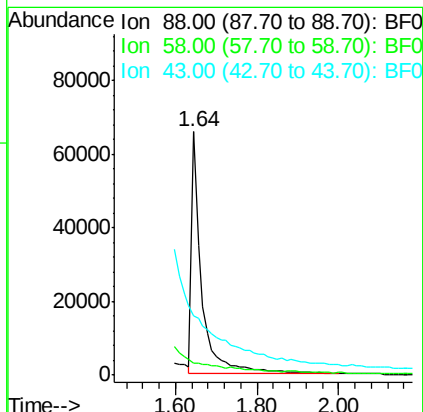
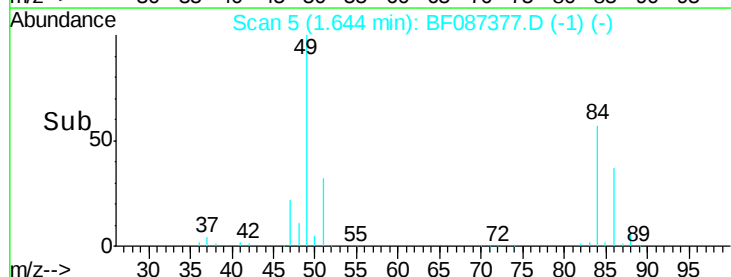
#2

1,4-Dioxane
Concen: 35.71 ng
RT: 1.64 min Scan# 5
Delta R.T. -0.17 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion: 88 Resp: 114106
Ion Ratio Lower Upper
88 100
58 0.0 59.6 89.4#
43 0.0 21.8 32.6#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 152.72 ng

RT: 5.43 min Scan# 336

Delta R.T. 0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

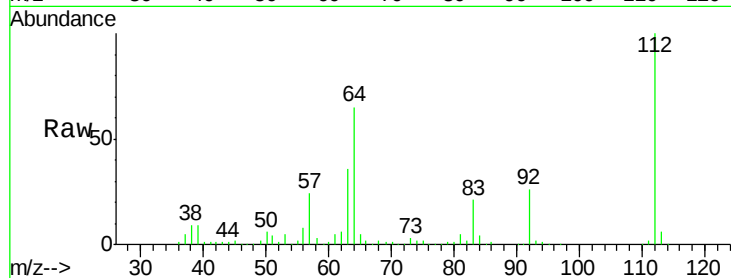
Tgt Ion: 112 Resp: 924812

Ion Ratio Lower Upper

112 100

64 65.2 52.1 78.1

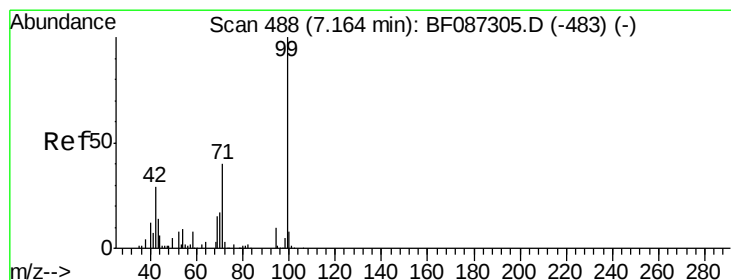
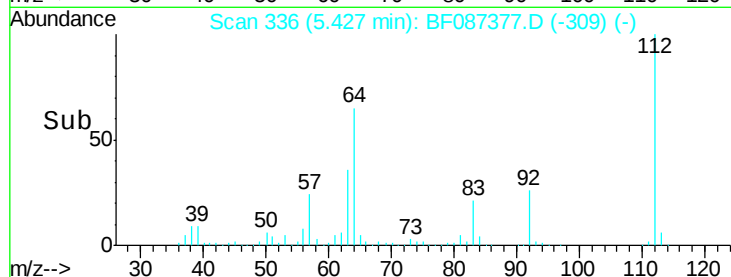
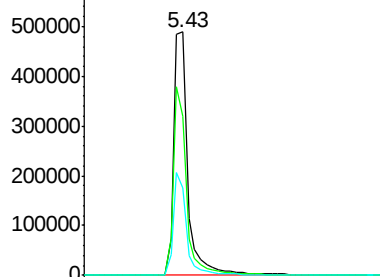
63 36.1 25.7 38.5



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: 156.95 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

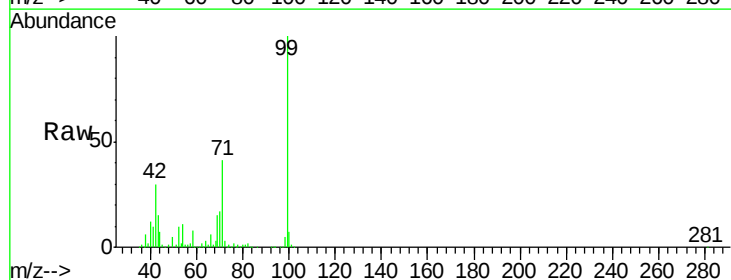
Tgt Ion: 99 Resp: 1284250

Ion Ratio Lower Upper

99 100

42 30.0 13.6 20.4#

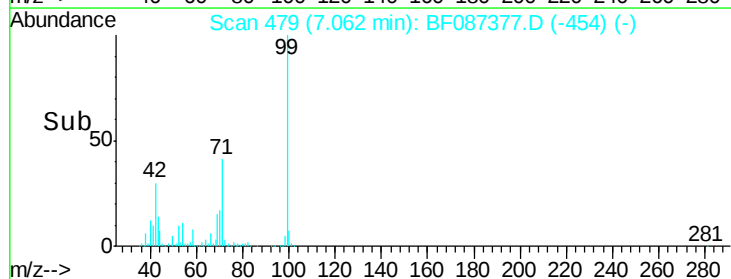
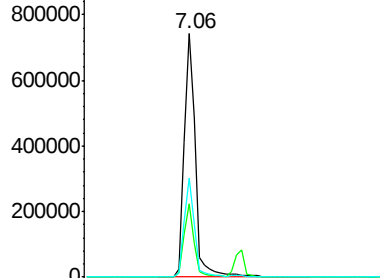
71 40.6 24.6 36.8#

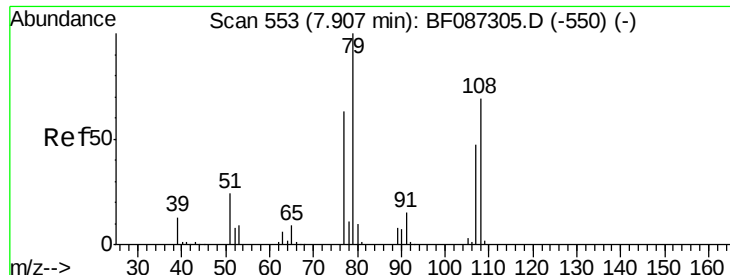


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.77 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.06 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

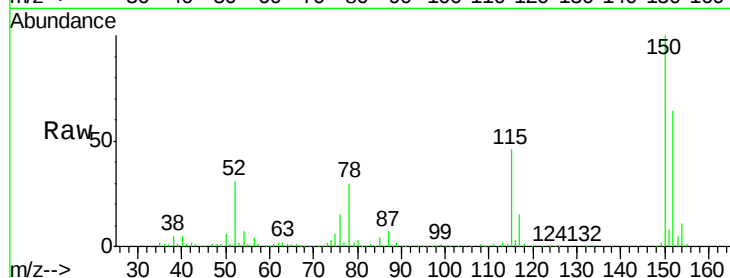
Tgt Ion: 79 Resp: 16536

Ion Ratio Lower Upper

79 100

108 32.3 68.4 102.6#

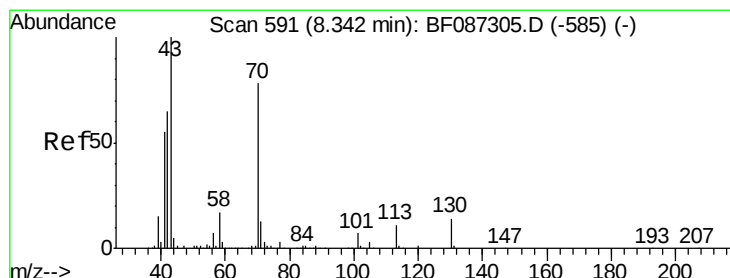
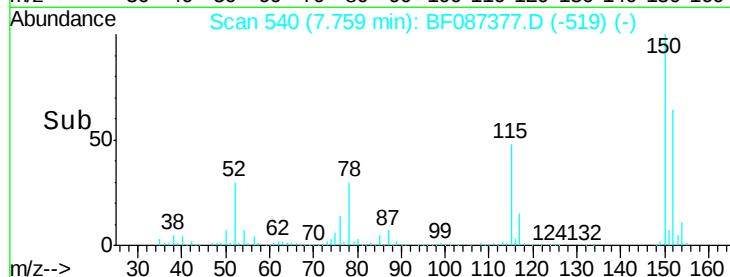
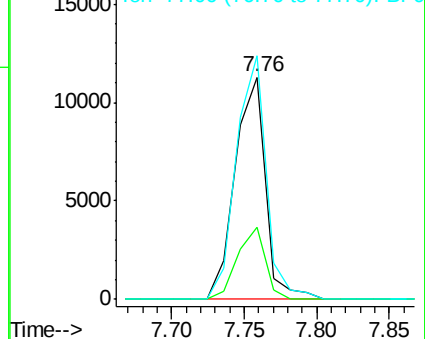
77 109.5 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.38 ng

RT: 8.43 min Scan# 599

Delta R.T. 0.18 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Tgt Ion: 70 Resp: 124357

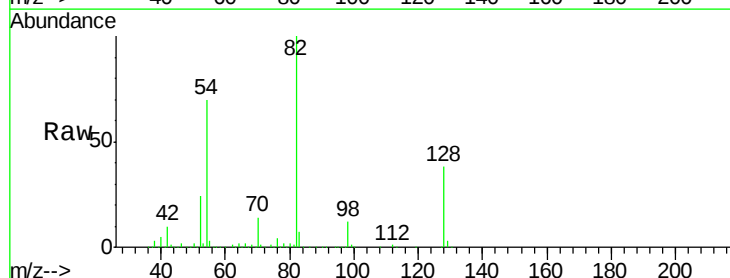
Ion Ratio Lower Upper

70 100

42 66.4 43.1 64.7#

101 0.0 8.1 12.1#

130 1.6 18.6 28.0#

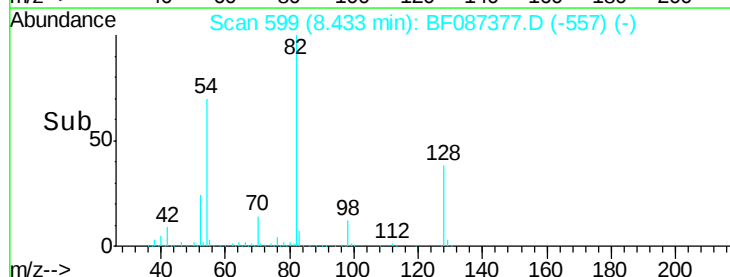
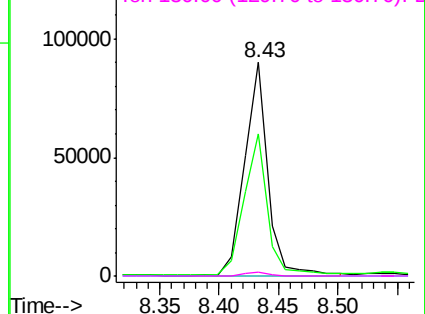


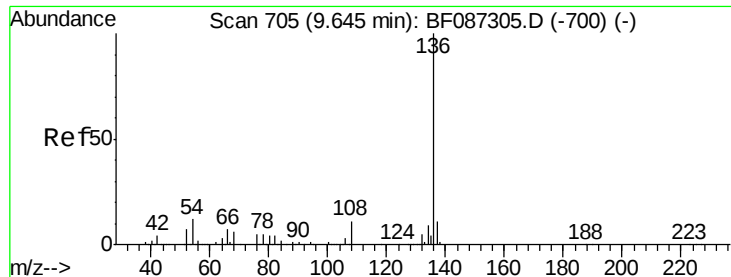
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

Tgt Ion:136 Resp: 424919

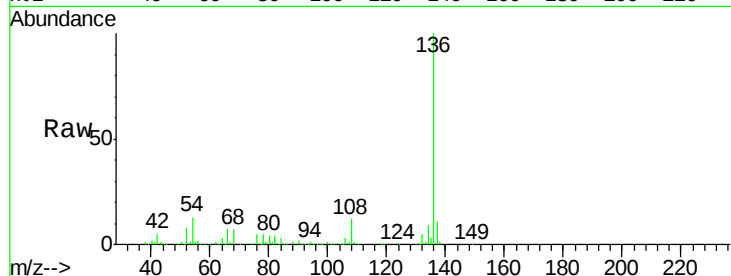
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 12.7 5.0 7.4#

68 6.6 4.4 6.6#

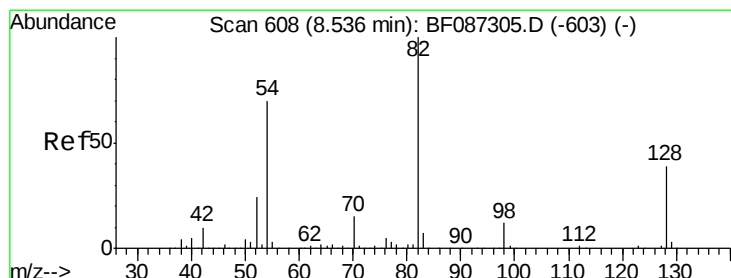
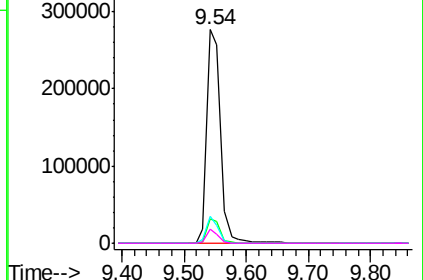
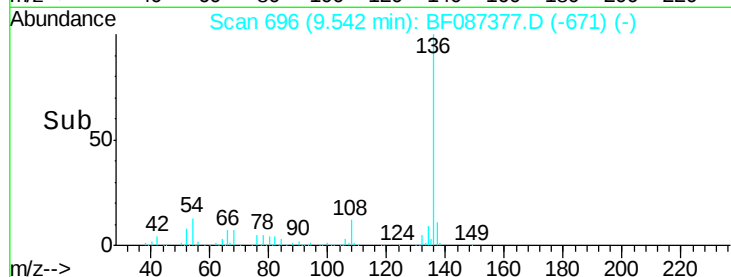


Abundance Ion 136.00 (135.70 to 136.70): E

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: 105.47 ng

RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

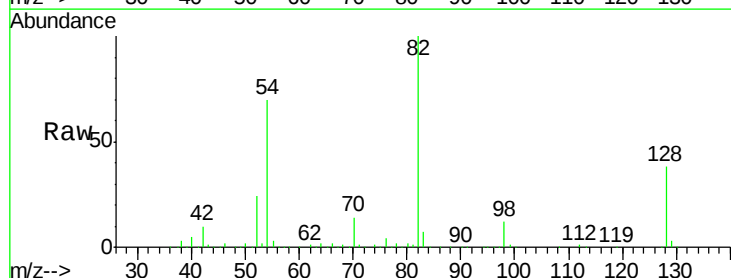
Tgt Ion: 82 Resp: 889273

Ion Ratio Lower Upper

82 100

128 38.1 40.6 61.0#

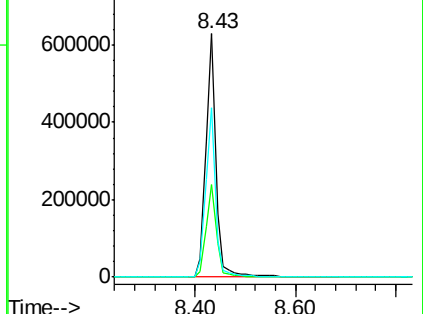
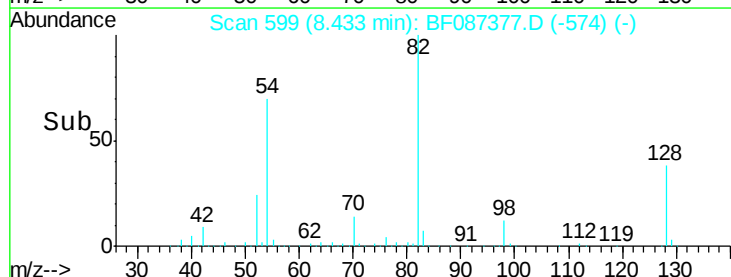
54 69.8 38.1 57.1#

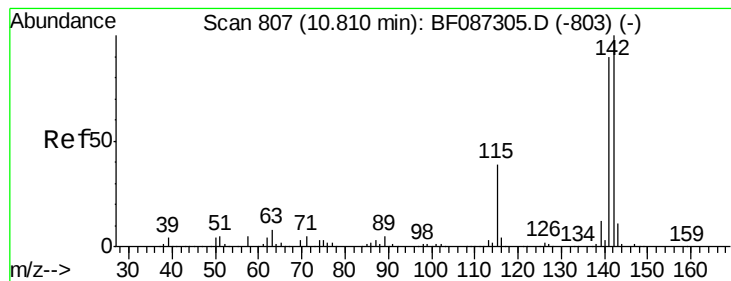


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#37

2-Methylnaphthalene

Concen: 2.02 ng

RT: 10.71 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

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ClientSampleId :

TA-1294-(0-4)

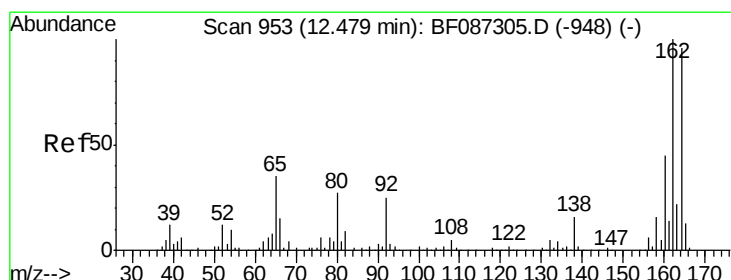
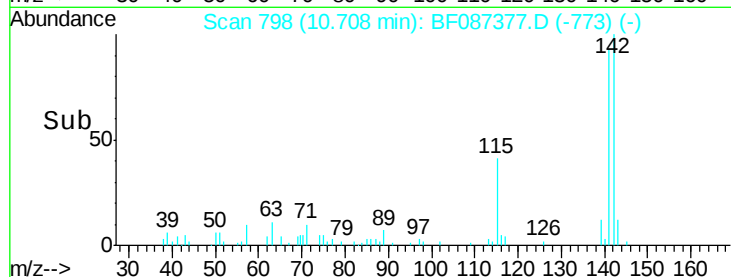
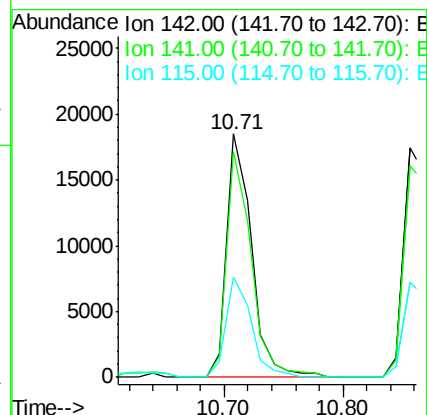
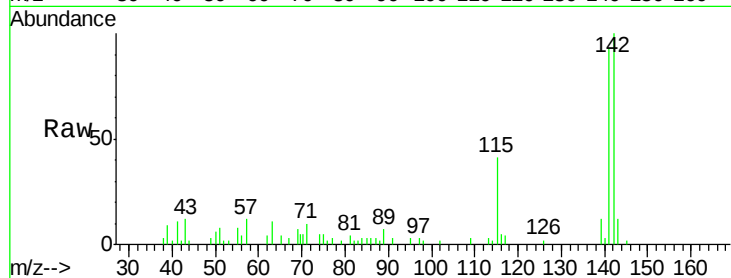
Tgt Ion:142 Resp: 26877

Ion Ratio Lower Upper

142 100

141 92.8 71.0 106.6

115 41.3 26.6 39.8#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

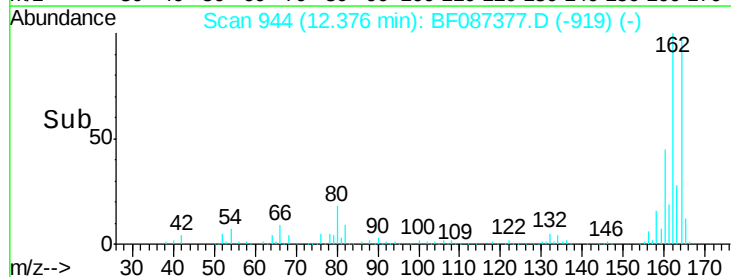
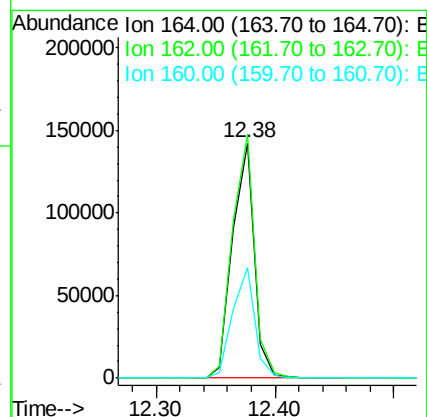
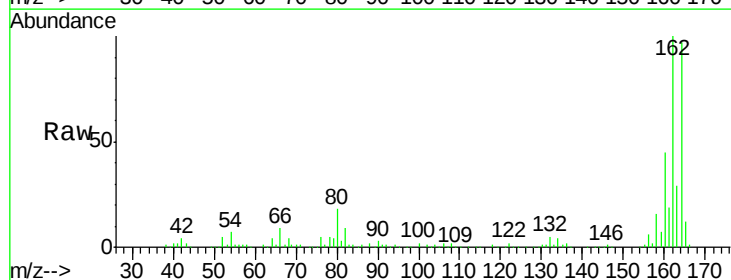
Tgt Ion:164 Resp: 181206

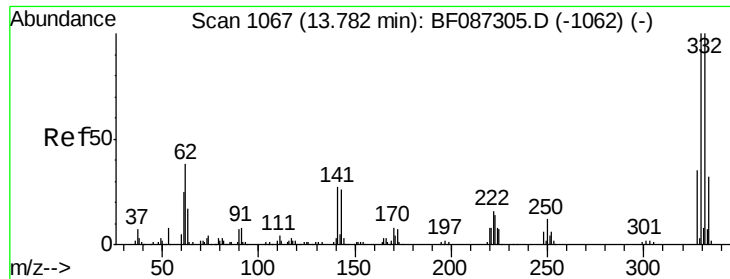
Ion Ratio Lower Upper

164 100

162 103.5 82.8 124.2

160 47.0 36.9 55.3

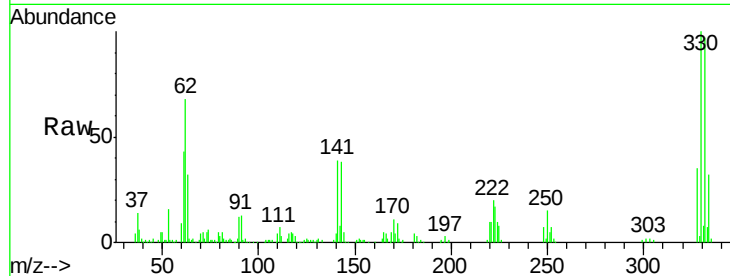




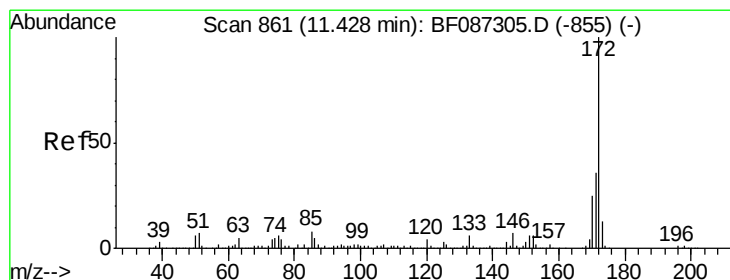
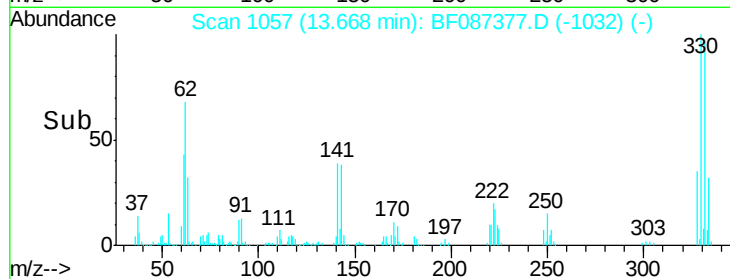
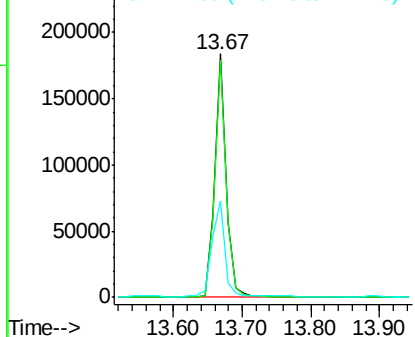
#41
 2,4,6-Tribromophenol
 Concen: 126.14 ng
 RT: 13.67 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Instrument :
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 TA-1294-(0-4)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.0	118.4
141	45.7	31.2	46.8

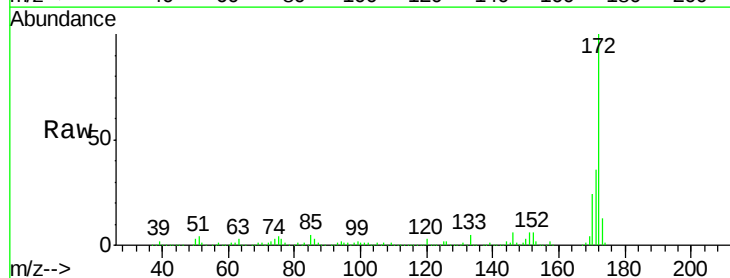


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

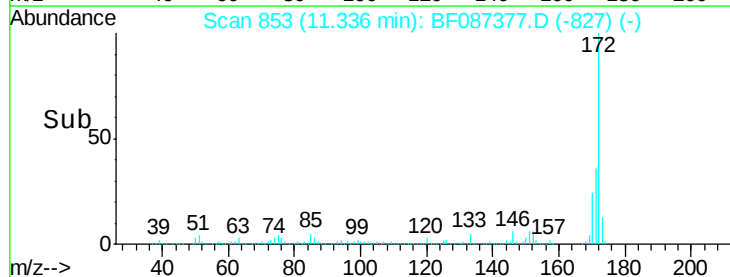
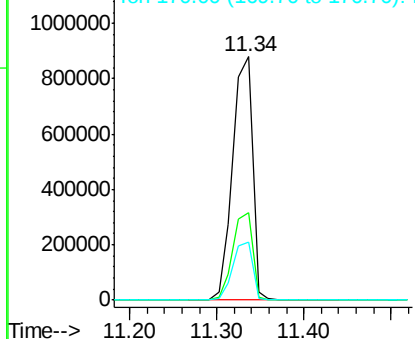


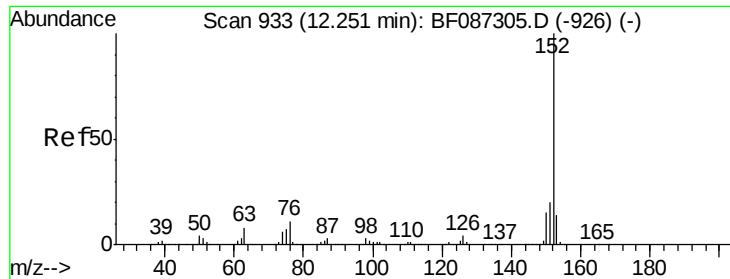
#44
 2-Fluorobiphenyl
 Concen: 108.51 ng
 RT: 11.34 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.0	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.83 ng

RT: 12.15 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

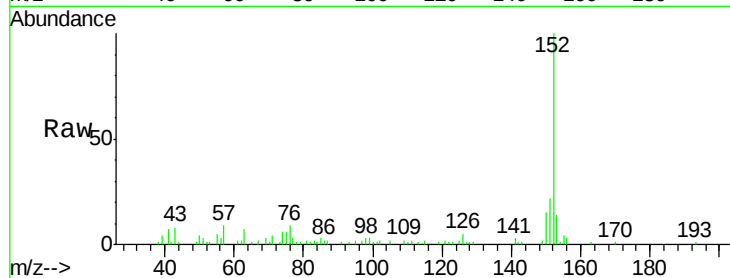
Tgt Ion:152 Resp: 52295

Ion Ratio Lower Upper

152 100

151 21.6 16.8 25.2

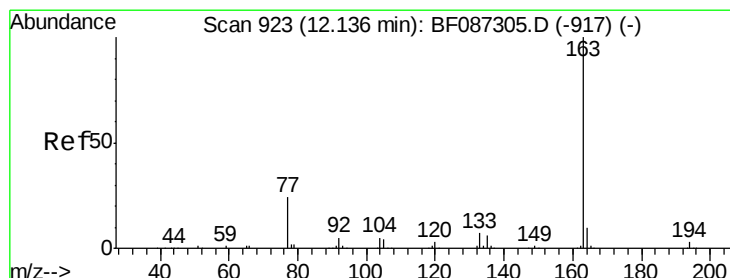
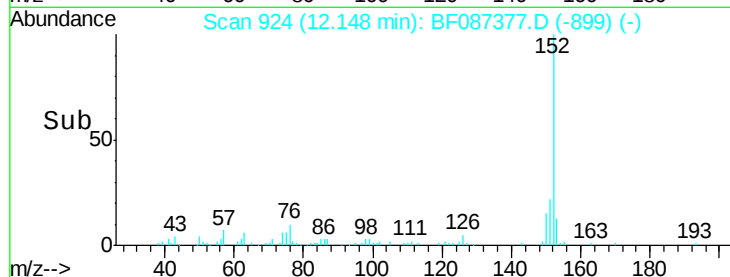
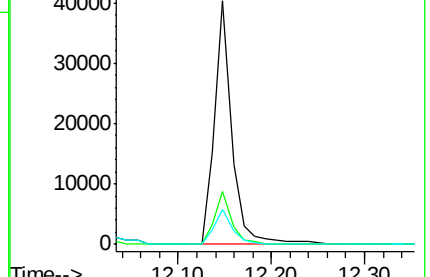
153 14.5 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 31.22 ng

RT: 12.02 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

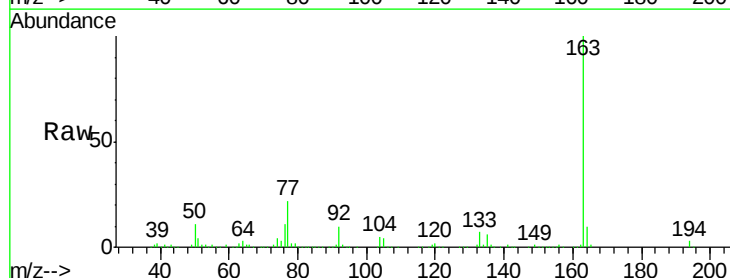
Tgt Ion:163 Resp: 453217

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

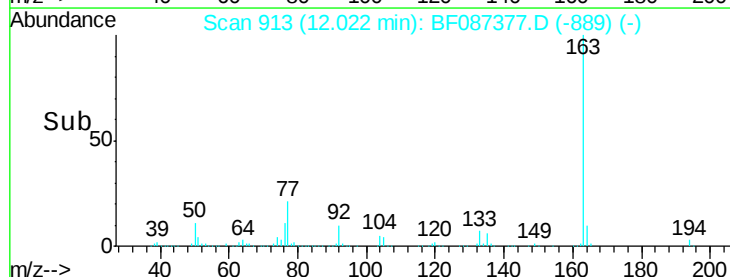
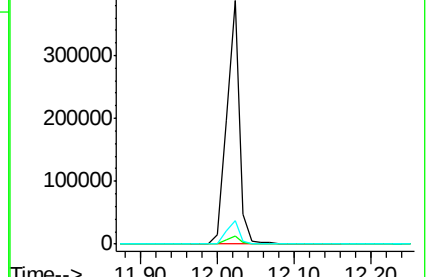
164 9.9 8.2 12.4

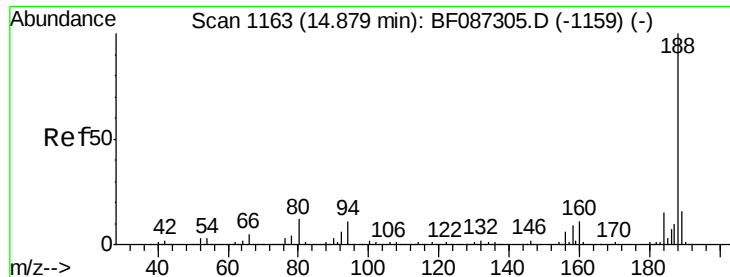


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

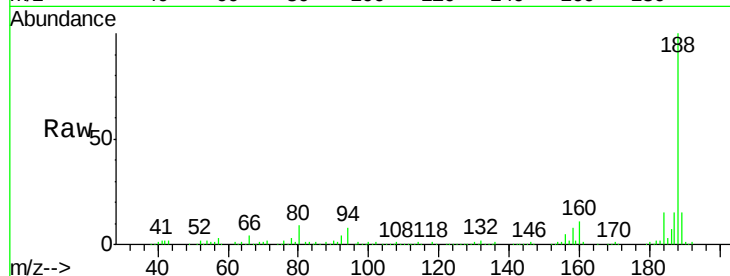




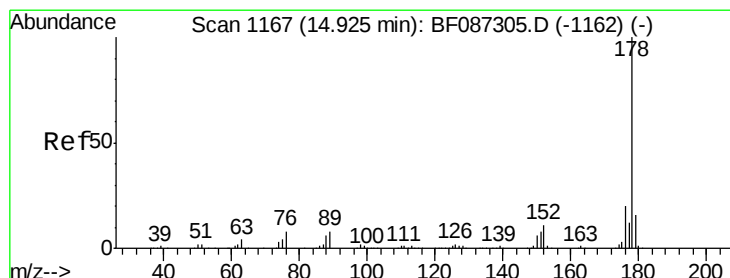
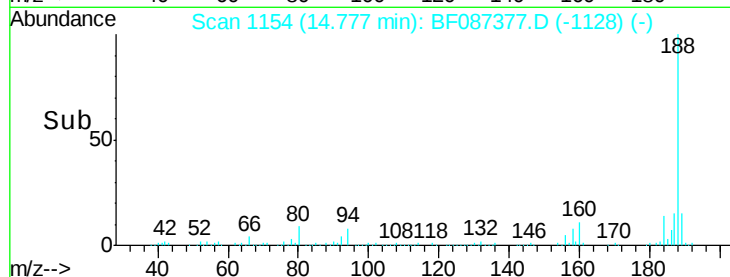
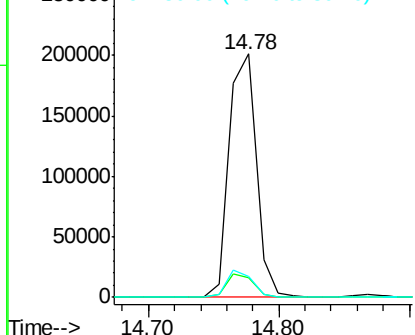
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

Tgt Ion:188 Resp: 293517
Ion Ratio Lower Upper
188 100
94 7.8 6.8 10.2
80 8.5 7.1 10.7

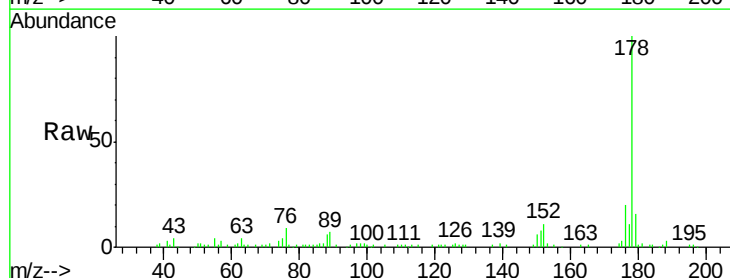


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

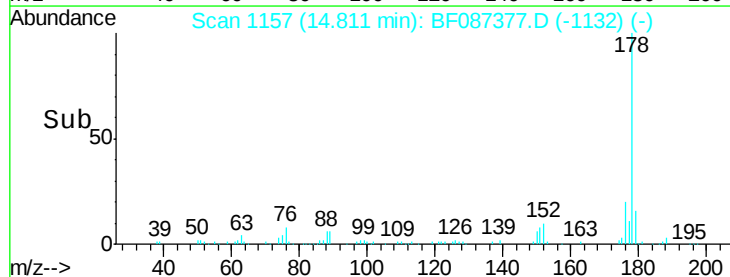
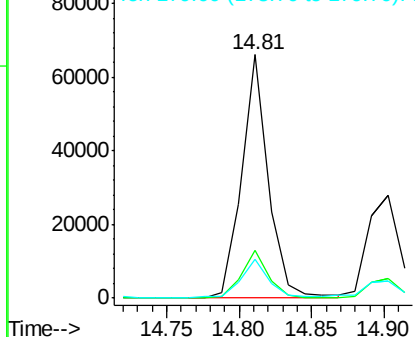


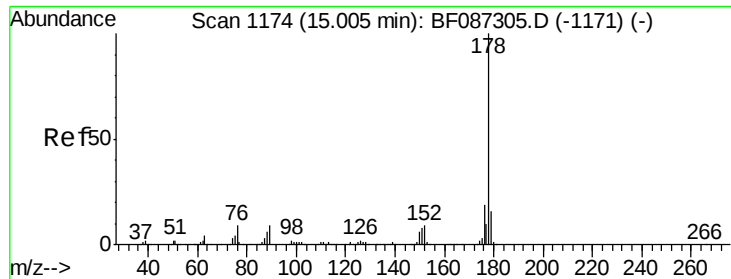
#70
Phenanthrene
Concen: 5.18 ng
RT: 14.81 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion:178 Resp: 84189
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.1 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

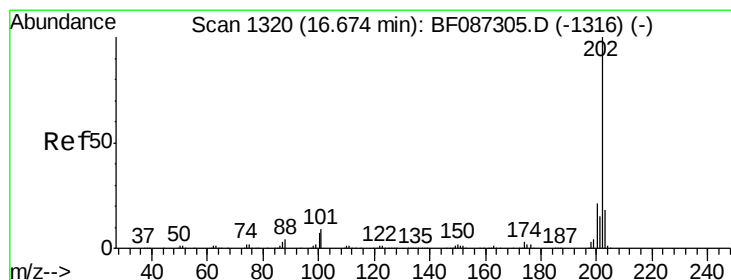
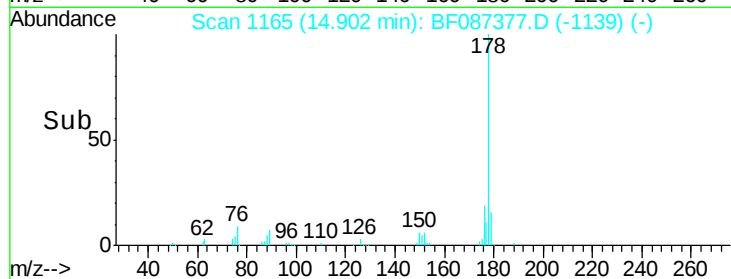
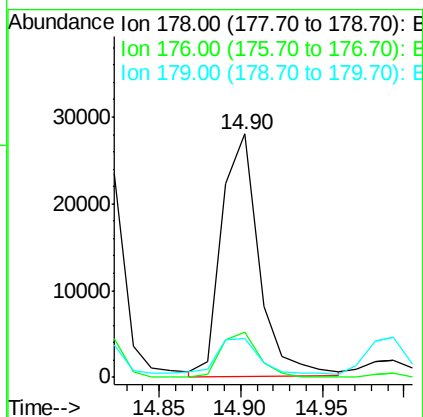
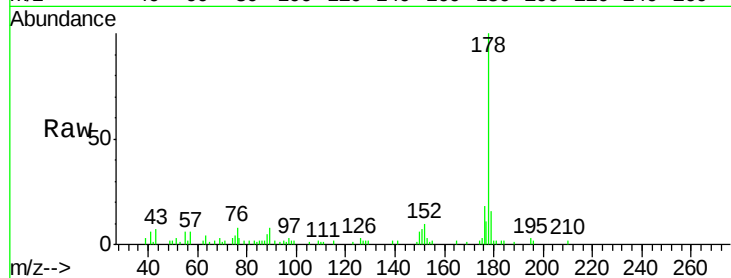




#71
 Anthracene
 Concen: 2.70 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

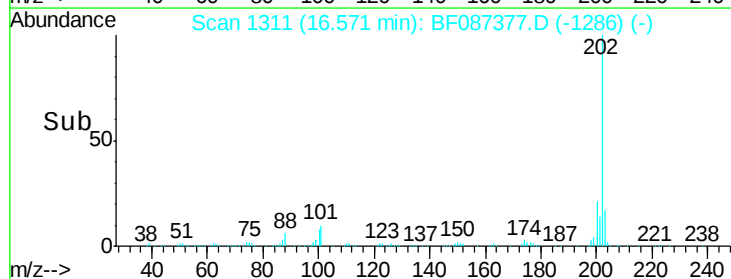
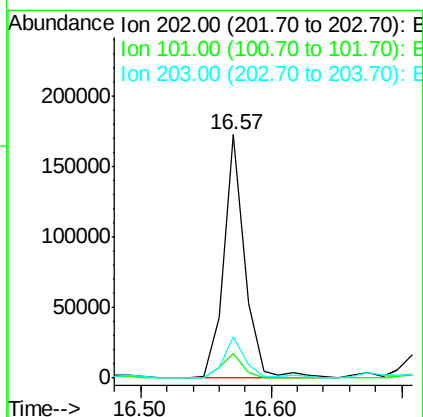
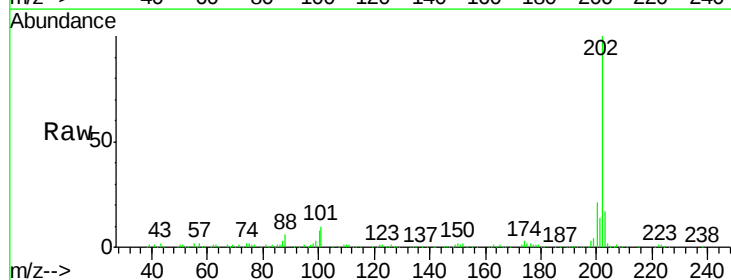
Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

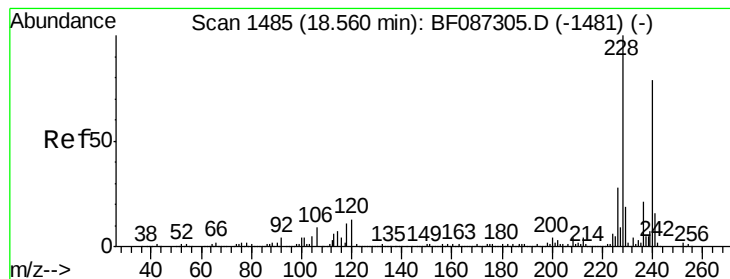
Tgt Ion:178 Resp: 44417
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.6 23.4
 179 15.9 12.7 19.1



#74
 Fluoranthene
 Concen: 11.79 ng
 RT: 16.57 min Scan# 1311
 Delta R.T. -0.01 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Tgt Ion:202 Resp: 192152
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 35.4
 203 17.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

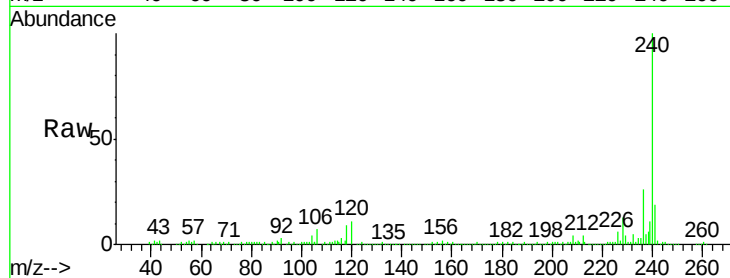
Tgt Ion:240 Resp: 227918

Ion Ratio Lower Upper

240 100

120 10.5 11.2 16.8#

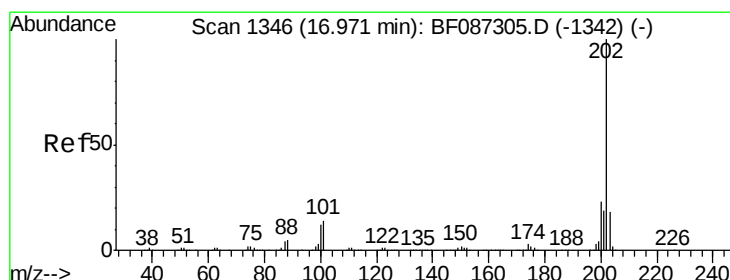
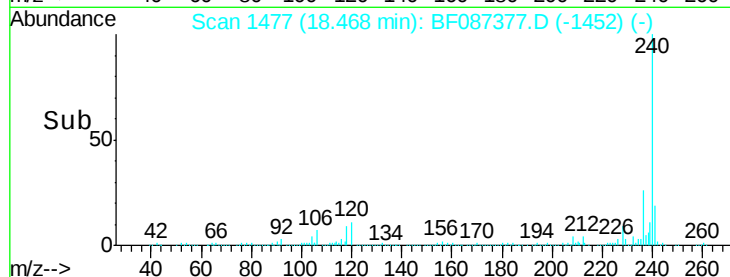
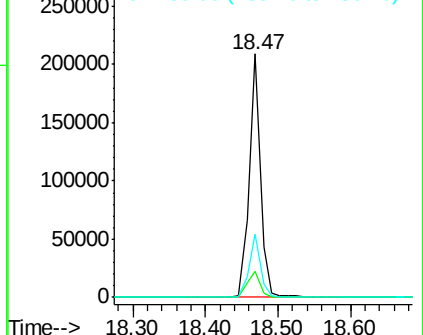
236 25.8 21.2 31.8



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: 12.29 ng

RT: 16.87 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

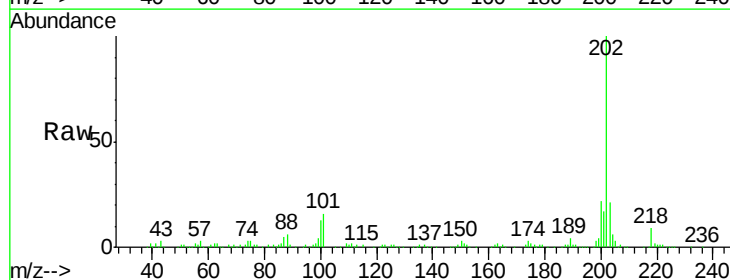
Tgt Ion:202 Resp: 201587

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

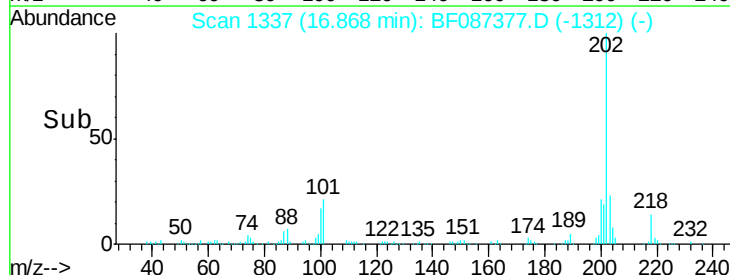
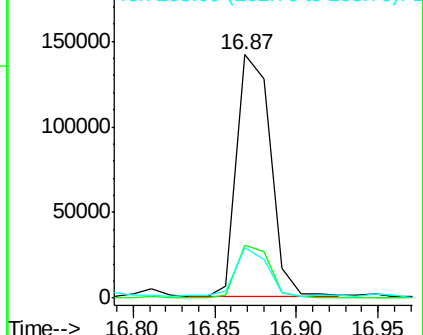
203 20.9 14.2 21.4

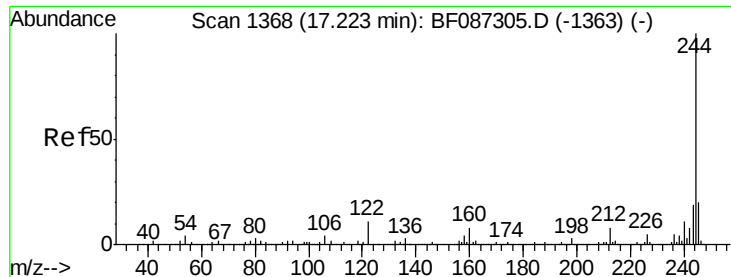


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

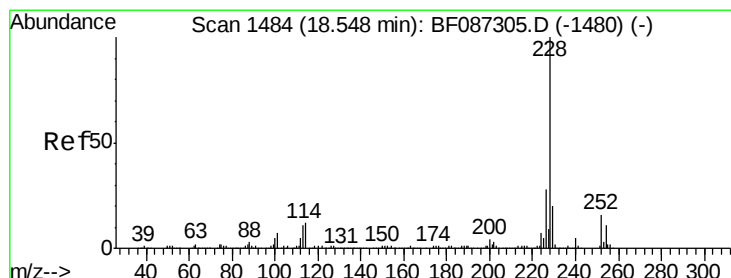
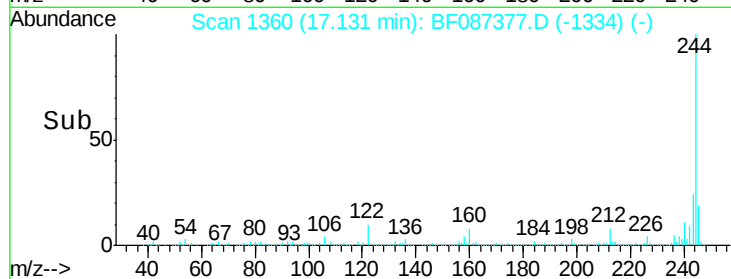
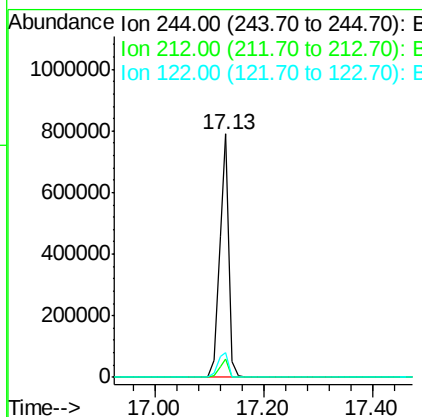
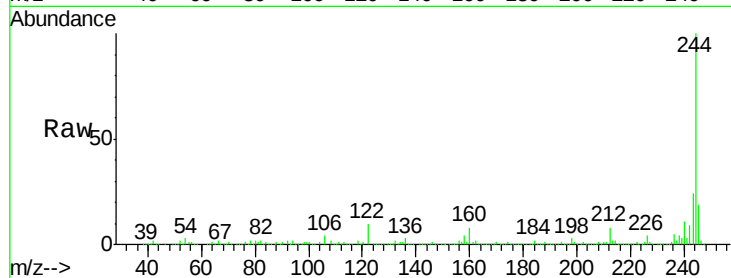




#78
 Terphenyl-d14
 Concen: 87.71 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

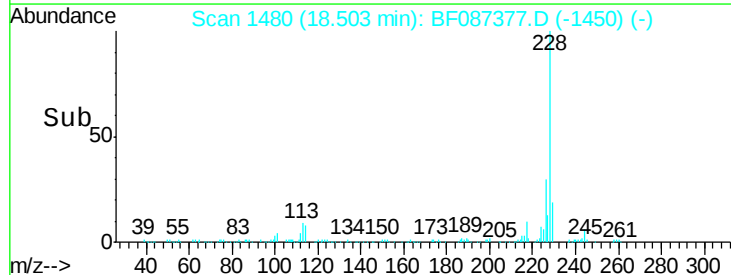
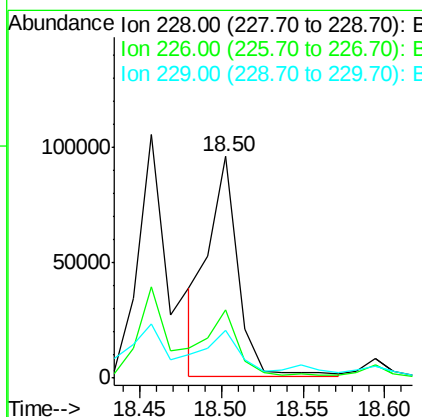
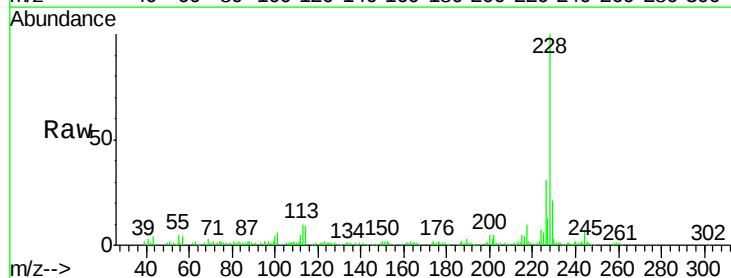
Instrument :
 BNA_F
 ClientSampleId :
 TA-1294-(0-4)

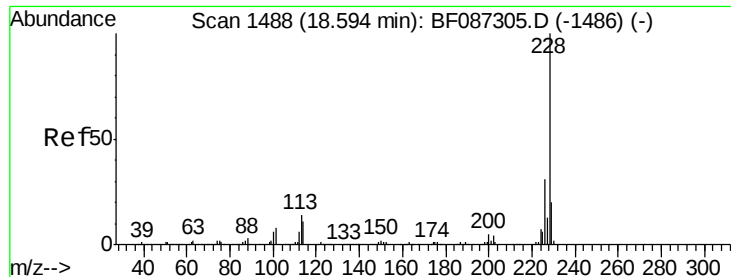
Tgt Ion: 244 Resp: 940282
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.3 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 9.22 ng
 RT: 18.50 min Scan# 1480
 Delta R.T. 0.05 min
 Lab File: BF087377.D
 Acq: 25 May 2016 17:52

Tgt Ion: 228 Resp: 119470
 Ion Ratio Lower Upper
 228 100
 226 30.7 22.5 33.7
 229 21.5 16.6 25.0





#82

Chrysene

Concen: 9.41 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

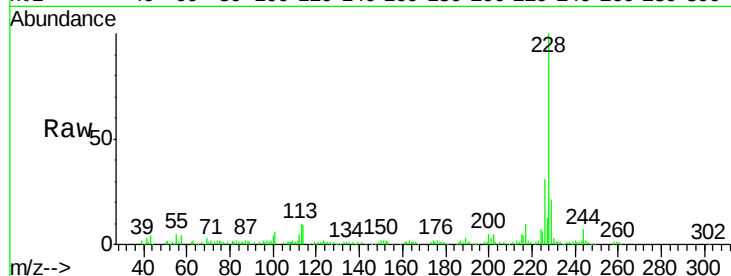
Tgt Ion:228 Resp: 121094

Ion Ratio Lower Upper

228 100

226 30.7 24.4 36.6

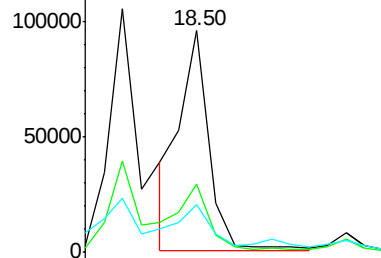
229 21.5 15.8 23.8



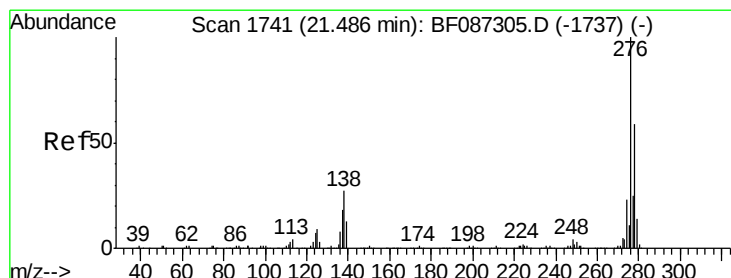
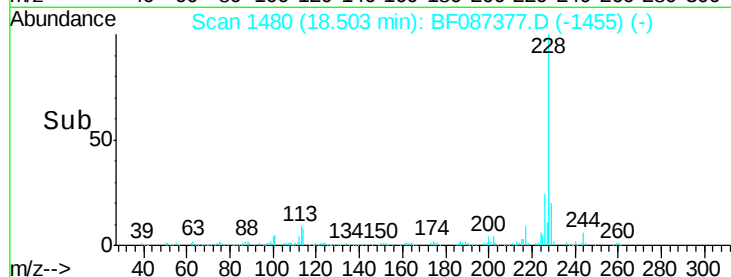
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.11 ng

RT: 21.37 min Scan# 1731

Delta R.T. 0.01 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

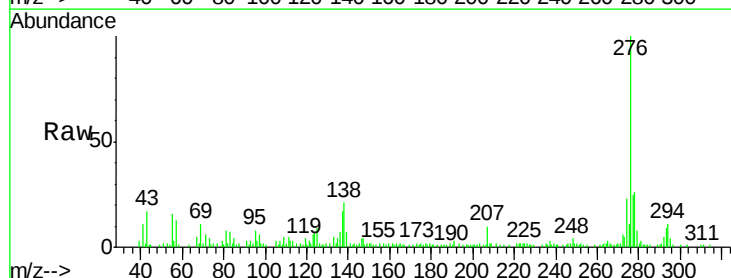
Tgt Ion:276 Resp: 63009

Ion Ratio Lower Upper

276 100

138 22.1 25.6 38.4#

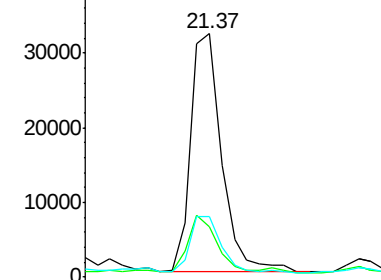
277 24.4 20.5 30.7



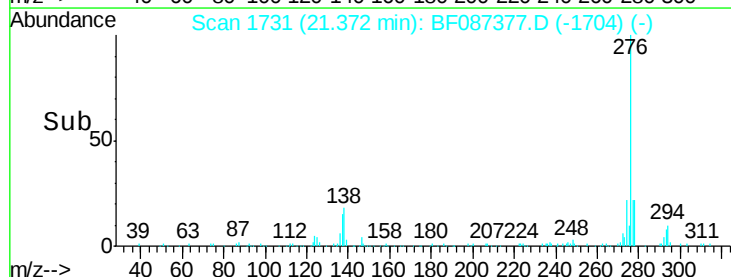
Abundance Ion 276.00 (275.70 to 276.70): E

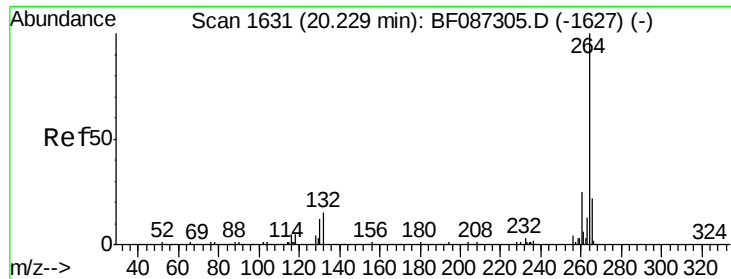
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

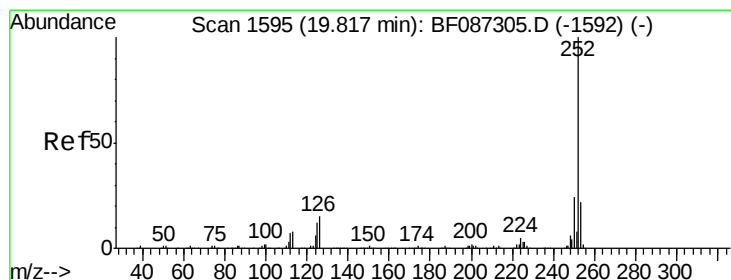
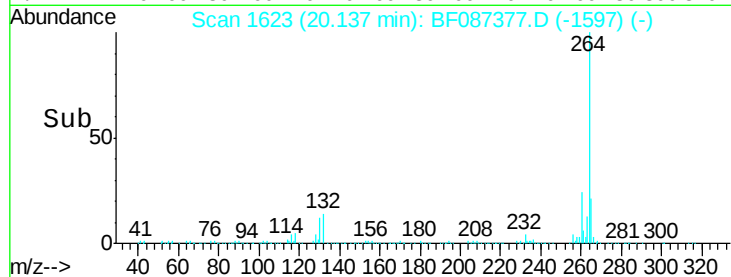
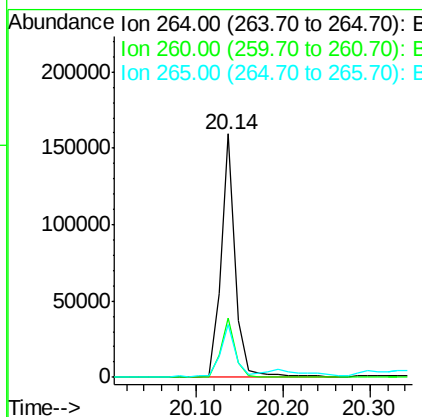
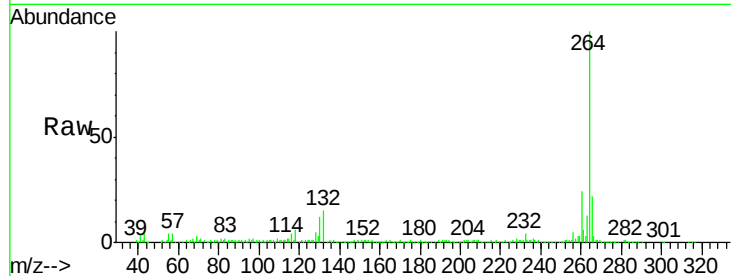




#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

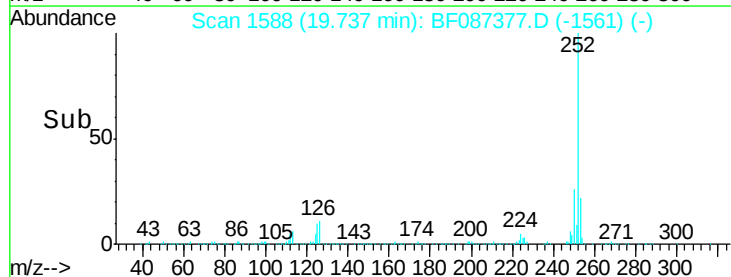
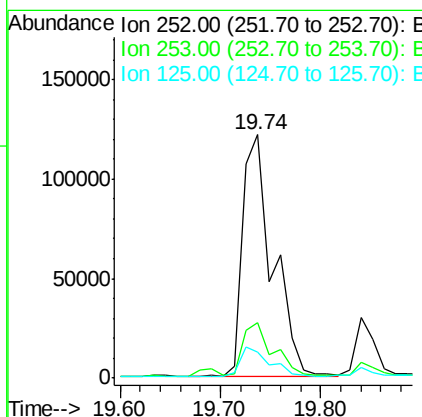
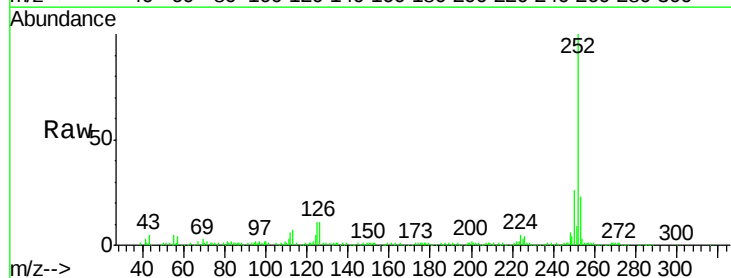
Instrument :
BNA_F
ClientSampleId :
TA-1294-(0-4)

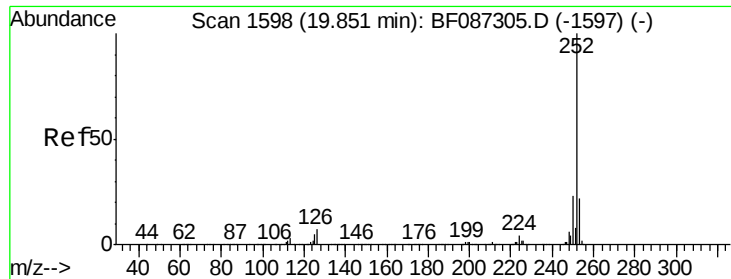
Tgt Ion:264 Resp: 184469
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 21.43 ng
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087377.D
Acq: 25 May 2016 17:52

Tgt Ion:252 Resp: 251852
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.8 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 24.90 ng

RT: 19.74 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

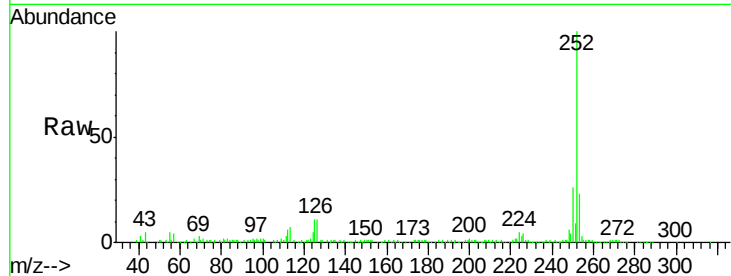
Tgt Ion:252 Resp: 251852

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

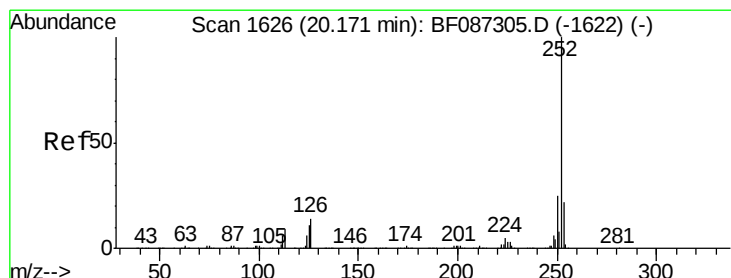
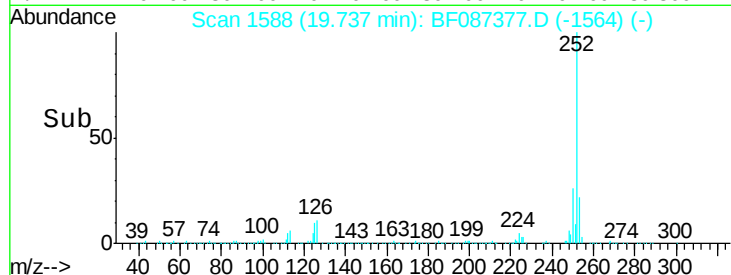
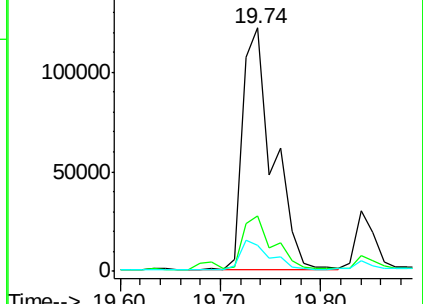
125 10.8 9.1 13.7



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



#89

Benzo(a)pyrene

Concen: 10.22 ng

RT: 20.08 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

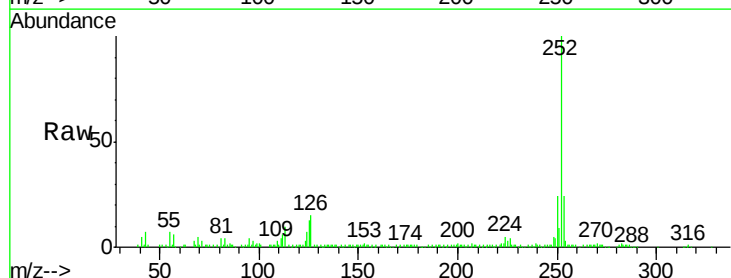
Tgt Ion:252 Resp: 103863

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

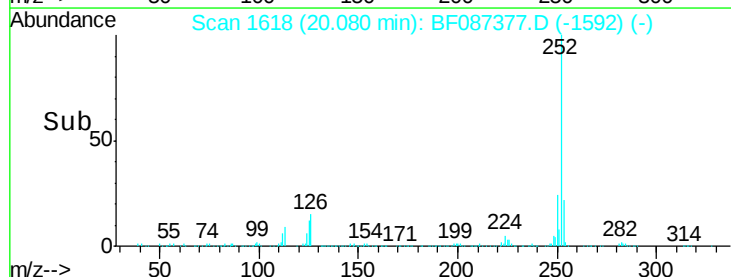
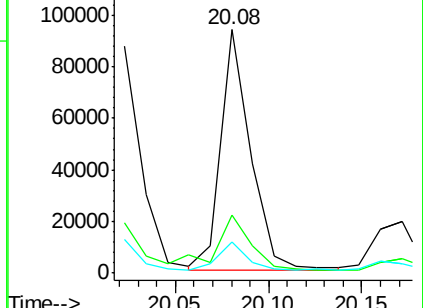
125 12.8 9.0 13.6

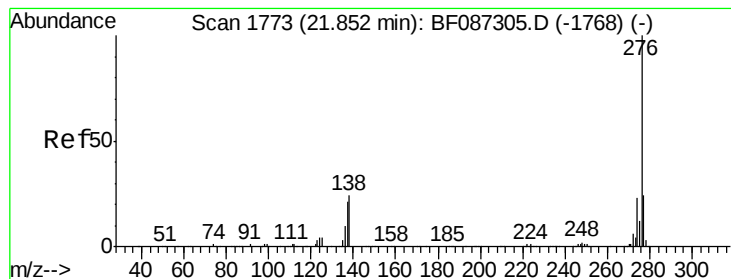


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 6.66 ng

RT: 21.71 min Scan# 1761

Delta R.T. 0.00 min

Lab File: BF087377.D

Acq: 25 May 2016 17:52

Instrument :

BNA_F

ClientSampleId :

TA-1294-(0-4)

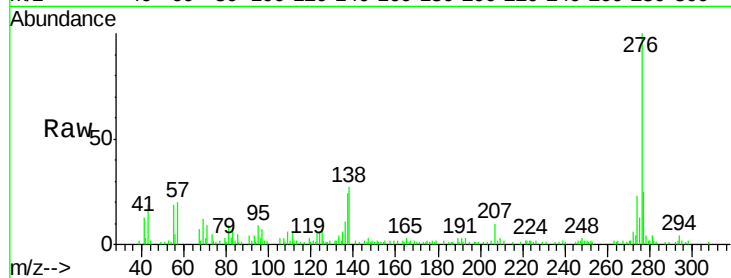
Tgt Ion:276 Resp: 56991

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 26.8 23.6 35.4



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

