

Data Path : Z:\HPCHEM1\BNA F\Data\BF052516\
 Data File : BF087406.D
 Acq On : 26 May 2016 10:58
 Operator : UM/SJ
 Sample : H3220-22
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 15:50:57 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	103635	20.00	ng	0.00
21) Naphthalene-d8	9.55	136	392417	20.00	ng	0.00
38) Acenaphthene-d10	12.38	164	157203	20.00	ng	-0.01
63) Phenanthrene-d10	14.78	188	242353	20.00	ng	0.00
75) Chrysene-d12	18.47	240	214528	20.00	ng	-0.01
86) Perylene-d12	20.14	264	152012	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	762902	129.35	ng	0.02
7) Phenol-d6	7.08	99	1016174	127.51	ng	0.01
23) Nitrobenzene-d5	8.43	82	648448	83.28	ng	-0.01
41) 2,4,6-Tribromophenol	13.67	330	149600	99.03	ng	-0.01
44) 2-Fluorobiphenyl	11.32	172	978502	87.75	ng	-0.01
78) Terphenyl-d14	17.13	244	669060	66.30	ng	0.00

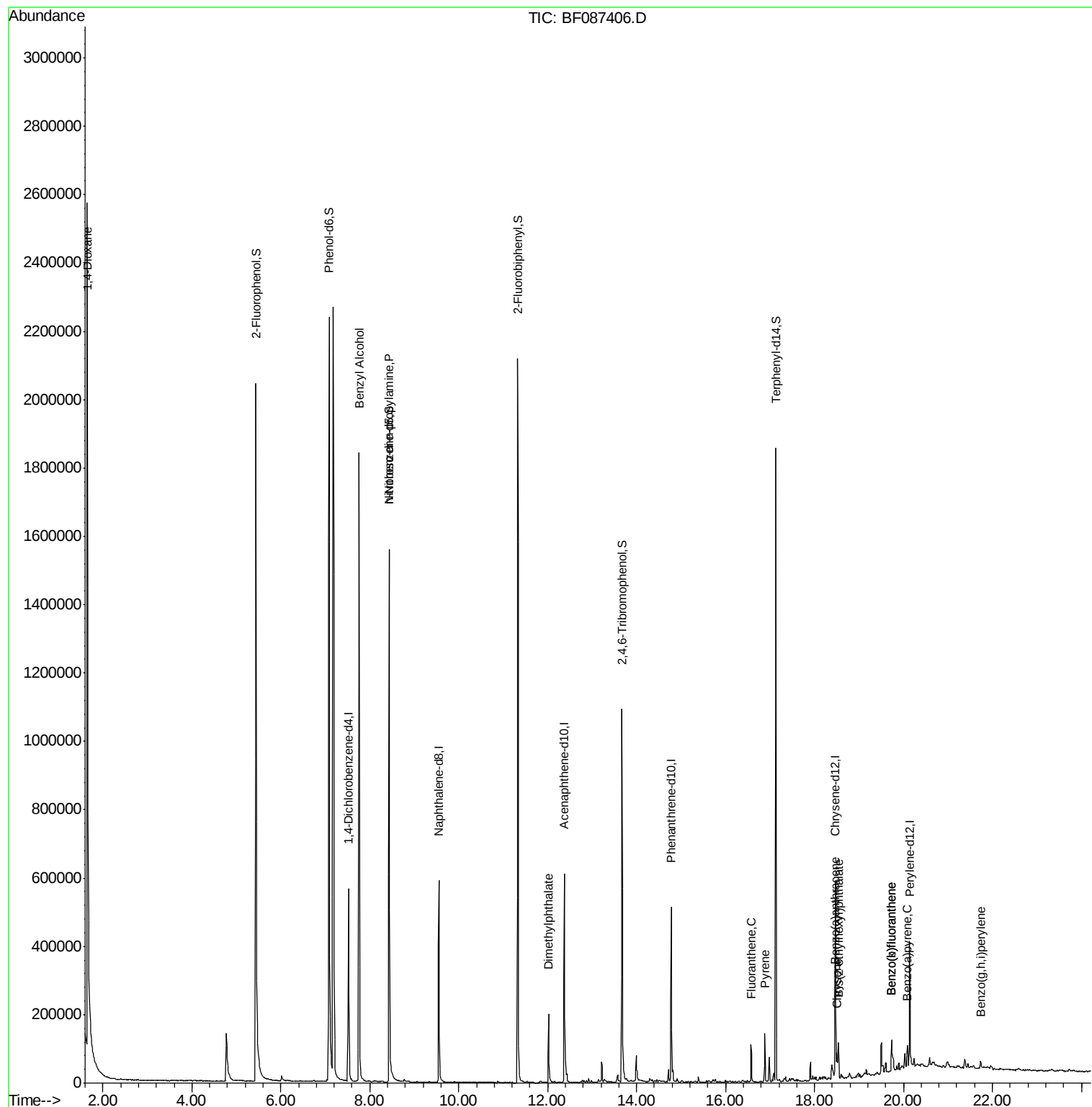
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.64	88	86514	27.80	ng	# 22
15) Benzyl Alcohol	7.76	79	12194	2.10	ng	# 39
19) n-Nitroso-di-n-propylamine	8.43	70	89039	14.98	ng	# 72
49) Dimethylphthalate	12.02	163	108514	8.62	ng	100
74) Fluoranthene	16.57	202	66586	4.95	ng	98
77) Pyrene	16.88	202	64927	4.20	ng	97
80) Benzo(a)anthracene	18.46	228	37816	3.10	ng	97
82) Chrysene	18.50	228	35664	2.94	ng	99
83) Bis(2-ethylhexyl)phthalate	18.54	149	32359	3.24	ng	95
87) Benzo(b)fluoranthene	19.74	252	67465	6.97	ng	98
88) Benzo(k)fluoranthene	19.74	252	67465	8.09	ng	97
89) Benzo(a)pyrene	20.09	252	30764	3.67	ng	97
91) Benzo(a,h,i)perylene	21.74	276	18098	2.57	ng	# 89

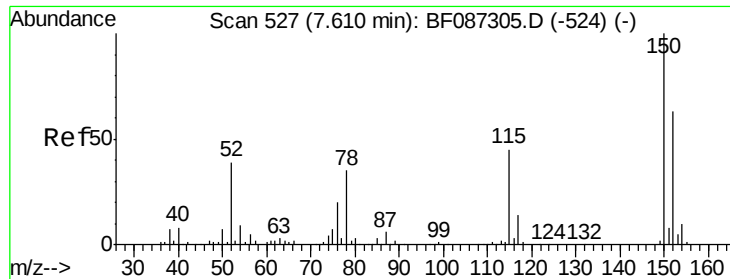
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 519

Delta R.T. 0.00 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampleId :

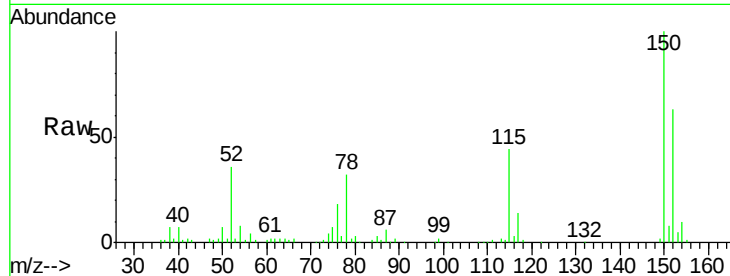
Tot Ion:152 Resp: 103635

Ion Ratio Lower Upper

152 100

150 159.0 125.8 188.6

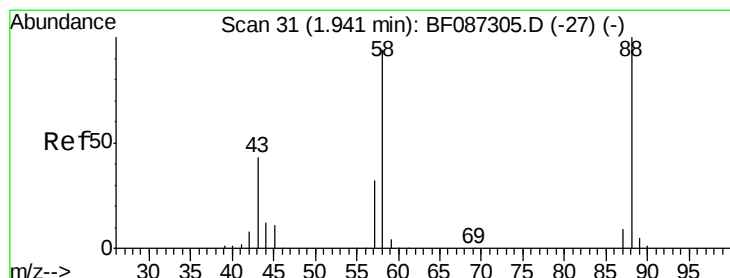
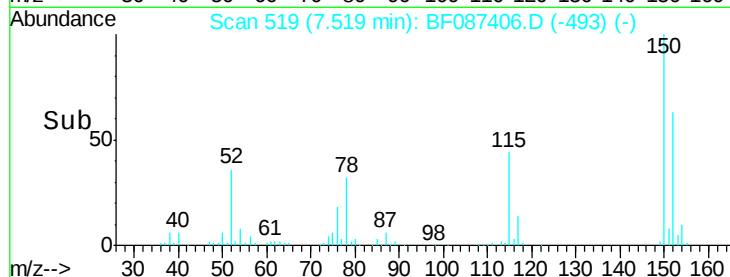
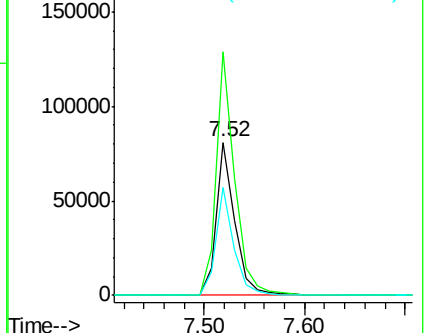
115 70.6 51.5 77.3



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: 27.80 ng

RT: 1.64 min Scan# 5

Delta R.T. -0.17 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

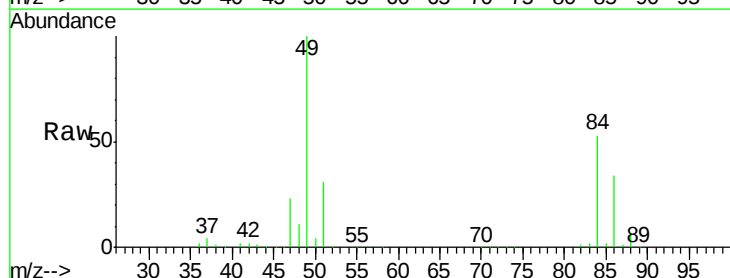
Tgt Ion: 88 Resp: 86514

Ion Ratio Lower Upper

88 100

58 0.0 59.6 89.4#

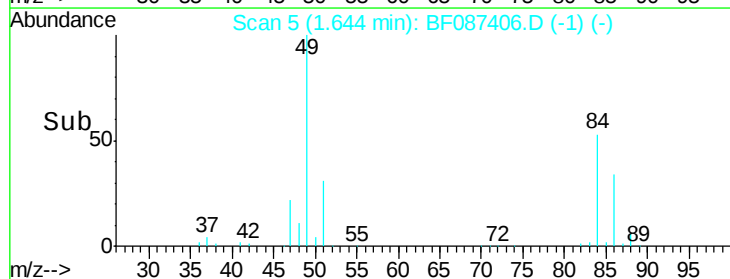
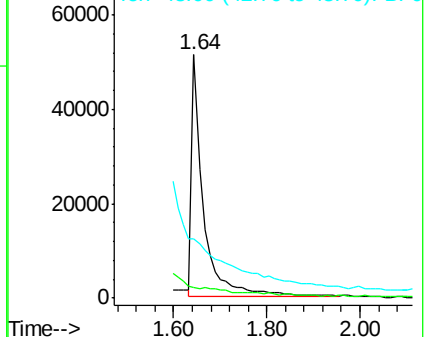
43 0.0 21.8 32.6#

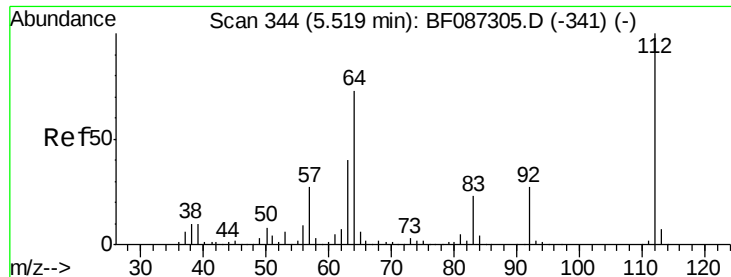


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 129.35 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.02 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampleId :

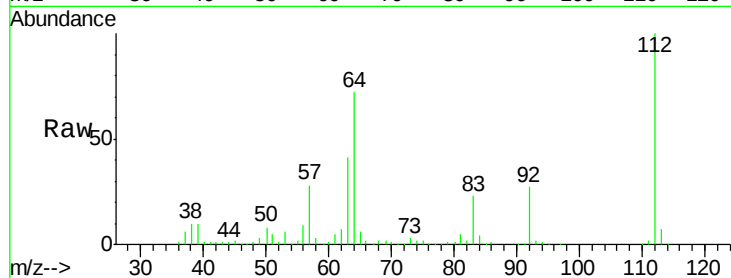
Tot Ion:112 Resp: 762902

Ion Ratio Lower Upper

112 100

64 72.4 52.1 78.1

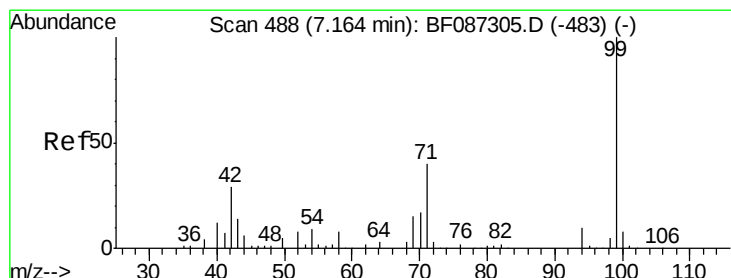
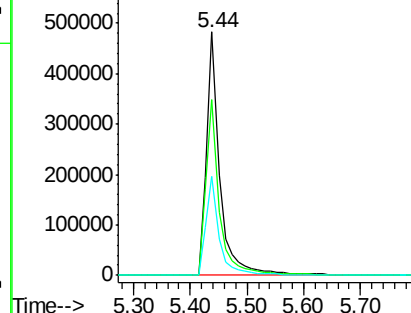
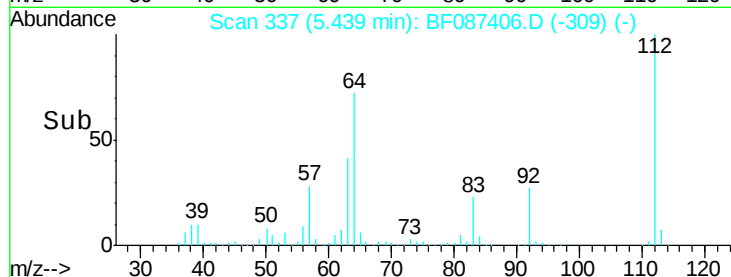
63 40.5 25.7 38.5#



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: 127.51 ng

RT: 7.08 min Scan# 481

Delta R.T. 0.01 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

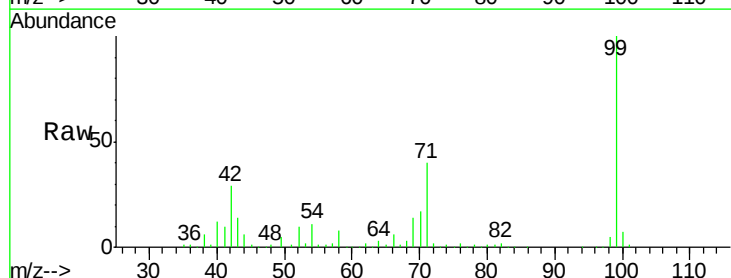
Tgt Ion: 99 Resp: 1016174

Ion Ratio Lower Upper

99 100

42 28.7 13.6 20.4#

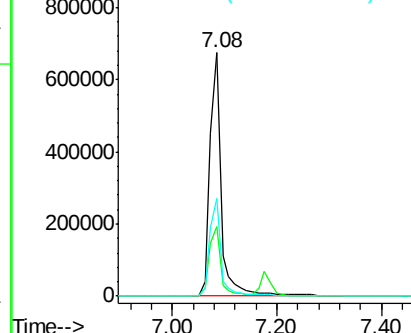
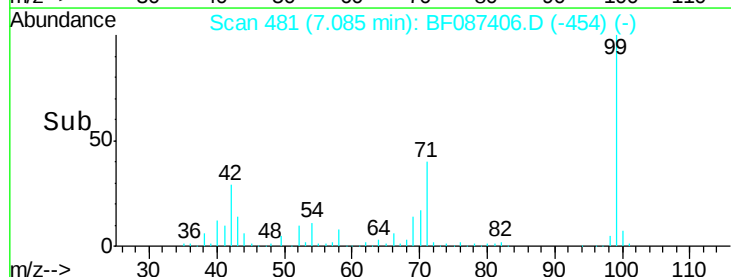
71 40.1 24.6 36.8#

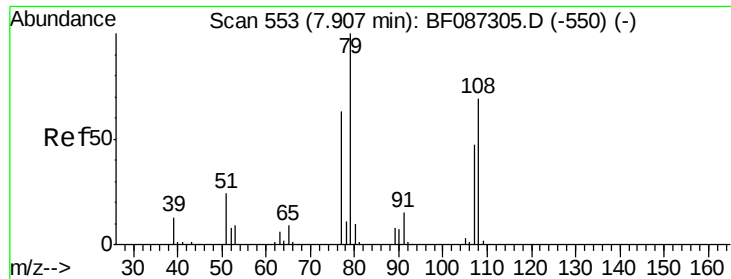


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.76 min Scan# 540

Delta R.T. -0.06 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampled :

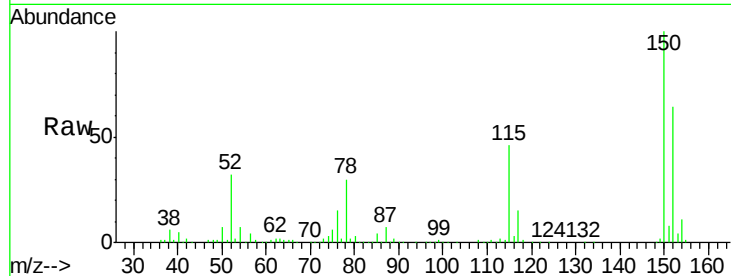
Tot Ion: 79 Resp: 12194

Ion Ratio Lower Upper

79 100

108 33.0 68.4 102.6#

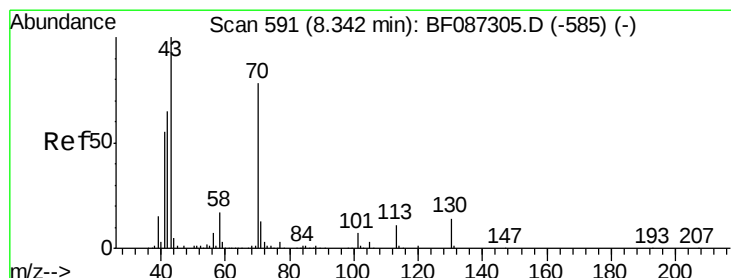
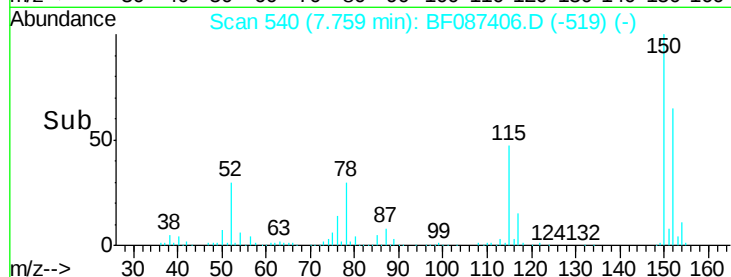
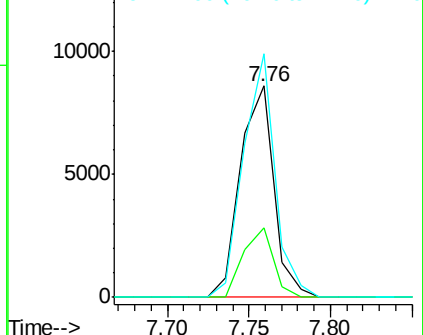
77 115.4 50.6 76.0#



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: 14.98 ng

RT: 8.43 min Scan# 599

Delta R.T. 0.18 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Tgt Ion: 70 Resp: 89039

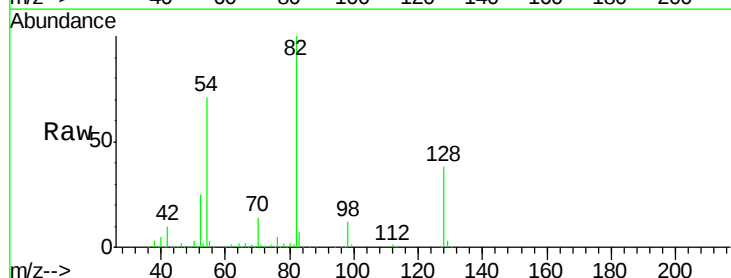
Ion Ratio Lower Upper

70 100

42 68.5 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

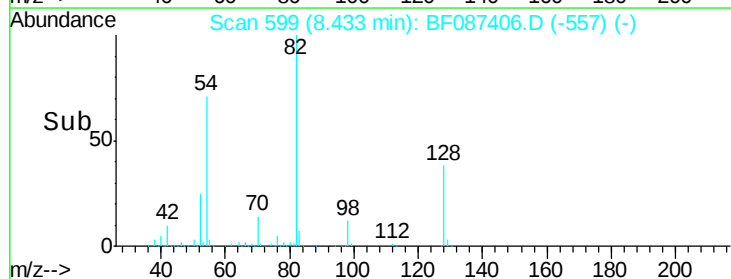
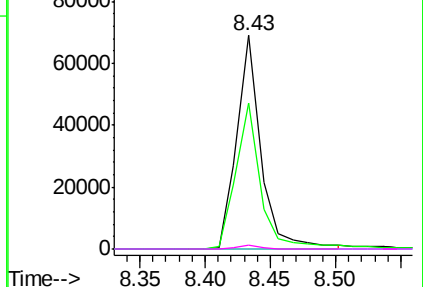


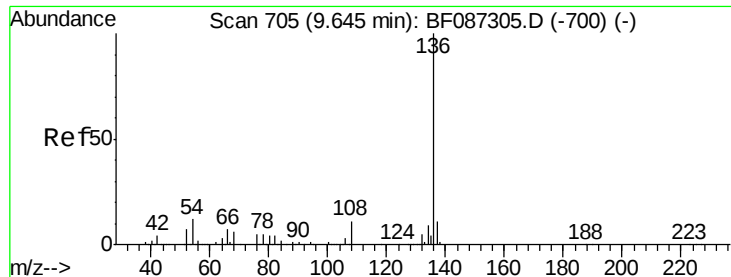
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.55 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF087406.D

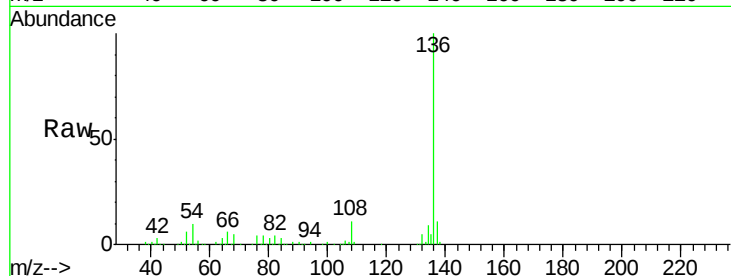
Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	392417
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	10.2	5.0 7.4#
68	5.0	4.4 6.6

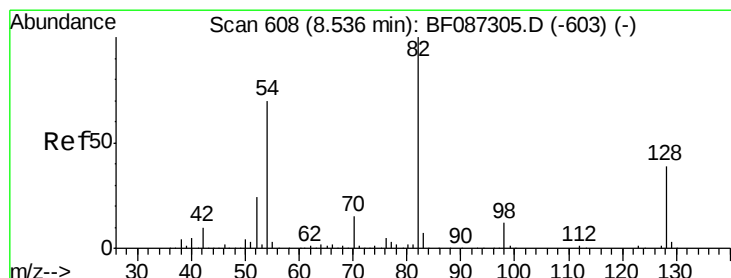
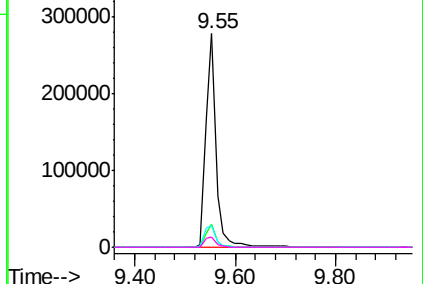
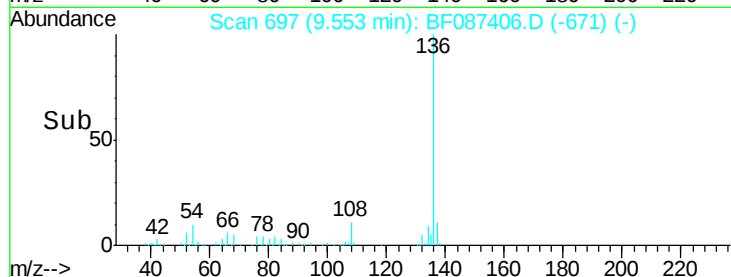


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.28 ng

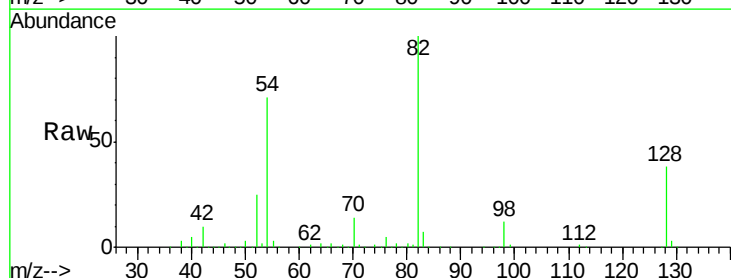
RT: 8.43 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

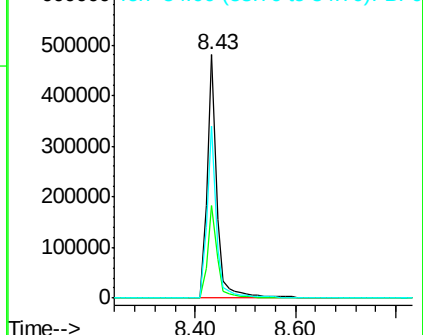
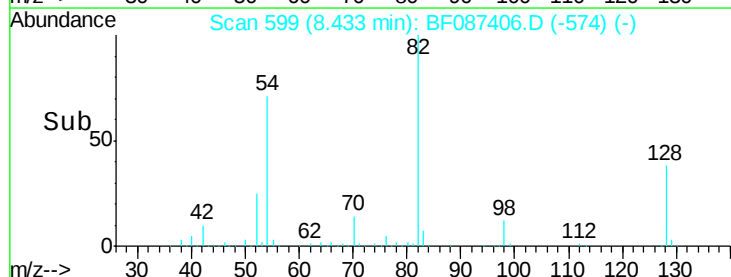
Tgt Ion: 82	Resp:	648448
Ion	Ratio	Lower Upper
82	100	
128	38.0	40.6 61.0#
54	70.9	38.1 57.1#

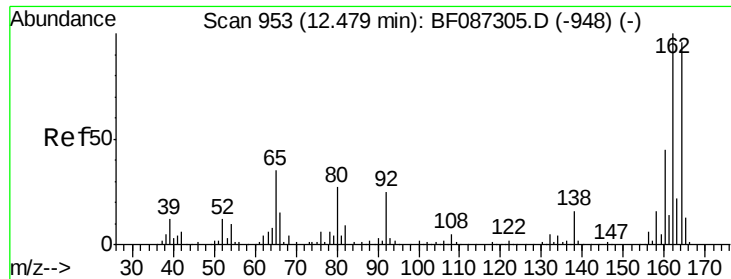


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

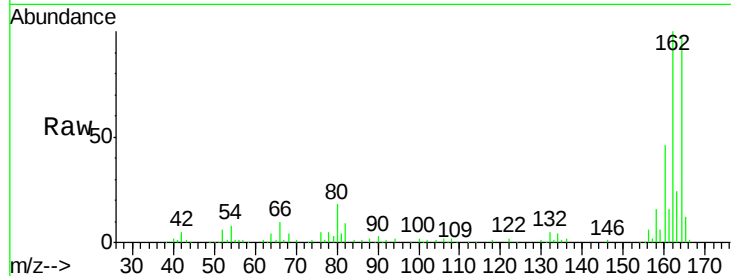




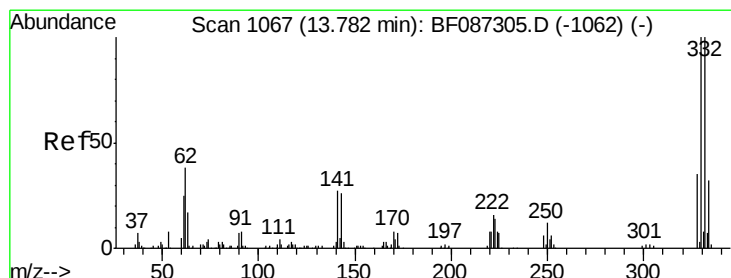
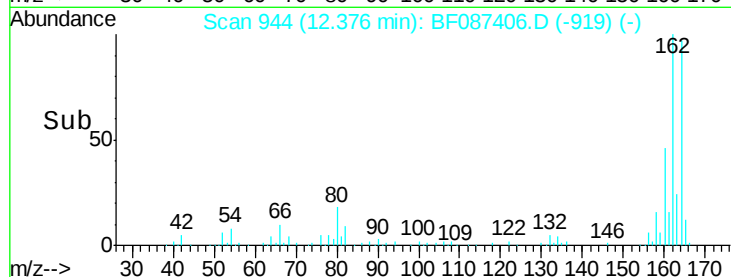
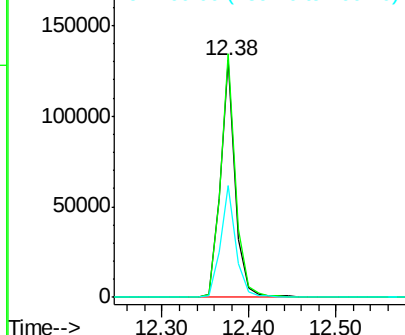
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.38 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 157203
Ion Ratio Lower Upper
164 100
162 102.8 82.8 124.2
160 47.1 36.9 55.3

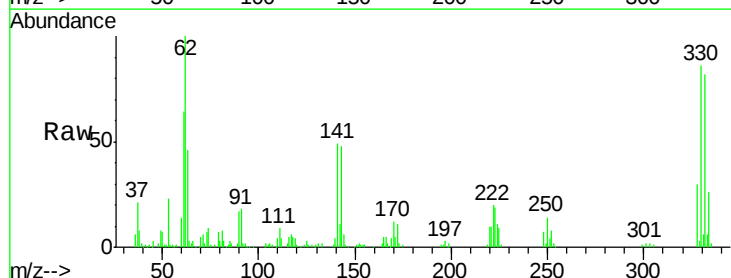


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

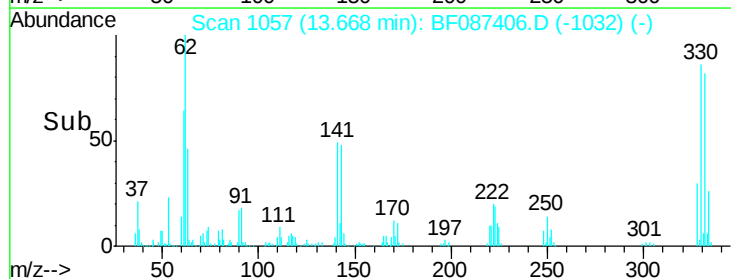
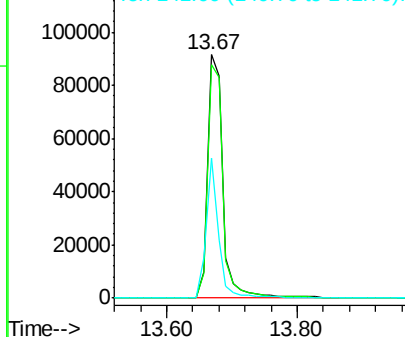


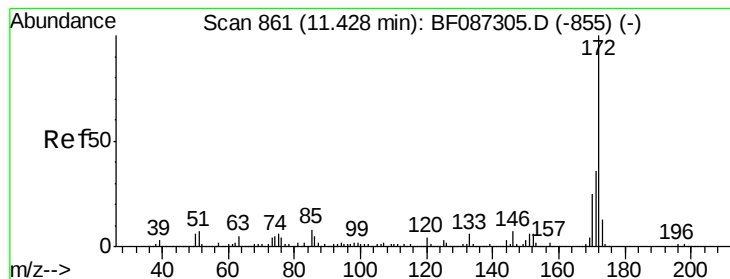
#41
2,4,6-Tribromophenol
Concen: 99.03 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Tgt Ion:330 Resp: 149600
Ion Ratio Lower Upper
330 100
332 97.0 79.0 118.4
141 46.4 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

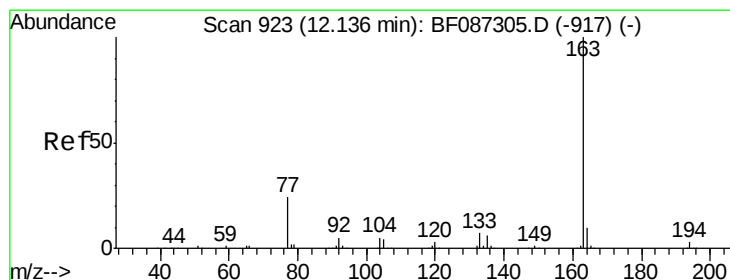
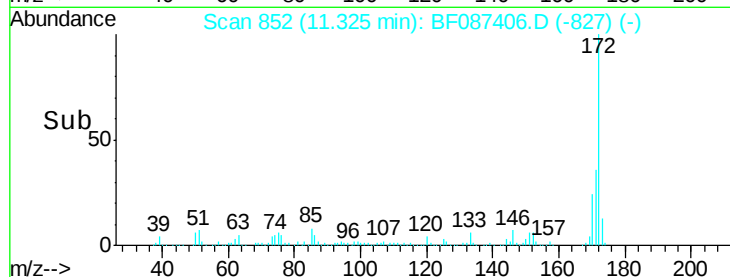
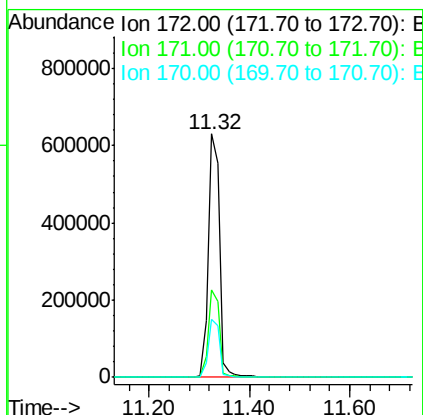
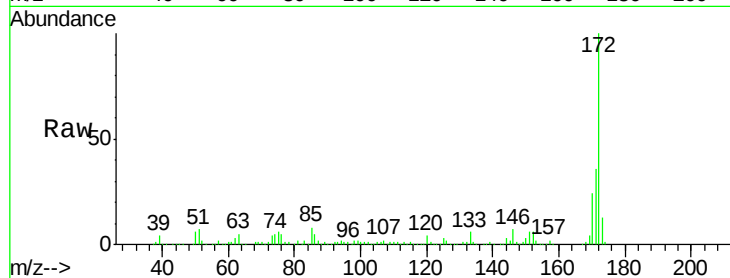




#44
2-Fluorobiphenyl
Concen: 87.75 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

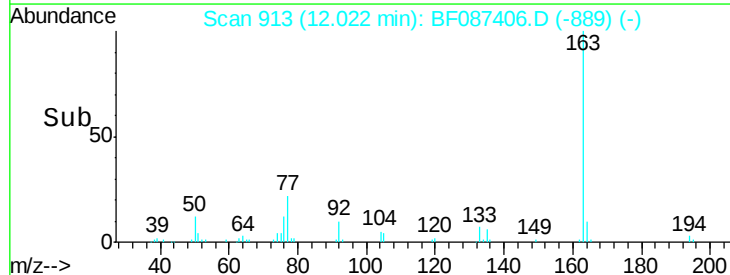
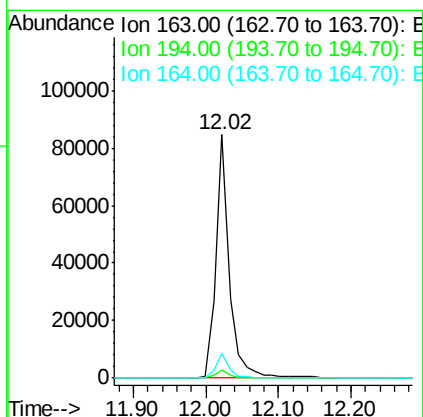
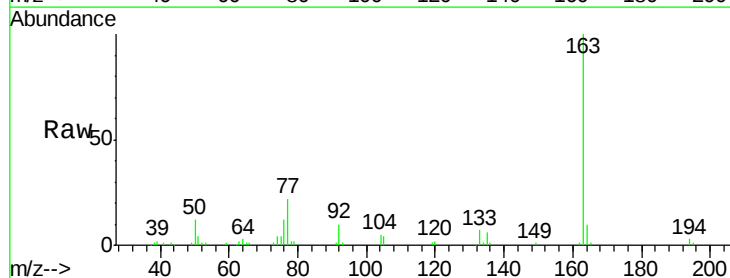
Instrument :
BNA_F
ClientSampleId :

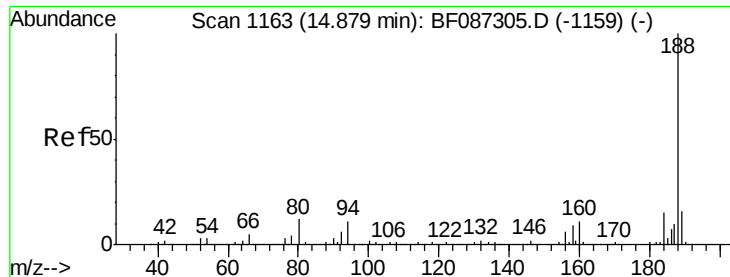
Tot Ion:172 Resp: 978502
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.6
170 24.0 19.8 29.8



#49
Dimethylphthalate
Concen: 8.62 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Tgt Ion:163 Resp: 108514
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 10.4 8.2 12.4

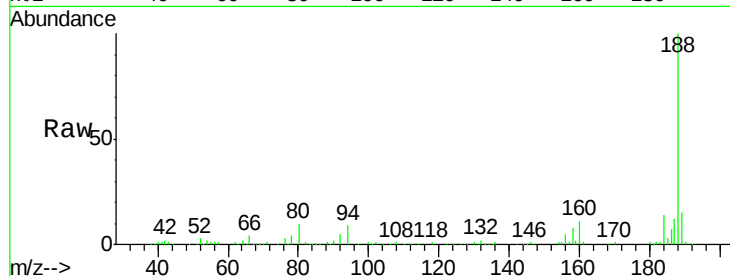




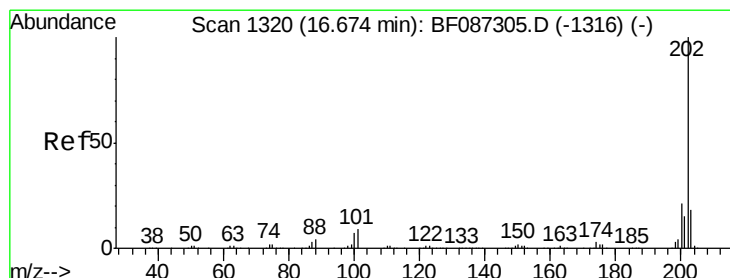
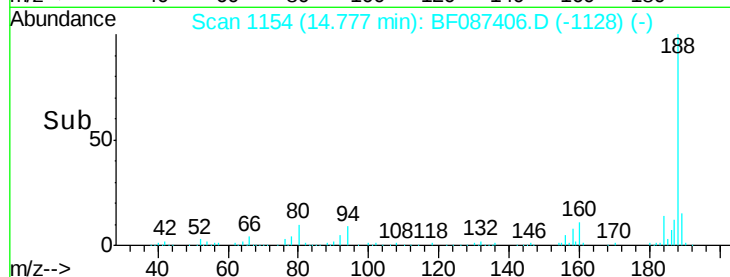
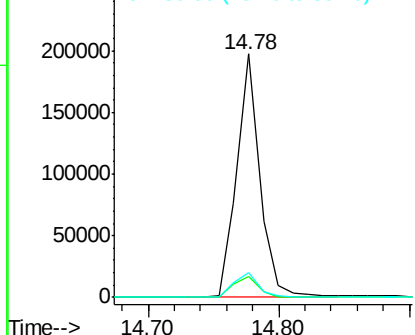
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 242353
Ion Ratio Lower Upper
188 100
94 8.7 6.8 10.2
80 9.9 7.1 10.7

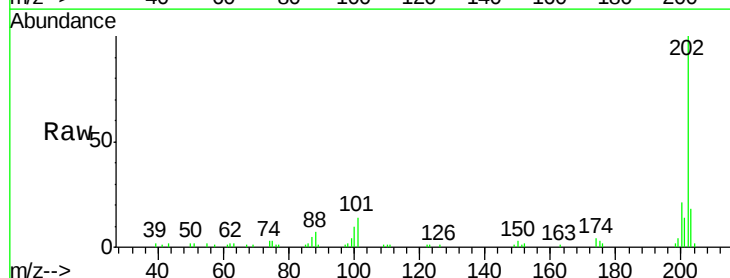


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

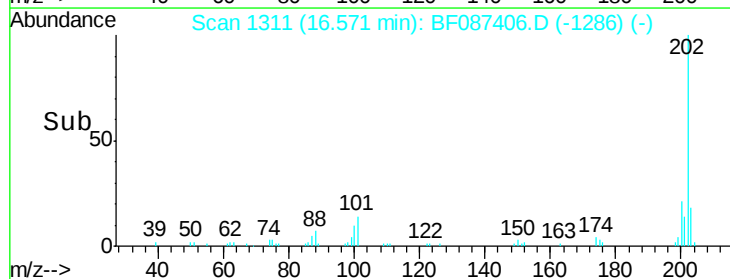
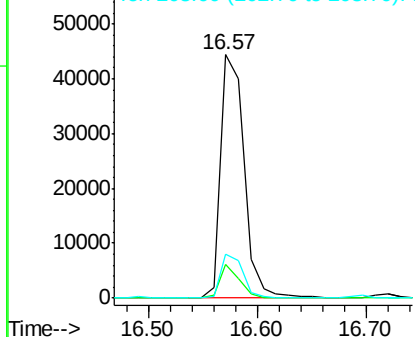


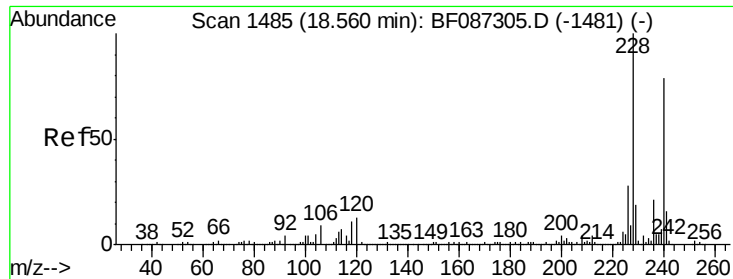
#74
Fluoranthene
Concen: 4.95 ng
RT: 16.57 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Tgt Ion:202 Resp: 66586
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.4
203 18.1 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: 18.47 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampleId :

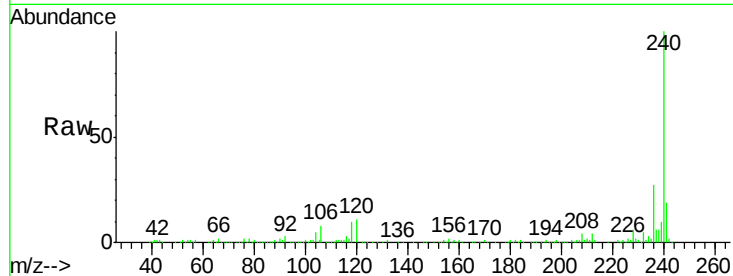
Tot Ion:240 Resp: 214528

Ion Ratio Lower Upper

240 100

120 11.2 11.2 16.8

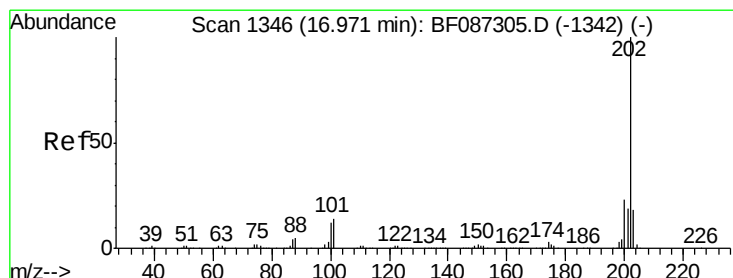
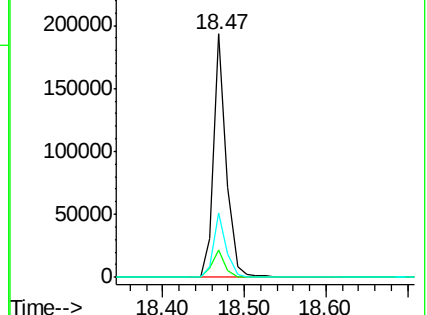
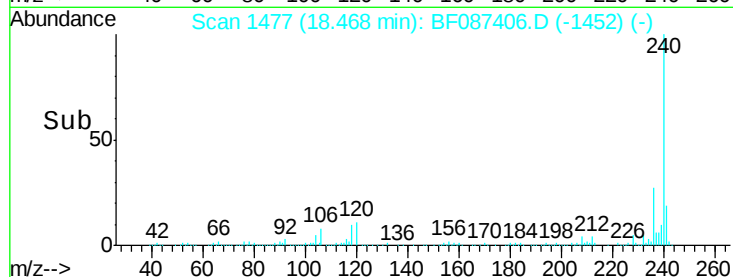
236 26.5 21.2 31.8



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: 4.20 ng

RT: 16.88 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

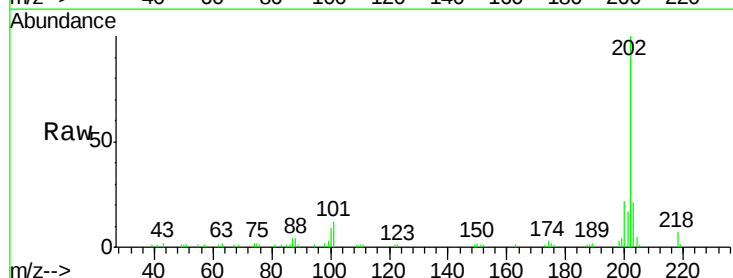
Tgt Ion:202 Resp: 64927

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

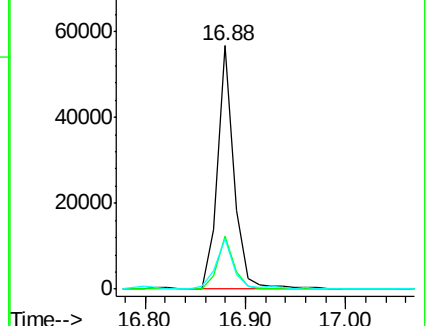
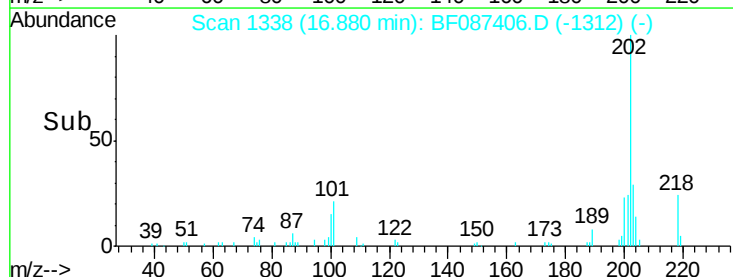
203 20.6 14.2 21.4

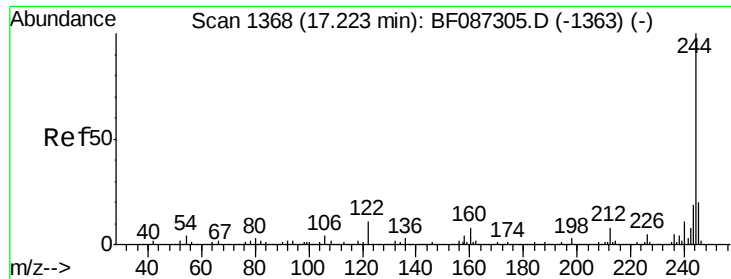


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

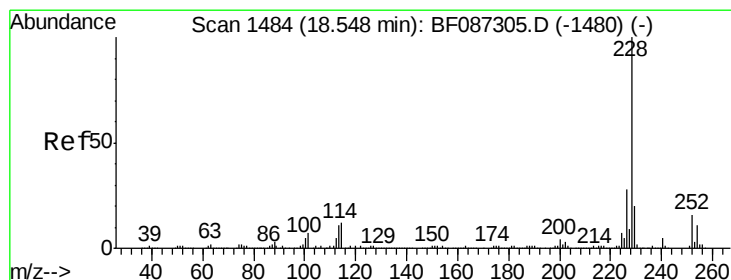
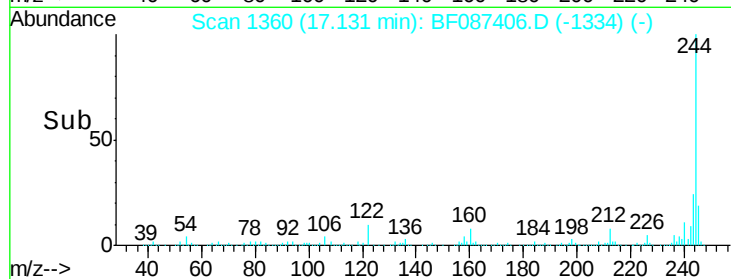
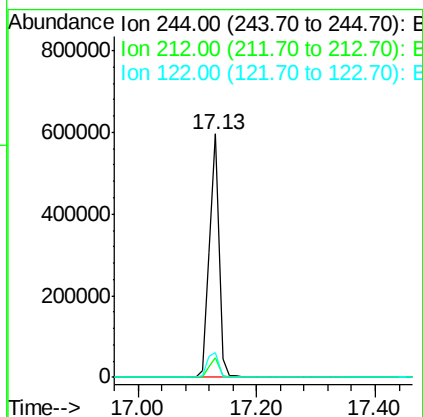
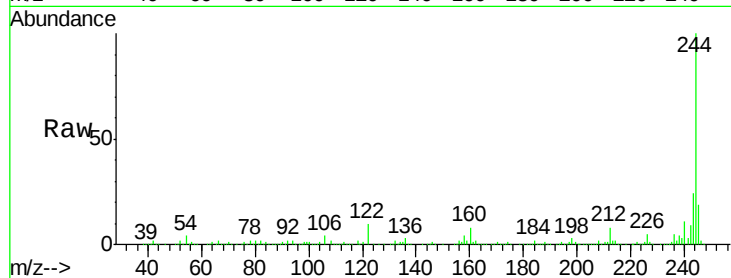




#78
 Terphenyl-d14
 Concen: 66.30 ng
 RT: 17.13 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: BF087406.D
 Acq: 26 May 2016 10:58

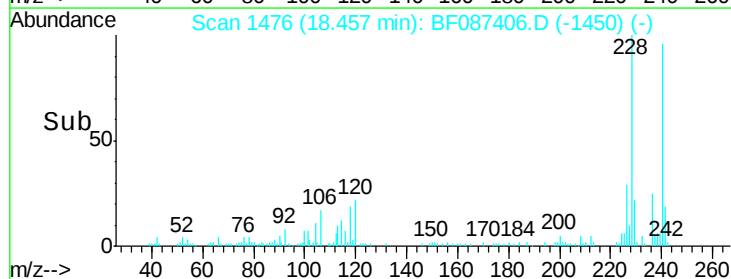
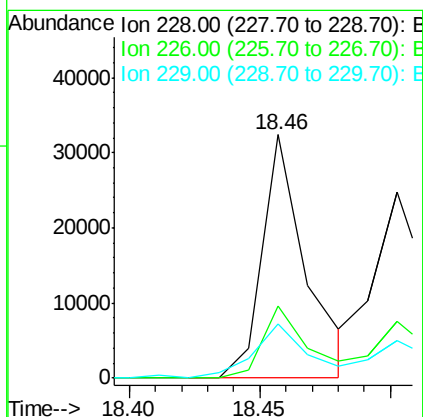
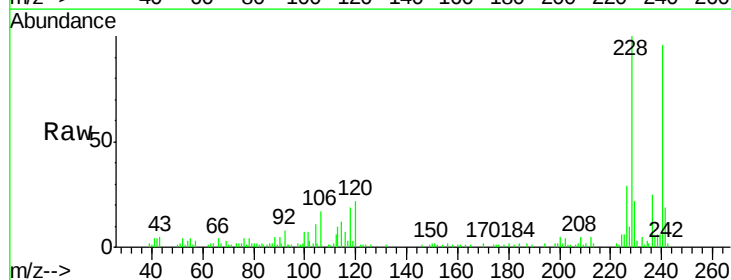
Instrument :
 BNA_F
 ClientSampled :

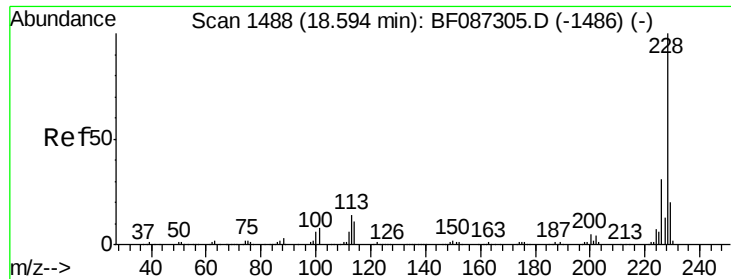
Tot Ion:244 Resp: 669060
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 10.0 12.0 18.0#



#80
 Benzo(a)anthracene
 Concen: 3.10 ng
 RT: 18.46 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: BF087406.D
 Acq: 26 May 2016 10:58

Tgt Ion:228 Resp: 37816
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.5 33.7
 229 22.5 16.6 25.0





#82

Chrysene

Concen: 2.94 ng

RT: 18.50 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampleId :

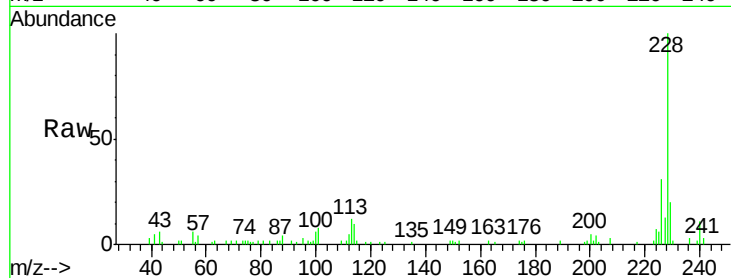
Tot Ion:228 Resp: 35664

Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

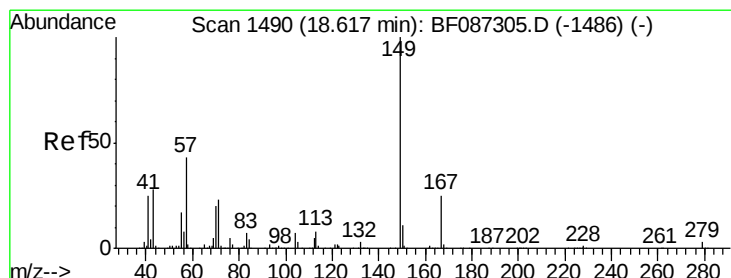
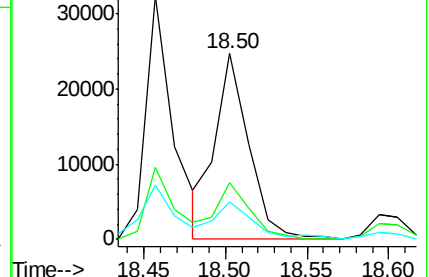
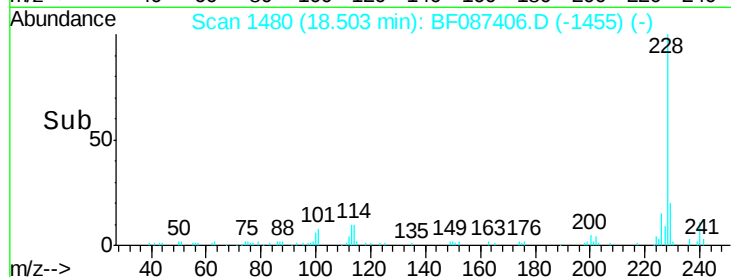
229 20.3 15.8 23.8



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.24 ng

RT: 18.54 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

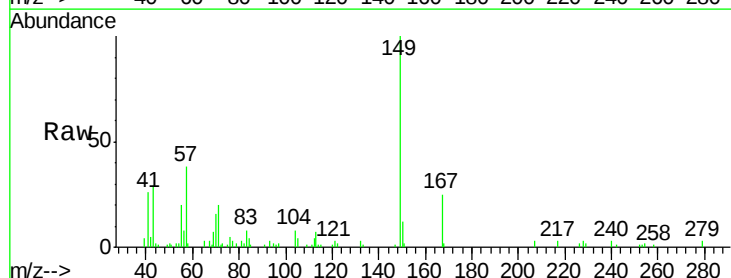
Tgt Ion:149 Resp: 32359

Ion Ratio Lower Upper

149 100

167 24.5 21.8 32.6

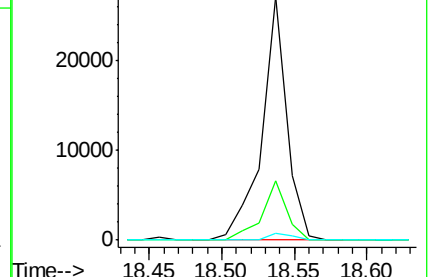
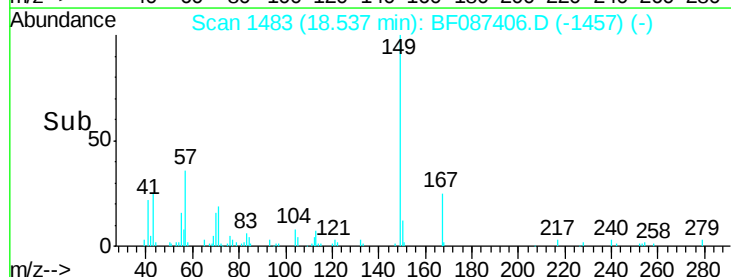
279 2.6 2.6 4.0

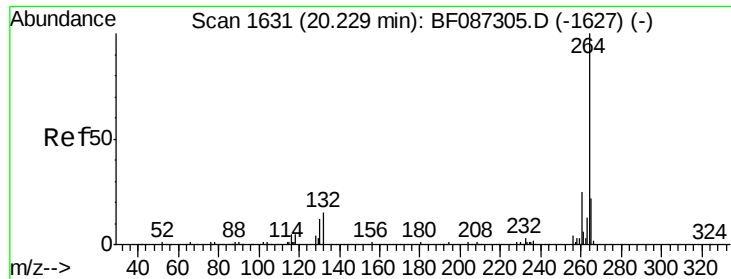


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



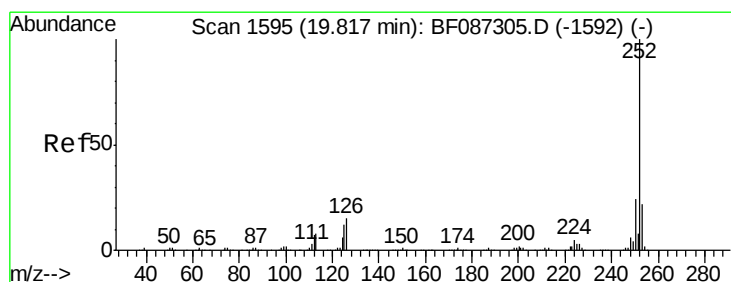
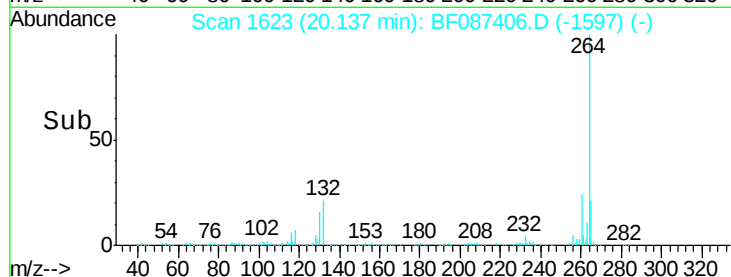
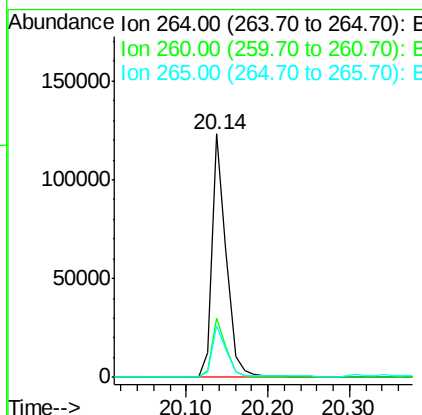
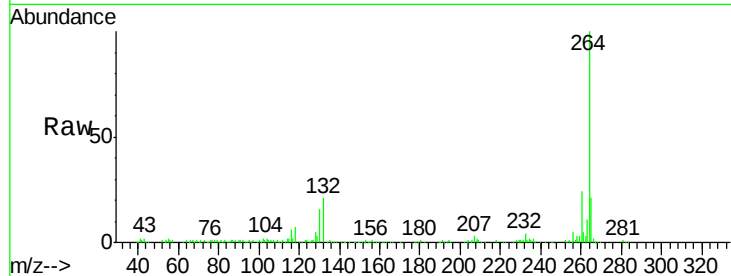


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 152012

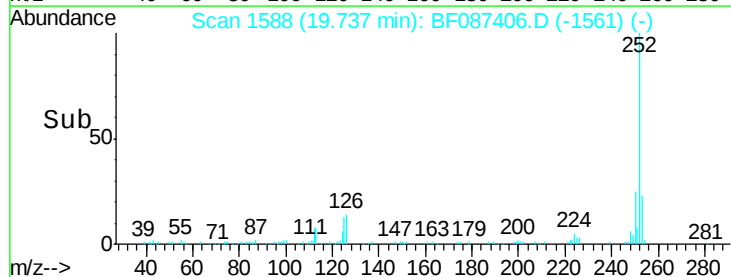
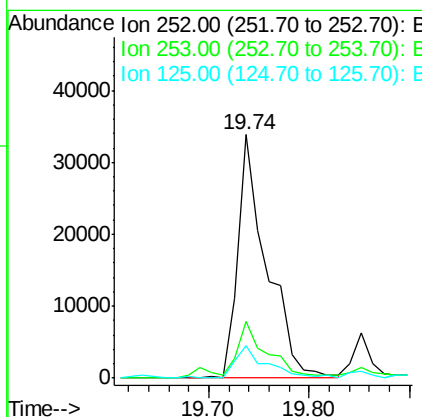
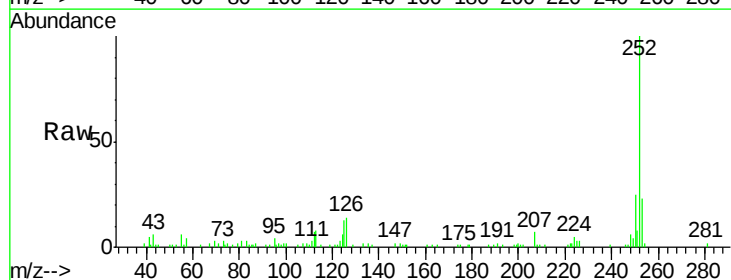
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.2	17.3	25.9

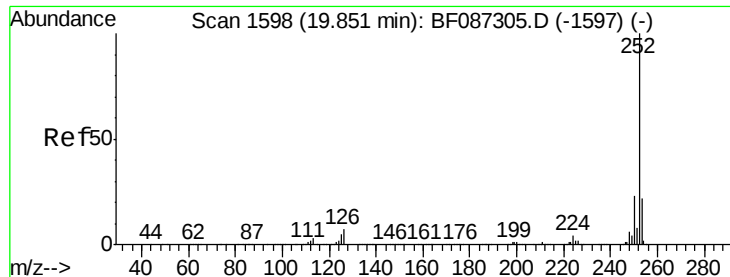


#87
Benzo(b)fluoranthene
Concen: 6.97 ng
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087406.D
Acq: 26 May 2016 10:58

Tgt Ion:252 Resp: 67465

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.2	11.4	17.0





#88

Benzo(k)fluoranthene

Concen: 8.09 ng

RT: 19.74 min Scan# 1588

Delta R.T. -0.02 min

Lab File: BF087406.D

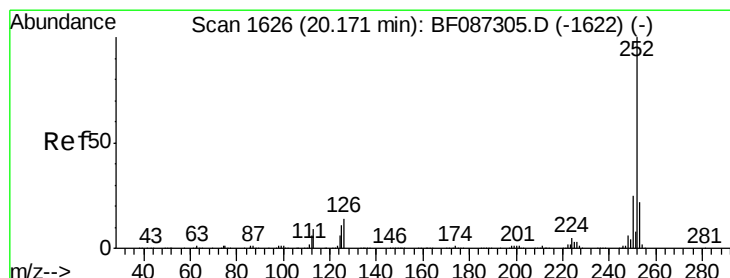
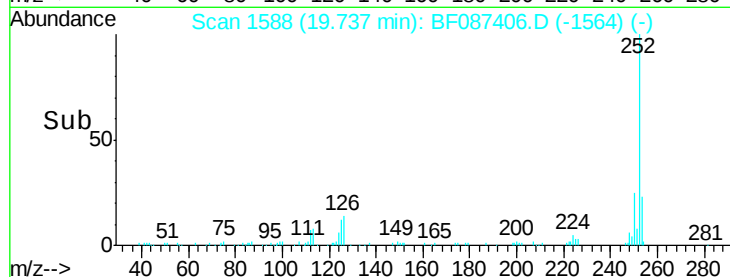
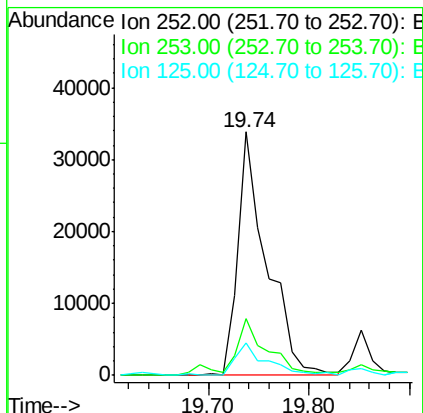
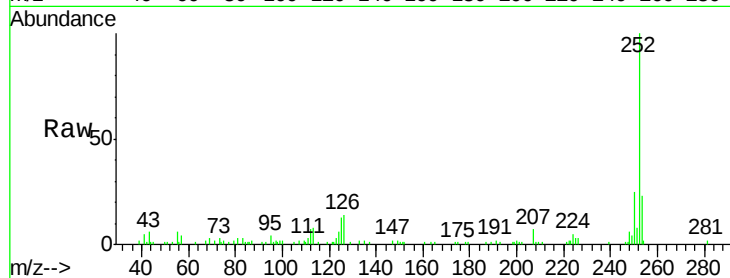
Acq: 26 May 2016 10:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	67465
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.8 26.6
125	13.2	9.1 13.7



#89

Benzo(a)pyrene

Concen: 3.67 ng

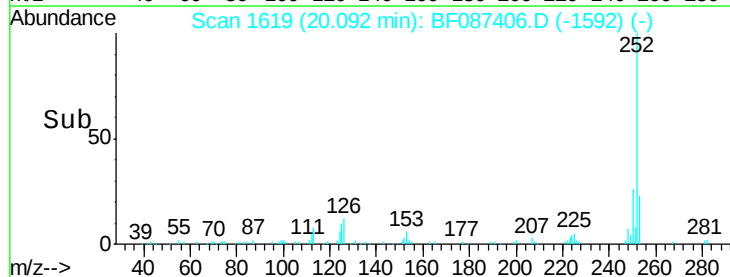
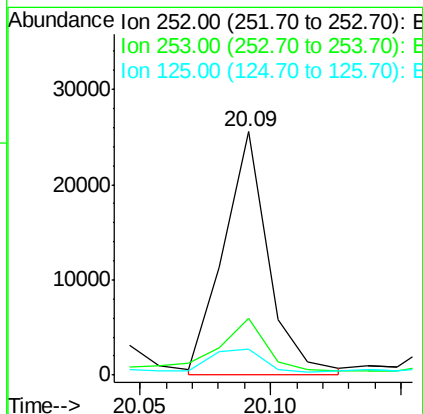
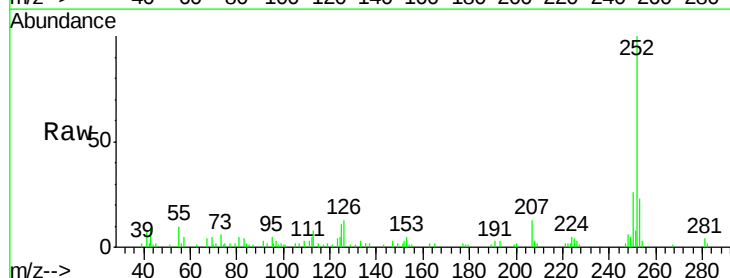
RT: 20.09 min Scan# 1619

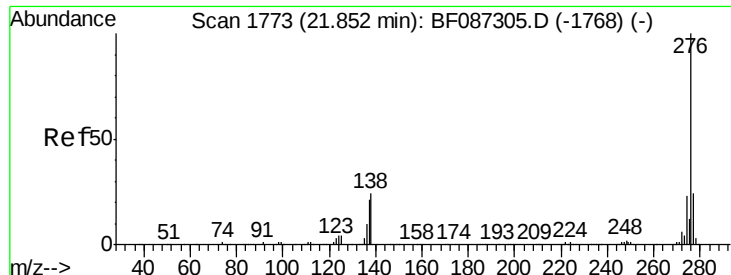
Delta R.T. 0.01 min

Lab File: BF087406.D

Acq: 26 May 2016 10:58

Tgt Ion:252	Resp:	30764
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.2 25.8
125	10.7	9.0 13.6

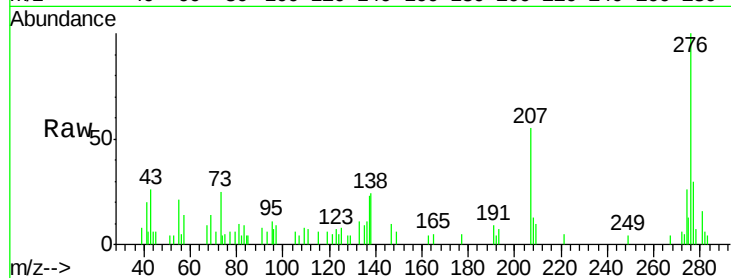




#91
 Benzo(a,h,i)perylene
 Concen: 2.57 ng
 RT: 21.74 min Scan# 1763
 Delta R.T. 0.02 min
 Lab File: BF087406.D
 Acq: 26 May 2016 10:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.6	29.4
138	23.6	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

