

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053116\
 Data File : BF087619.D
 Acq On : 1 Jun 2016 12:52
 Operator : UM/SJ
 Sample : H3258-01RE
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1RE

Quant Time: Jun 01 14:40:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 01 13:33:47 2016
 Response via : Initial Calibration

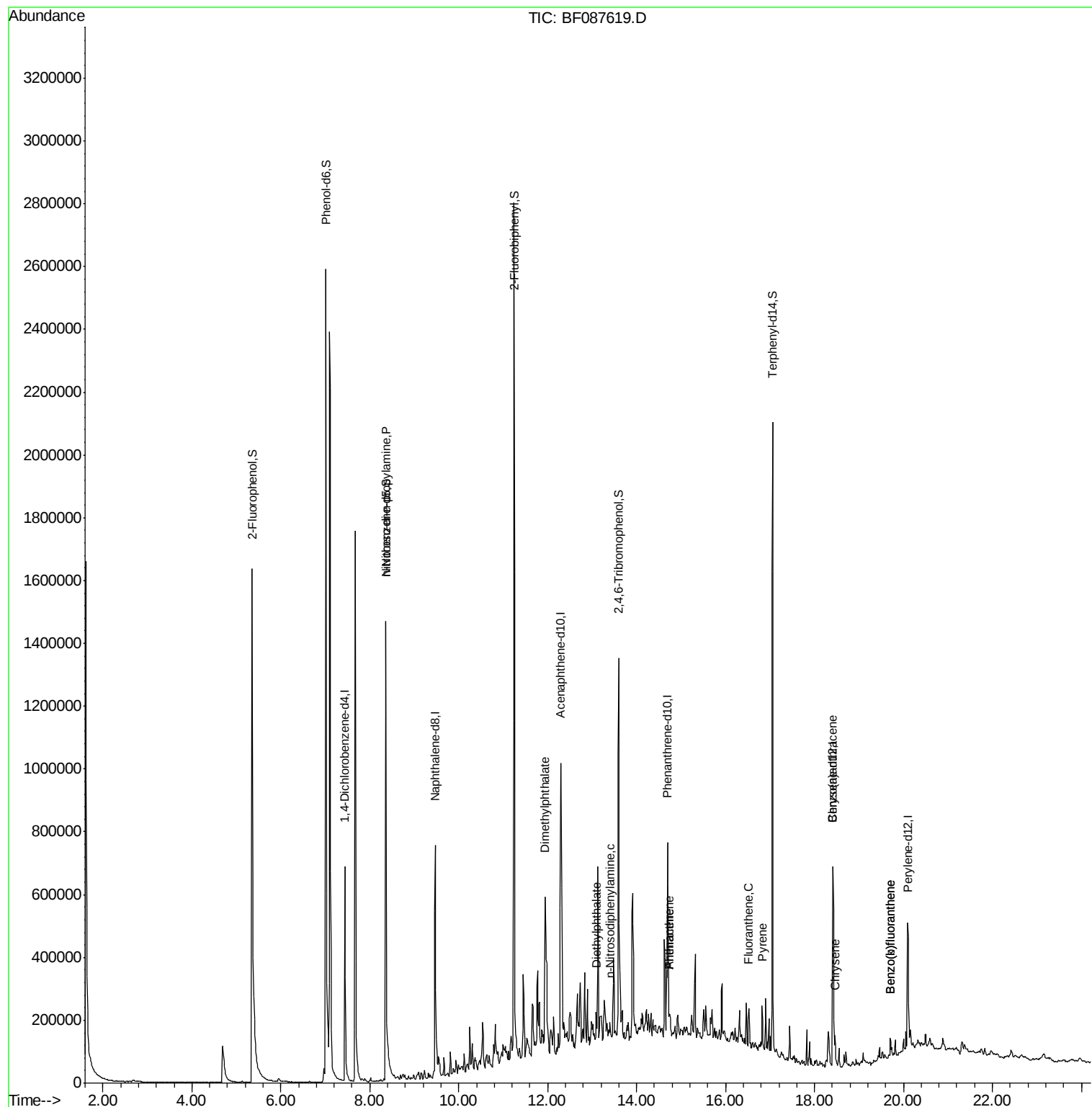
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	137051	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	544319	20.00	ng	0.00
38) Acenaphthene-d10	12.30	164	225246	20.00	ng	-0.01
63) Phenanthrene-d10	14.70	188	343883	20.00	ng	-0.01
75) Chrysene-d12	18.41	240	292111	20.00	ng	-0.01
86) Perylene-d12	20.10	264	236689	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	917904	117.69	ng	0.01
7) Phenol-d6	7.02	99	1258703	119.43	ng	0.00
23) Nitrobenzene-d5	8.36	82	811263	75.12	ng	-0.01
41) 2,4,6-Tribromophenol	13.60	330	194706	89.95	ng	-0.01
44) 2-Fluorobiphenyl	11.25	172	1202234	75.25	ng	-0.01
78) Terphenyl-d14	17.06	244	821411	59.78	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.36	70	105588	13.43	ng	# 76
49) Dimethylphthalate	11.94	163	222794	12.35	ng	99
59) Diethylphthalate	13.09	149	45188	2.58	ng	98
65) n-Nitrosodiphenylamine	13.41	169	22748	2.05	ng	# 57
70) Phenanthrene	14.74	178	58830	3.09	ng	98
71) Anthracene	14.74	178	58830	3.06	ng	97
74) Fluoranthene	16.53	202	75978	3.98	ng	90
77) Pyrene	16.82	202	70687	3.36	ng	98
80) Benzo(a)anthracene	18.41	228	39879	2.40	ng	98
82) Chrysene	18.46	228	35587	2.16	ng	96
87) Benzo(b)fluoranthene	19.70	252	49574	3.29	ng	93
88) Benzo(k)fluoranthene	19.70	252	49574	3.82	ng	# 91

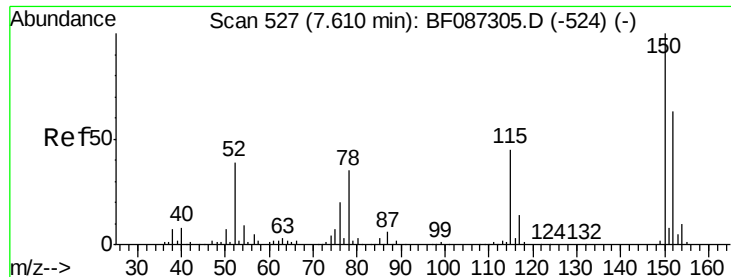
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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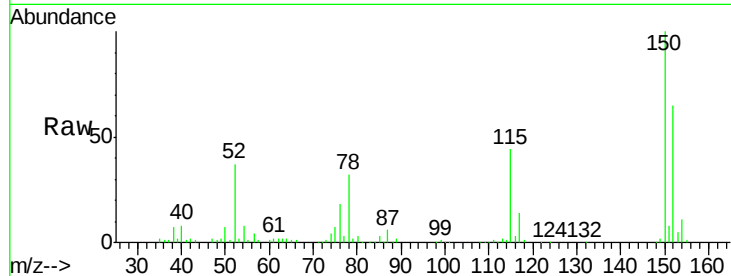


#1

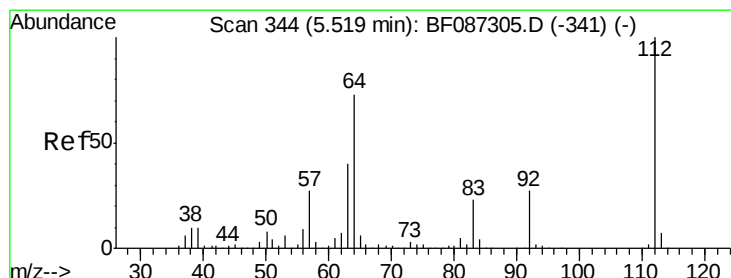
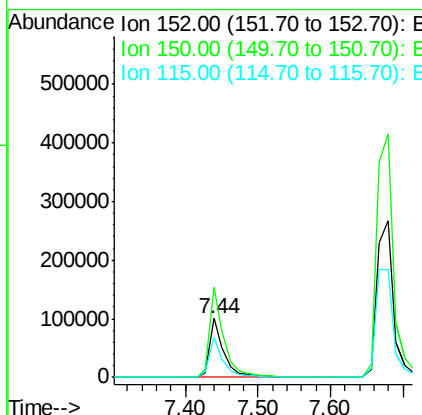
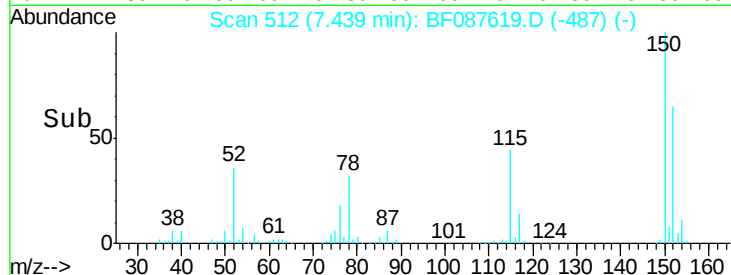
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

Instrument :
BNA_F
ClientSampled :
B-1RE

Tgt Ion:152 Resp: 137051
Ion Ratio Lower Upper
152 100
150 153.2 125.8 188.6
115 67.2 51.5 77.3



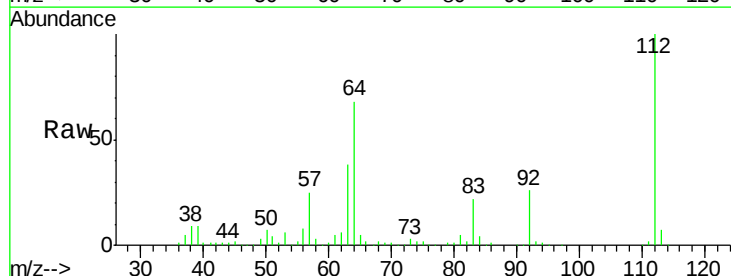
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



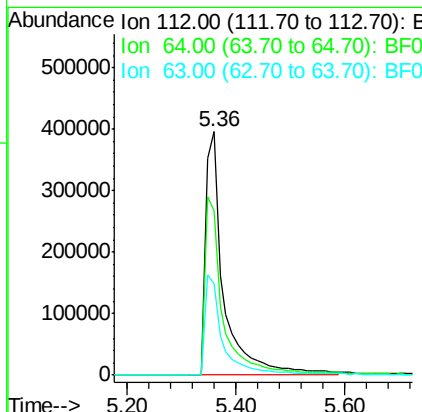
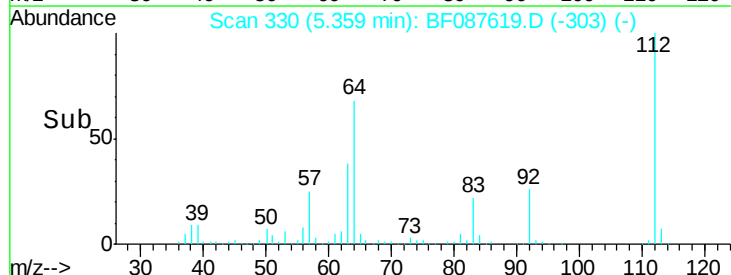
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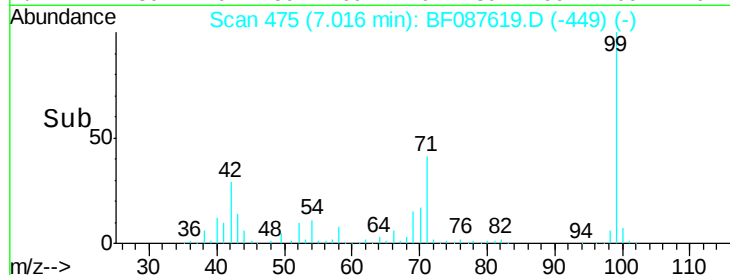
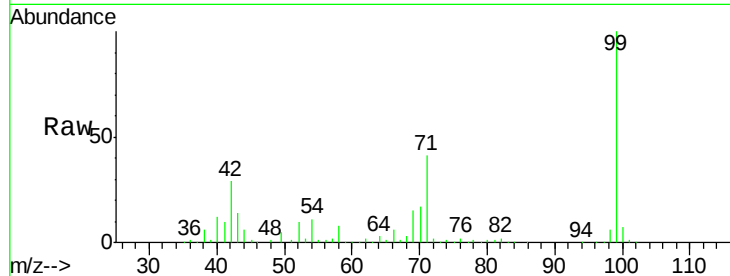
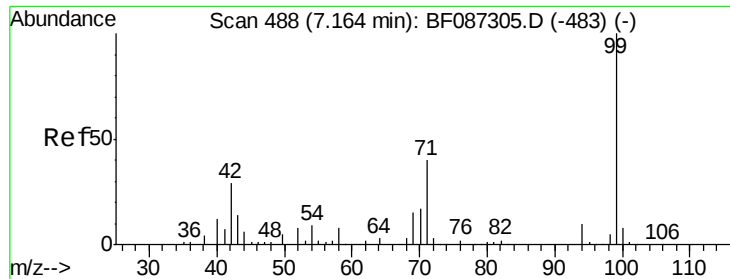
2-Fluorophenol
Concen: 117.69 ng
RT: 5.36 min Scan# 330
Delta R.T. 0.01 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

Tgt Ion:112 Resp: 917904
Ion Ratio Lower Upper
112 100
64 67.6 52.1 78.1
63 37.6 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: 119.43 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :

BNA_F

ClientSampleId :

B-1RE

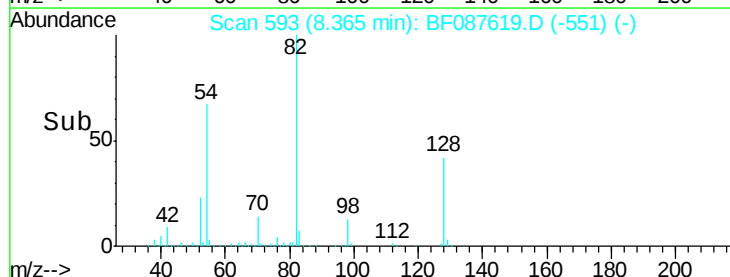
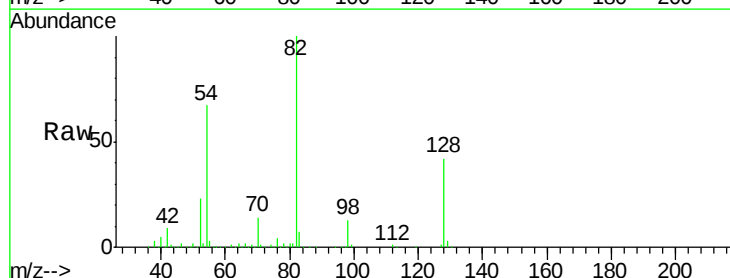
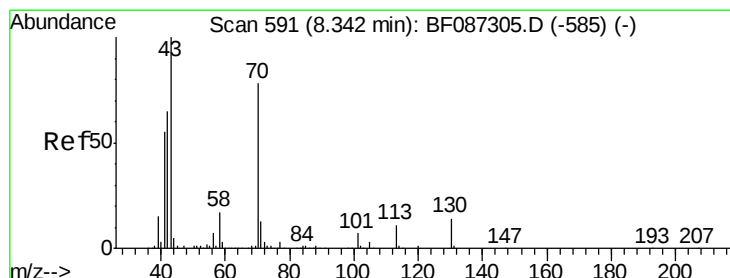
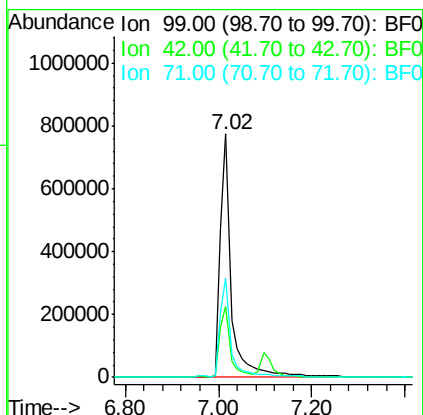
Tgt Ion: 99 Resp: 1258703

Ion Ratio Lower Upper

99 100

42 29.2 13.6 20.4#

71 40.7 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 13.43 ng

RT: 8.36 min Scan# 593

Delta R.T. 0.18 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Tgt Ion: 70 Resp: 105588

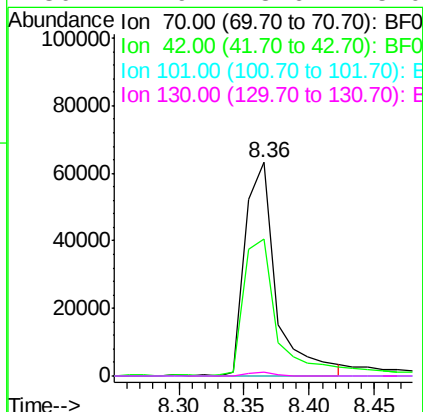
Ion Ratio Lower Upper

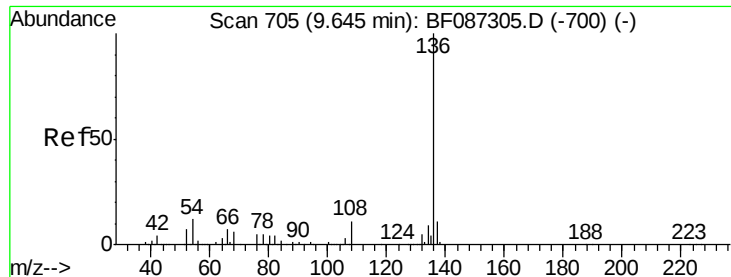
70 100

42 64.2 43.1 64.7

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

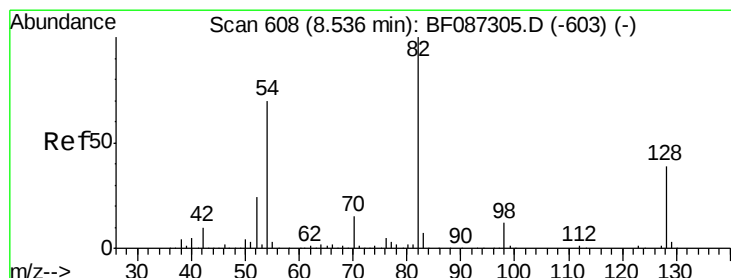
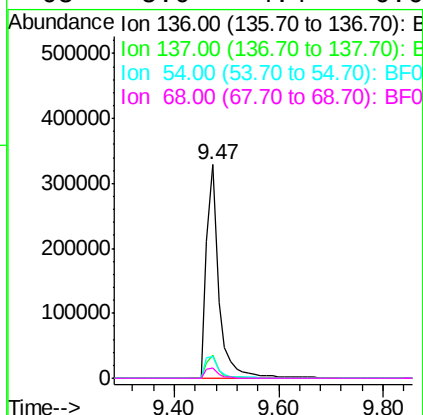
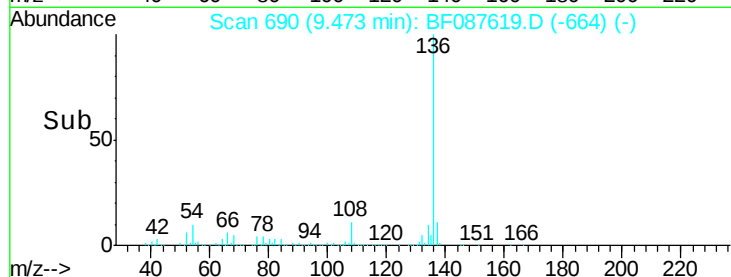
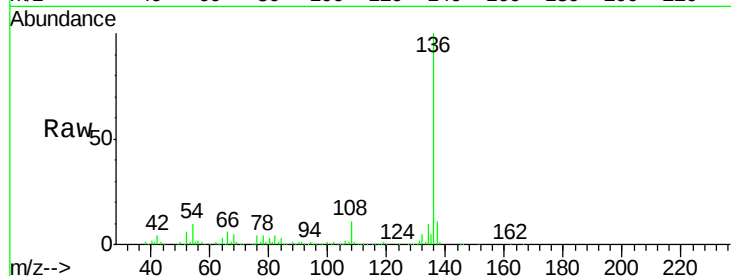




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

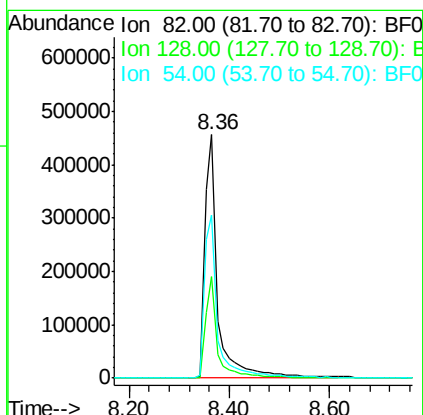
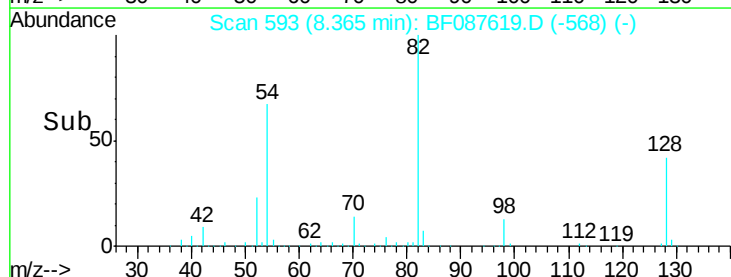
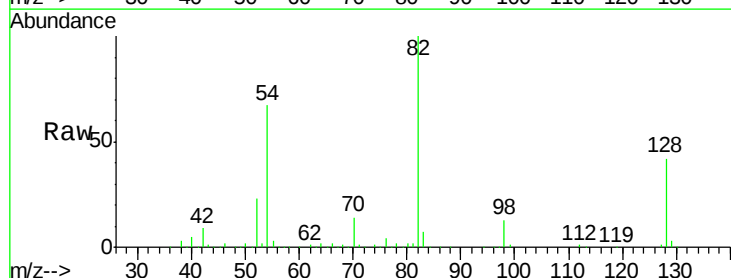
Instrument :
BNA_F
ClientSampleId :
B-1RE

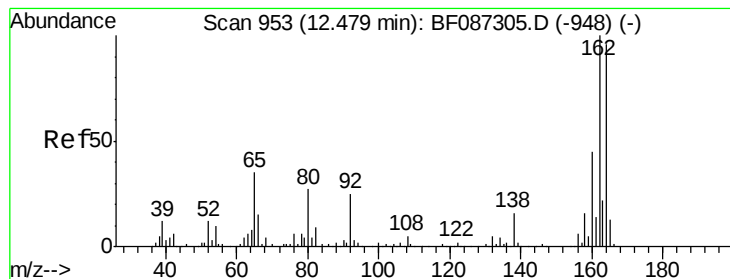
Tgt Ion:	136	Resp:	544319
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	10.3	5.0	7.4#
68	5.0	4.4	6.6



#23
Nitrobenzene-d5
Concen: 75.12 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

Tgt Ion:	82	Resp:	811263
Ion	Ratio	Lower	Upper
82	100		
128	41.7	40.6	61.0
54	67.2	38.1	57.1#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.30 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :

BNA_F

ClientSampleId :

B-1RE

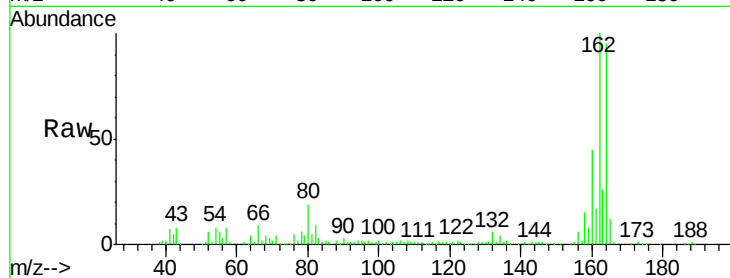
Tgt Ion:164 Resp: 225246

Ion Ratio Lower Upper

164 100

162 105.2 82.8 124.2

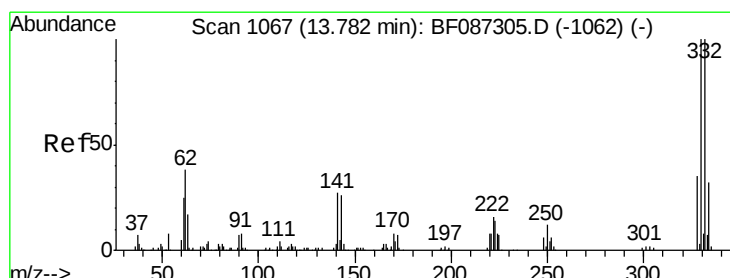
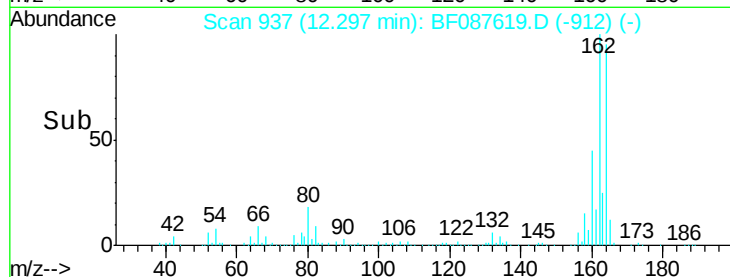
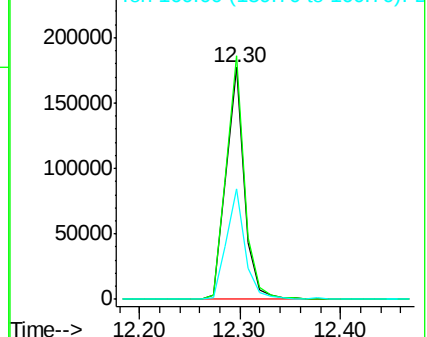
160 47.7 36.9 55.3



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: 89.95 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

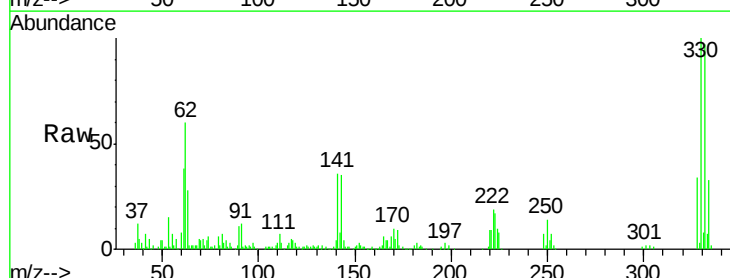
Tgt Ion:330 Resp: 194706

Ion Ratio Lower Upper

330 100

332 97.2 79.0 118.4

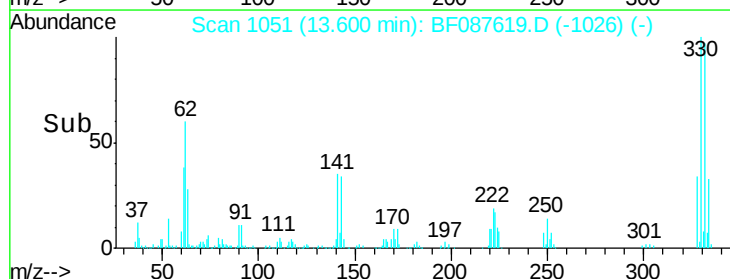
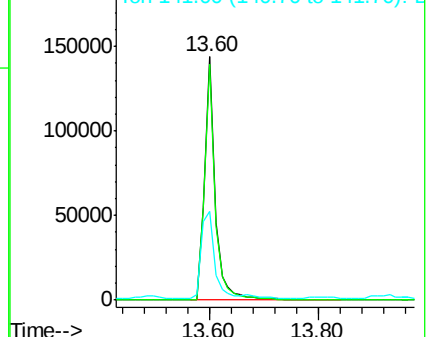
141 45.5 31.2 46.8

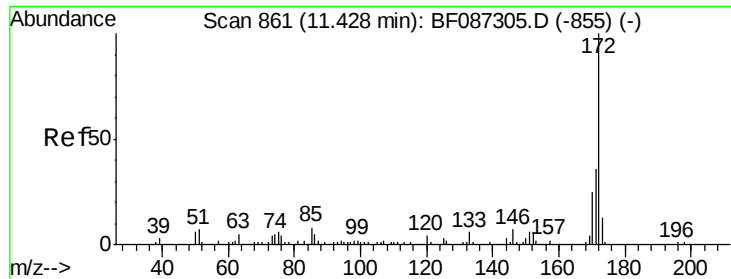


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

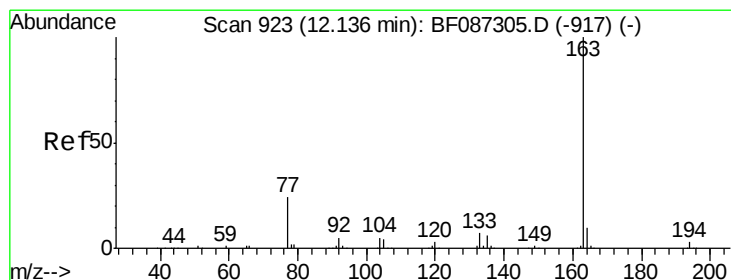
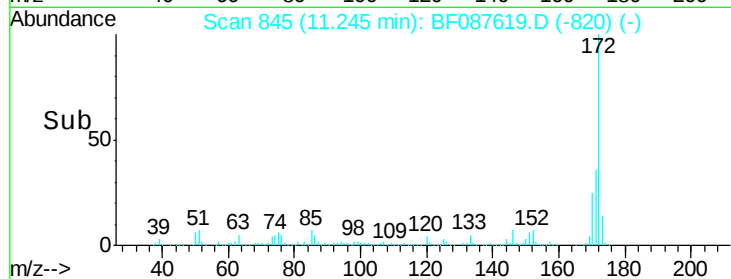
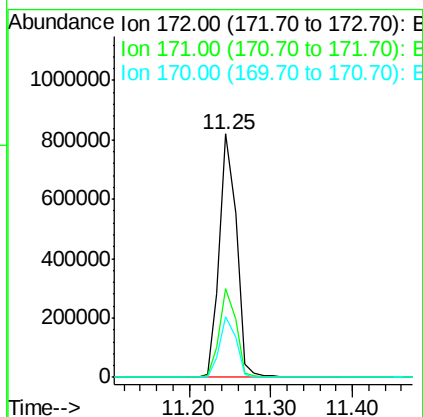
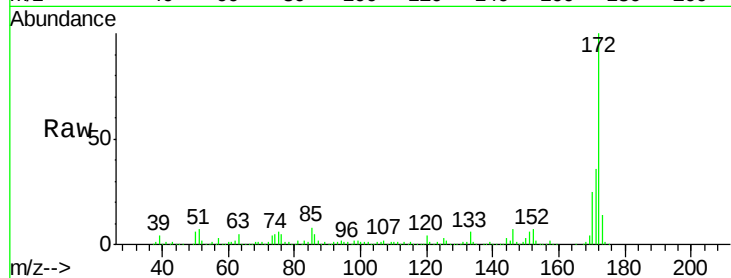




#44
2-Fluorobiphenyl
Concen: 75.25 ng
RT: 11.25 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

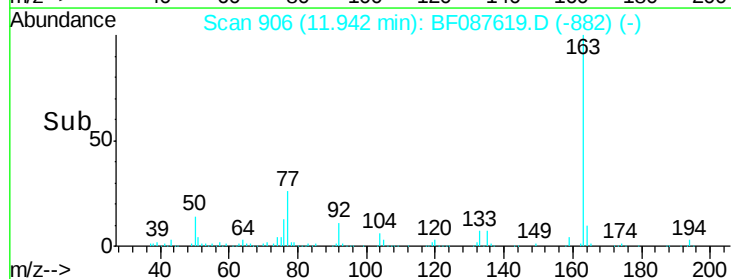
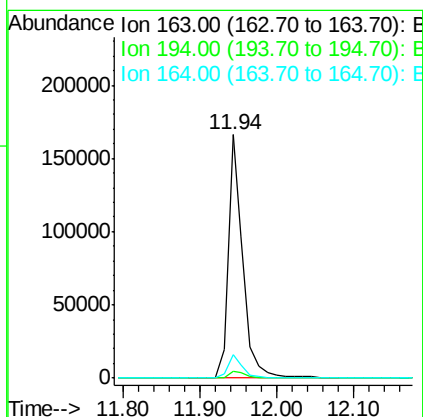
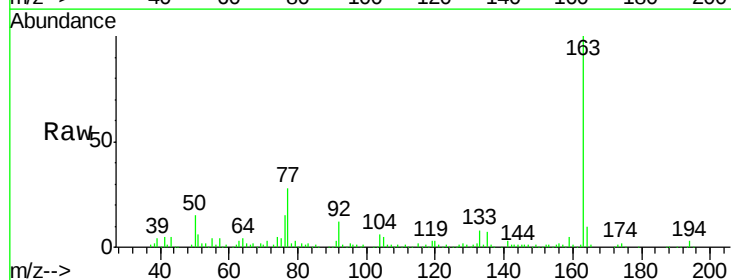
Instrument :
BNA_F
ClientSampled :
B-1RE

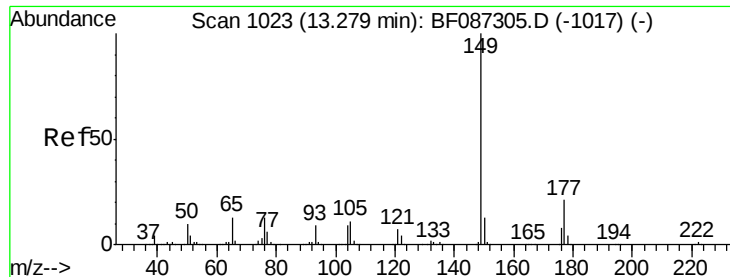
Tgt Ion:172 Resp: 1202234
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 24.8 19.8 29.8



#49
Dimethylphthalate
Concen: 12.35 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.02 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

Tgt Ion:163 Resp: 222794
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.9 8.2 12.4

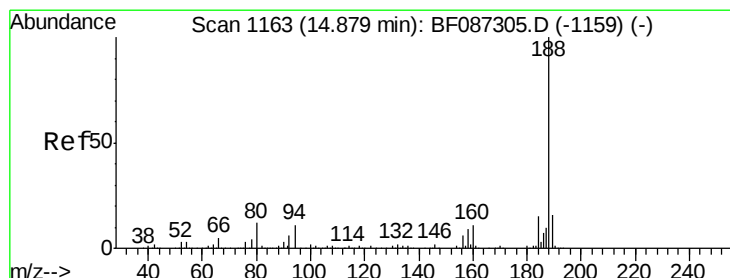
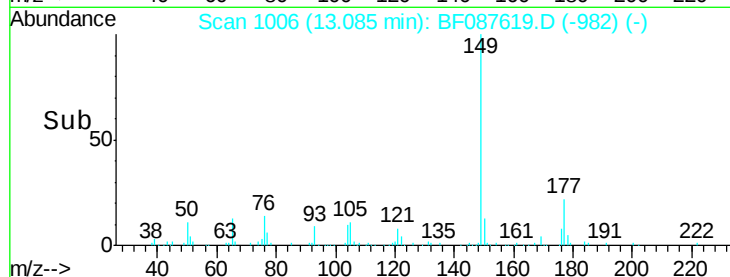
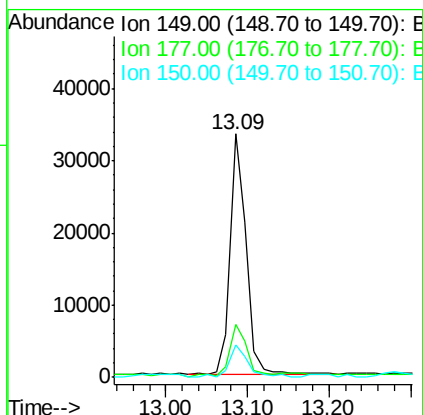
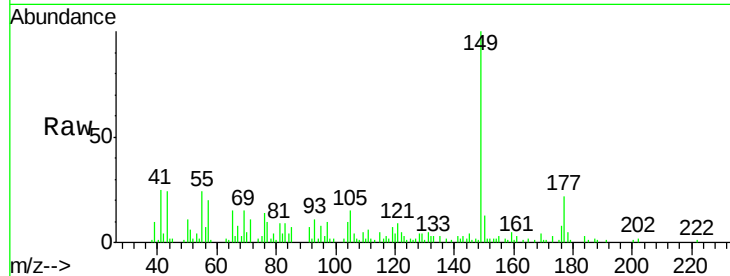




#59
Diethylphthalate
Concen: 2.58 ng
RT: 13.09 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

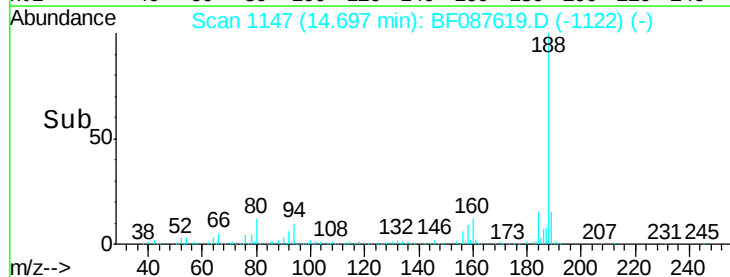
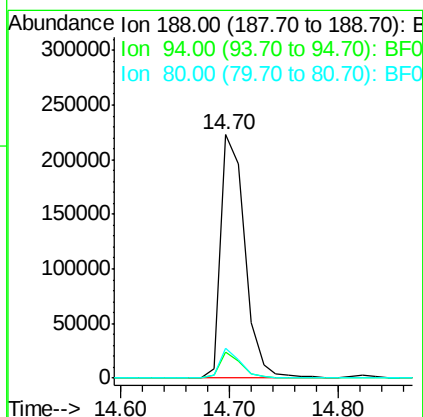
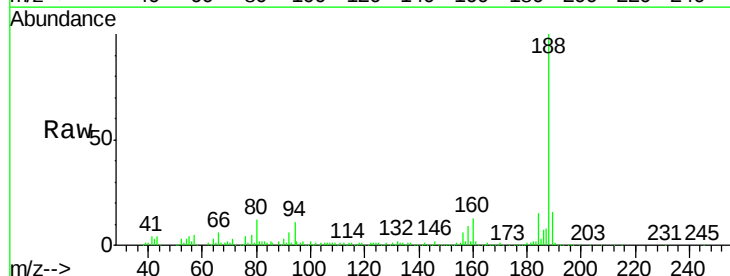
Instrument :
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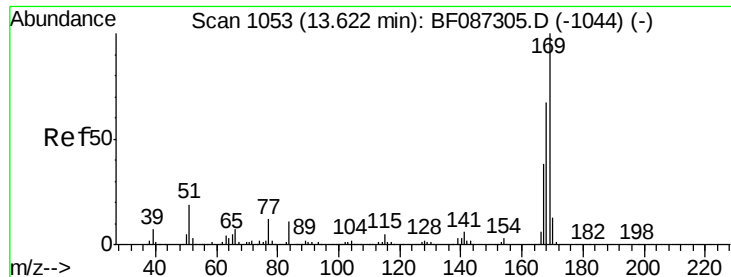
Tgt Ion:149 Resp: 45188
Ion Ratio Lower Upper
149 100
177 21.8 16.6 24.8
150 13.3 10.0 15.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF087619.D
Acq: 1 Jun 2016 12:52

Tgt Ion:188 Resp: 343883
Ion Ratio Lower Upper
188 100
94 10.5 6.8 10.2#
80 12.2 7.1 10.7#





#65

n-Nitrosodiphenylamine

Concen: 2.05 ng

RT: 13.41 min Scan# 1034

Delta R.T. -0.05 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :

BNA_F

ClientSampleId :

B-1RE

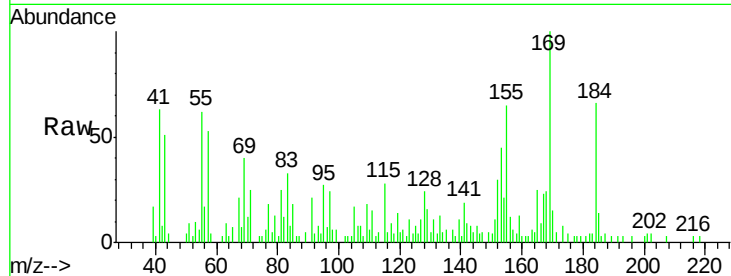
Tgt Ion:169 Resp: 22748

Ion Ratio Lower Upper

169 100

168 23.8 53.8 80.6#

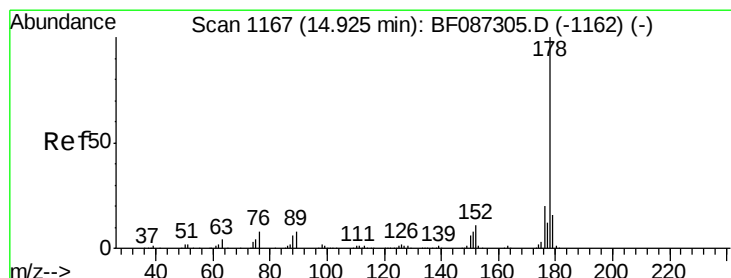
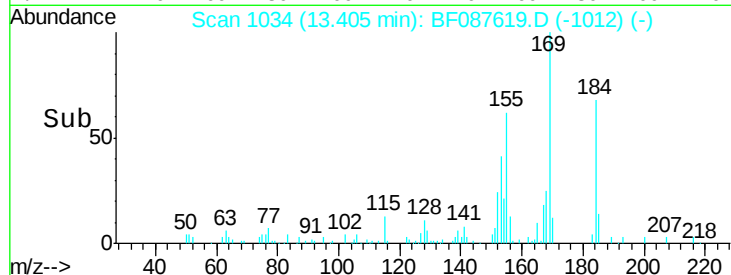
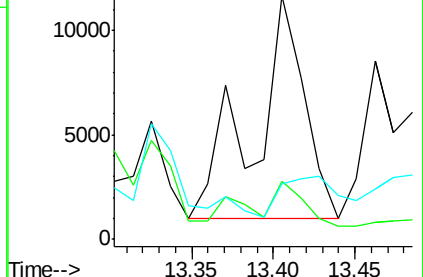
167 22.8 29.5 44.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 3.09 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

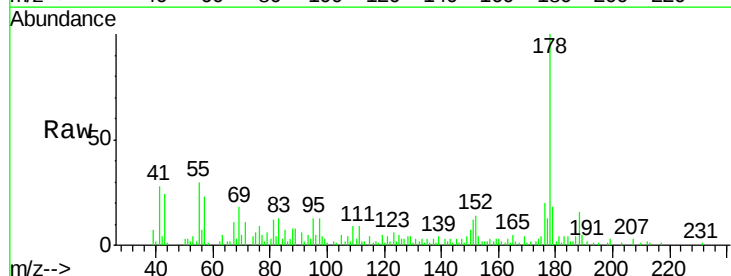
Tgt Ion:178 Resp: 58830

Ion Ratio Lower Upper

178 100

176 19.9 16.0 24.0

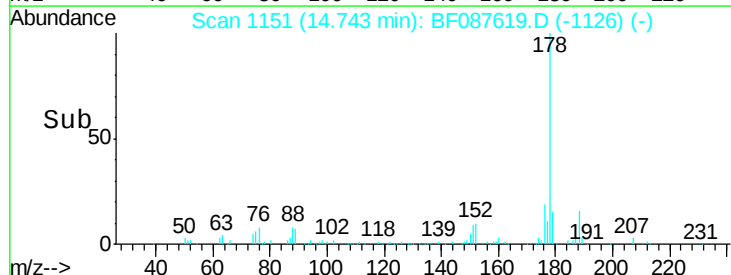
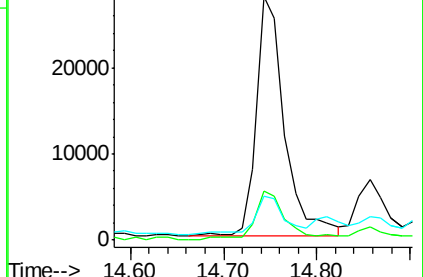
179 17.9 12.6 18.8

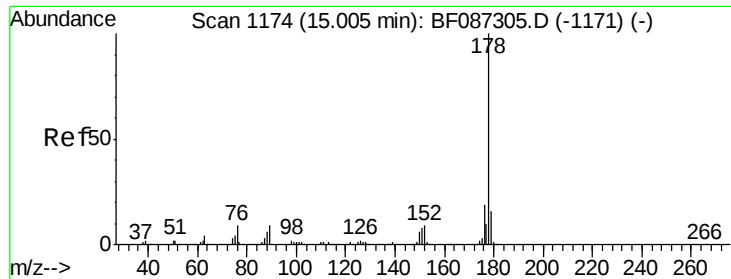


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

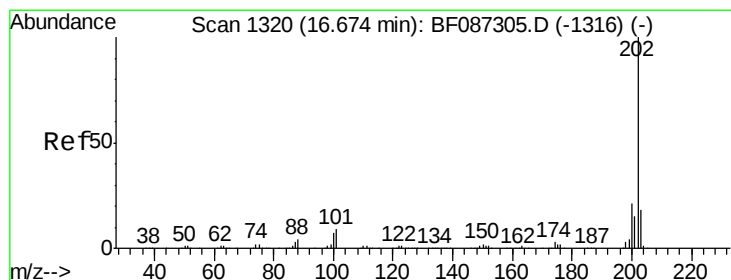
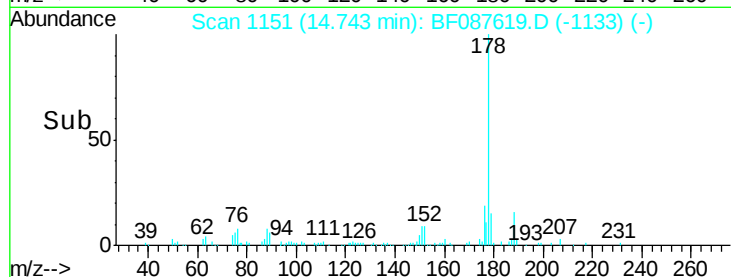
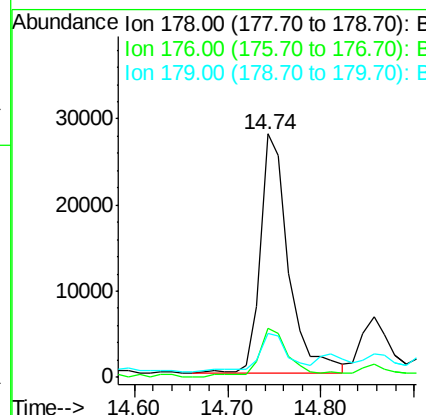
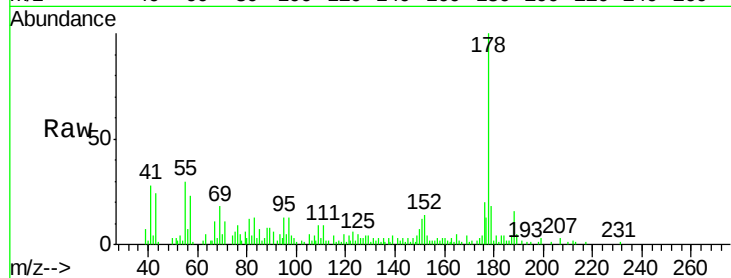




#71
 Anthracene
 Concen: 3.06 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.09 min
 Lab File: BF087619.D
 Acq: 1 Jun 2016 12:52

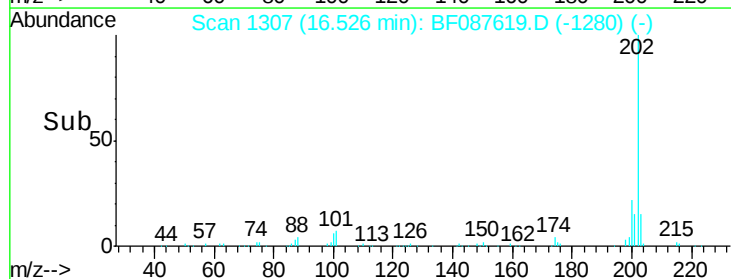
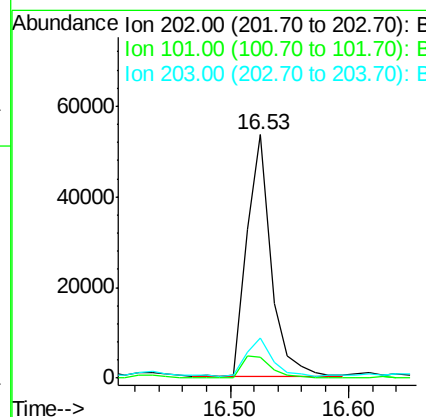
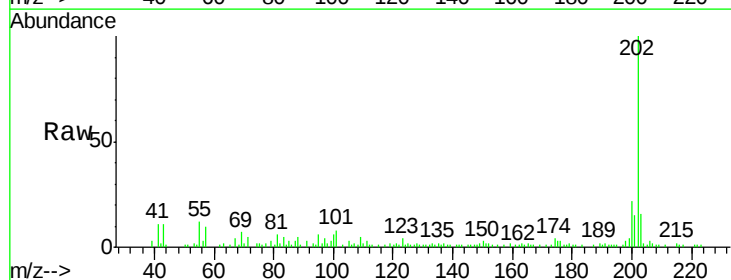
Instrument :
 BNA_F
 ClientSampleId :
 B-1RE

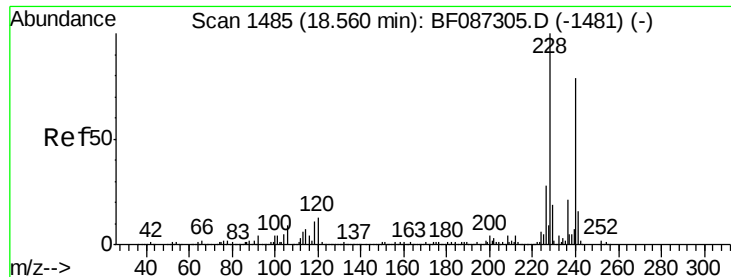
Tgt Ion:178 Resp: 58830
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.6 23.4
 179 17.9 12.7 19.1



#74
 Fluoranthene
 Concen: 3.98 ng
 RT: 16.53 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF087619.D
 Acq: 1 Jun 2016 12:52

Tgt Ion:202 Resp: 75978
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 35.4
 203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.41 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :

BNA_F

ClientSampled :

B-1RE

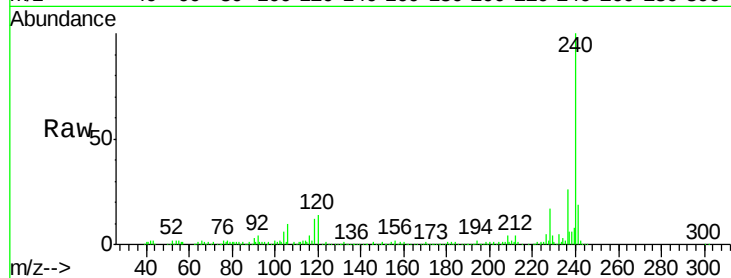
Tgt Ion:240 Resp: 292111

Ion Ratio Lower Upper

240 100

120 13.7 11.2 16.8

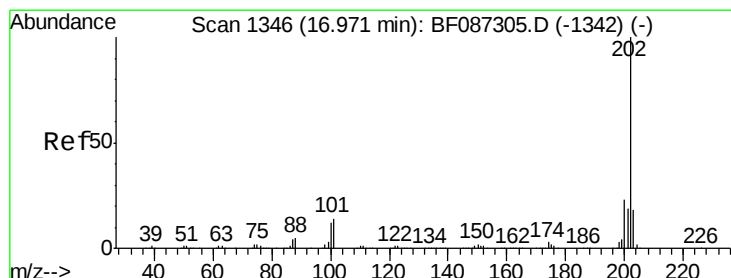
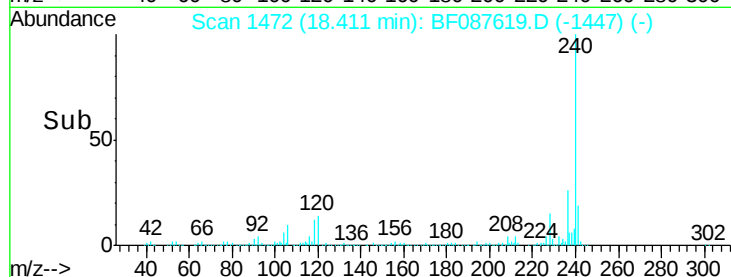
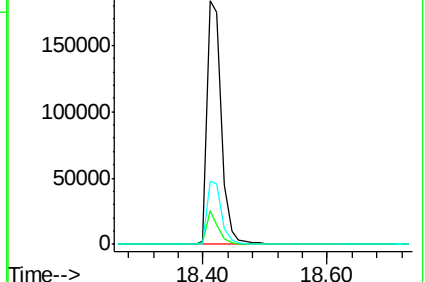
236 26.0 21.2 31.8



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: 3.36 ng

RT: 16.82 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

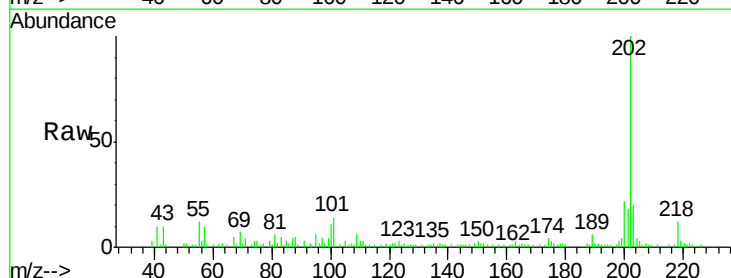
Tgt Ion:202 Resp: 70687

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

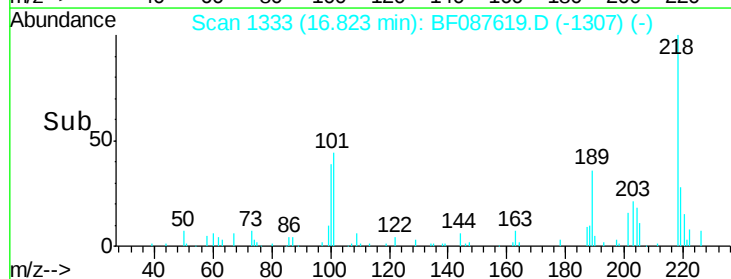
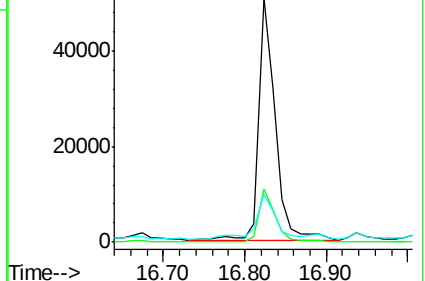
203 19.8 14.2 21.4

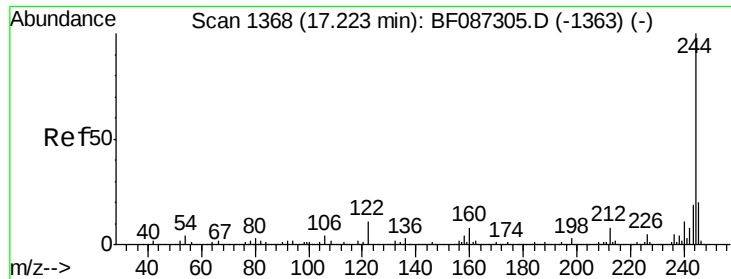


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 59.78 ng

RT: 17.06 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :

BNA_F

ClientSampleId :

B-1RE

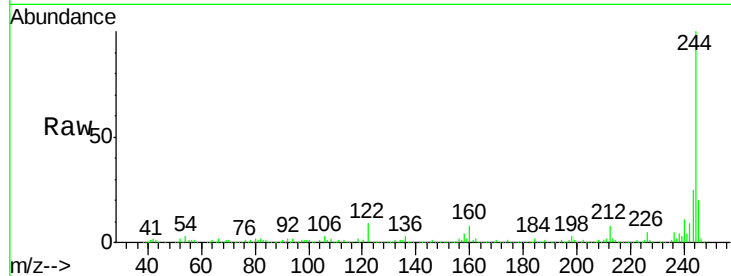
Tgt Ion:244 Resp: 821411

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

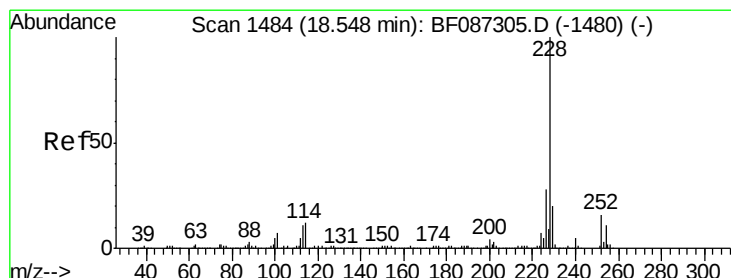
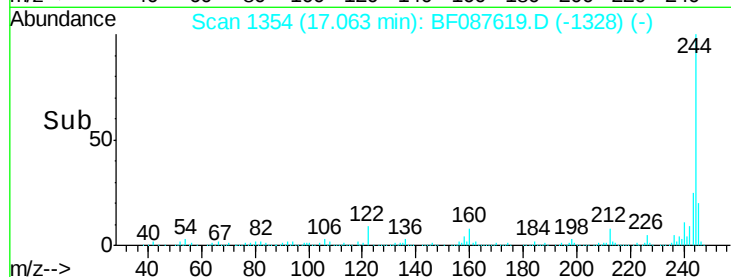
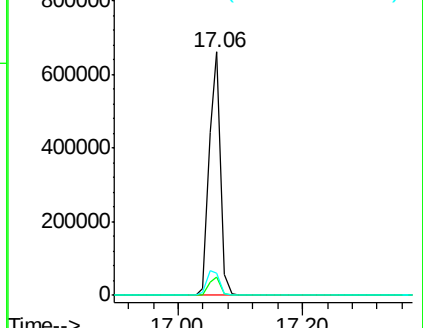
122 9.4 12.0 18.0#



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: 2.40 ng

RT: 18.41 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

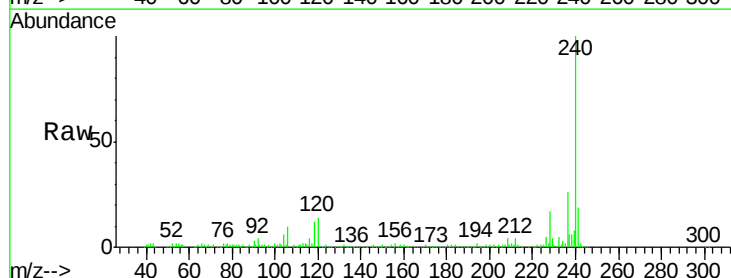
Tgt Ion:228 Resp: 39879

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

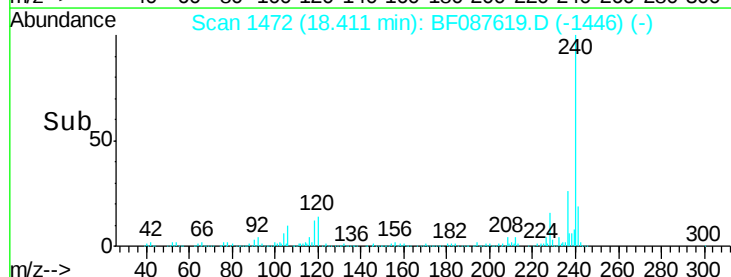
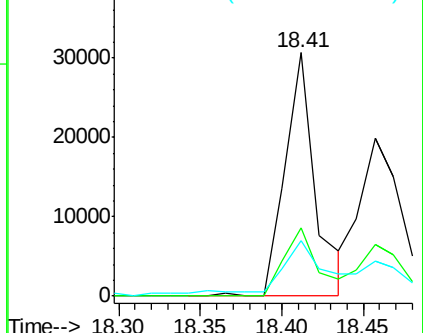
229 22.8 16.6 25.0

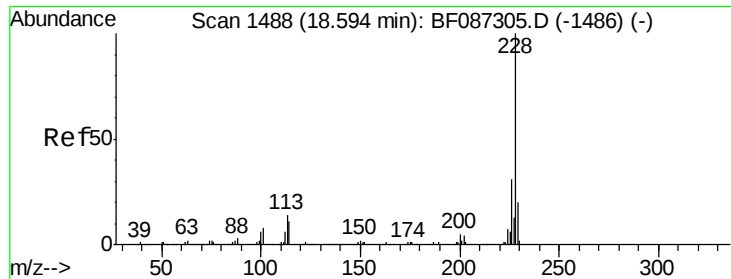


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.16 ng

RT: 18.46 min Scan# 1476

Delta R.T. 0.00 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :

BNA_F

ClientSampleId :

B-1RE

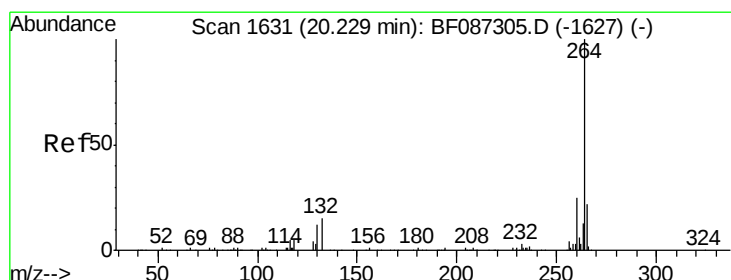
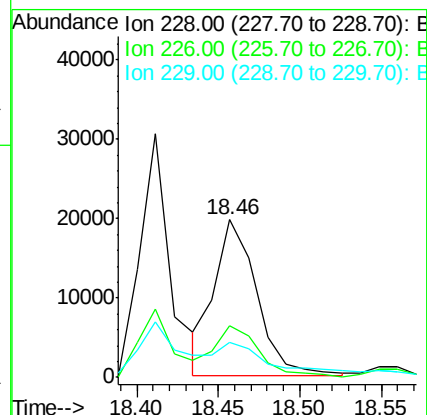
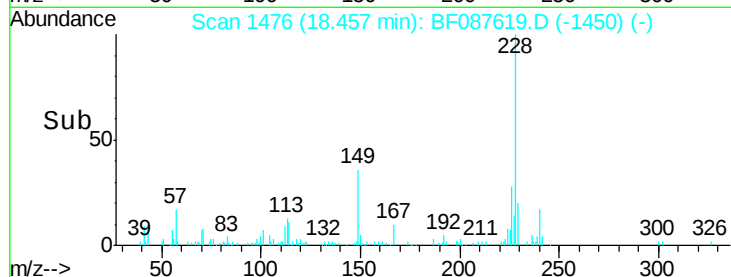
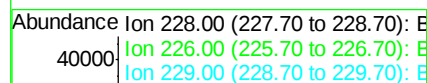
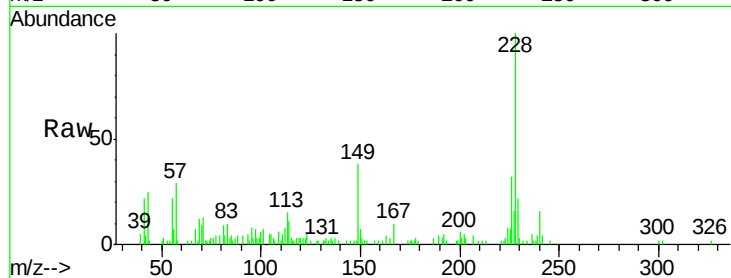
Tgt Ion:228 Resp: 35587

Ion Ratio Lower Upper

228 100

226 32.5 24.4 36.6

229 22.0 15.8 23.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.10 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

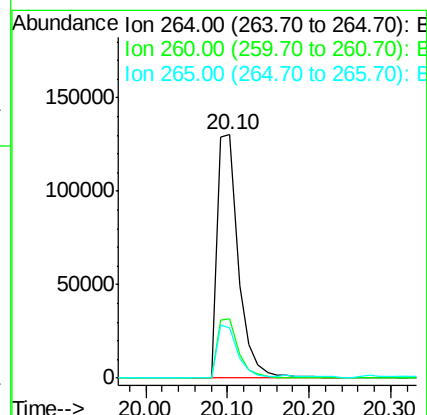
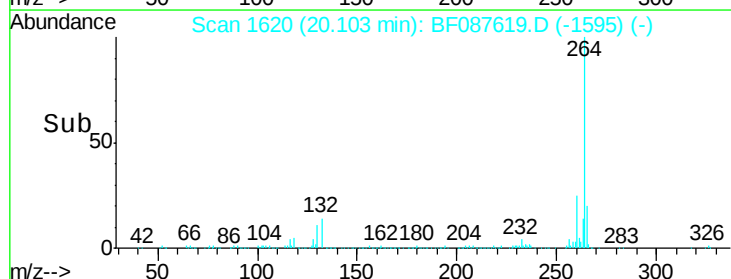
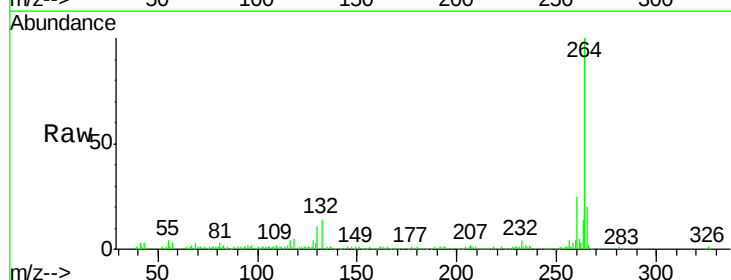
Tgt Ion:264 Resp: 236689

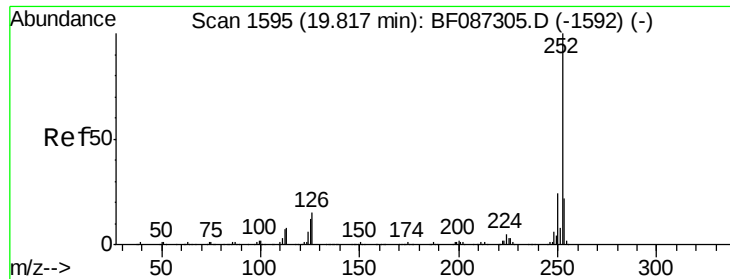
Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 20.4 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 3.29 ng

RT: 19.70 min Scan# 1585

Delta R.T. 0.01 min

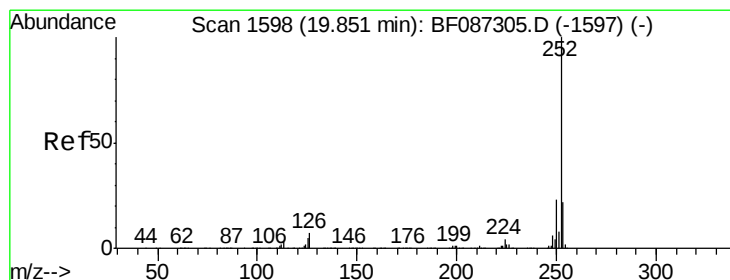
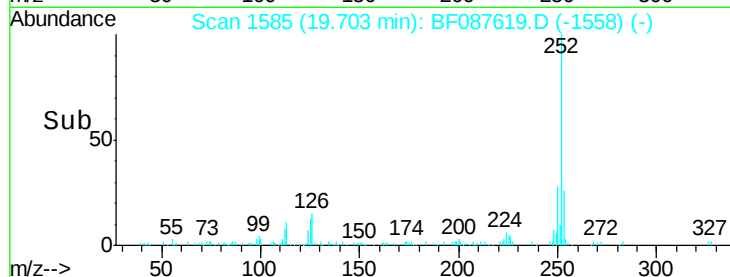
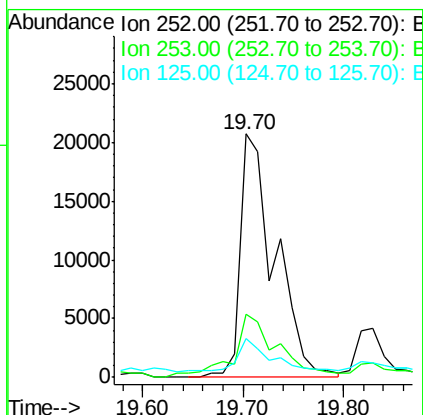
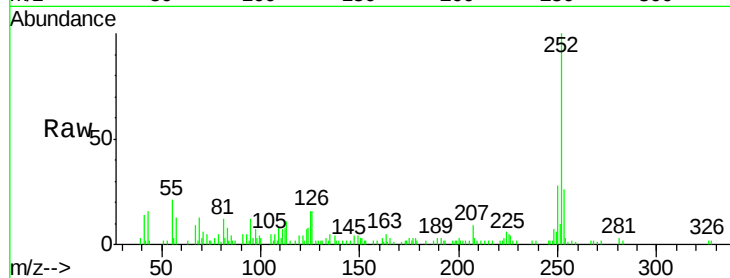
Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Instrument :
BNA_F
ClientSampled :
B-1RE

Tgt Ion:252 Resp: 49574

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.6
125	16.0	11.4	17.0



#88

Benzo(k)fluoranthene

Concen: 3.82 ng

RT: 19.70 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF087619.D

Acq: 1 Jun 2016 12:52

Tgt Ion:252 Resp: 49574

Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.6
125	16.0	9.1	13.7#

