

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
 Data File : BF100049.D
 Acq On : 1 Nov 2017 17:48
 Operator : SJ/JU
 Sample : I6206-05 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 18:44:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 01 18:13:08 2017
 Response via : Initial Calibration

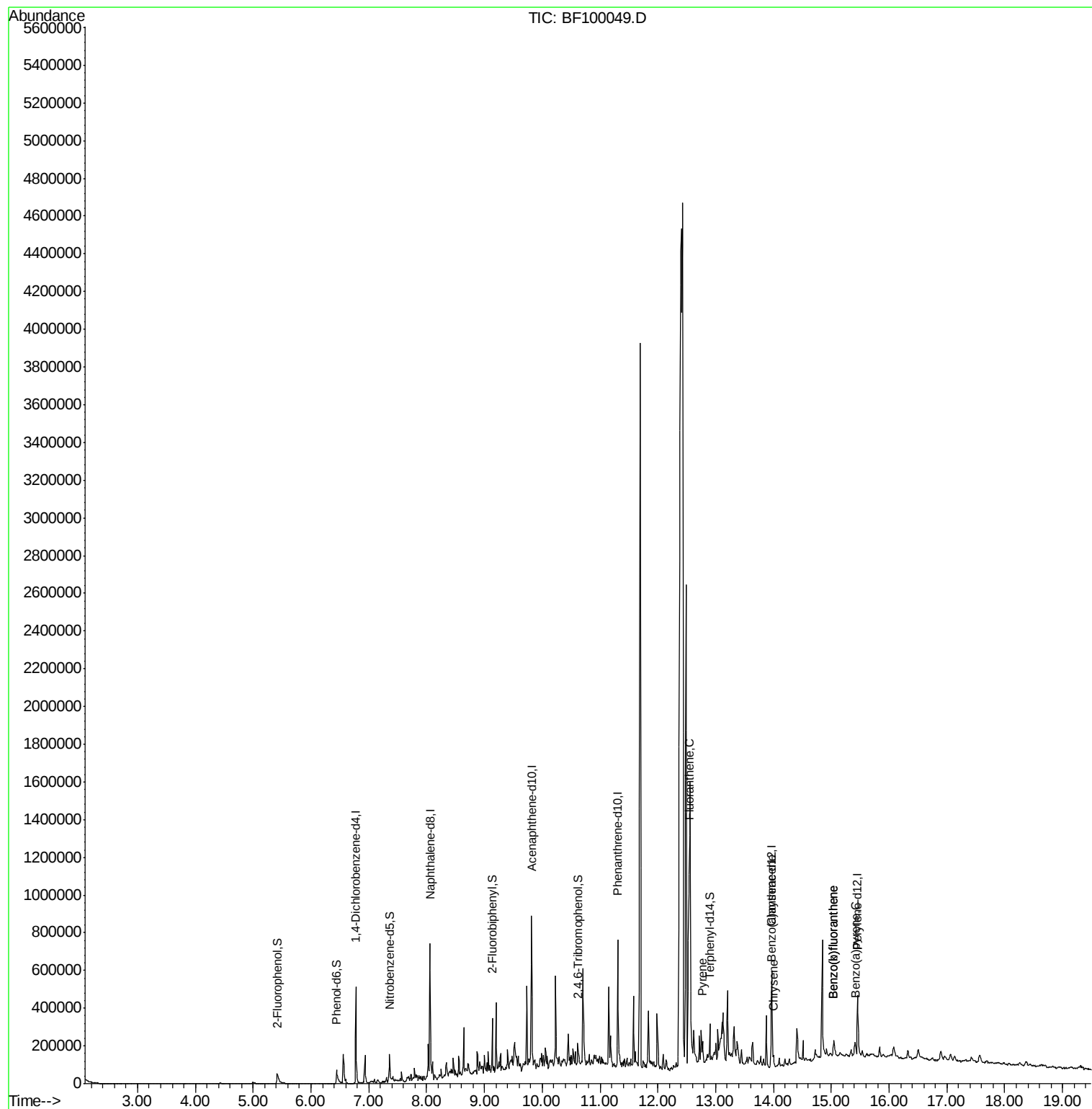
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	86640	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	343597	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	149876	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	236490	20.00	ng	0.00
75) Chrysene-d12	13.97	240	155538	20.00	ng	0.00
86) Perylene-d12	15.46	264	155159	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	52329	9.48	ng	0.02
7) Phenol-d6	6.44	99	68579	10.48	ng	0.01
23) Nitrobenzene-d5	7.36	82	41493	7.77	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	13725	10.05	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	87713	9.03	ng	0.00
78) Terphenyl-d14	12.90	244	58182	8.17	ng	0.00
Target Compounds						Qvalue
74) Fluoranthene	12.54	202	35687	2.573	ng	93
77) Pyrene	12.77	202	39266	3.320	ng	97
80) Benzo(a)anthracene	13.96	228	23242	2.357	ng	95
82) Chrysene	14.00	228	22650	2.443	ng	98
87) Benzo(b)fluoranthene	15.03	252	41468	4.232	ng	# 90
88) Benzo(k)fluoranthene	15.03	252	41468	4.488	ng	# 92
89) Benzo(a)pyrene	15.40	252	21191	2.408	ng	# 91

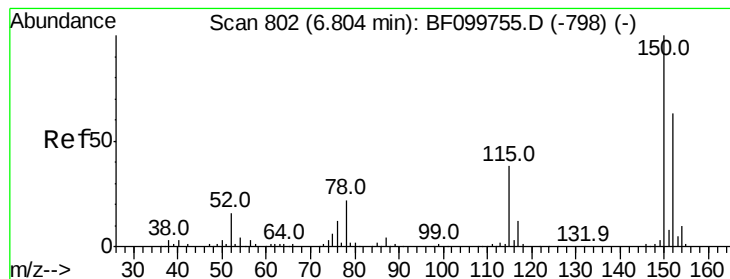
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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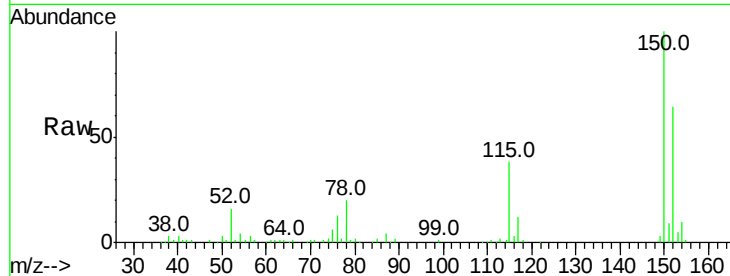


#1

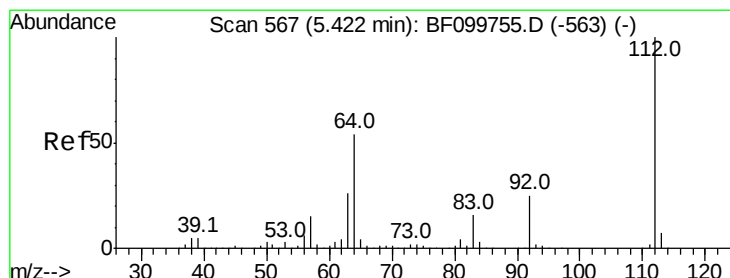
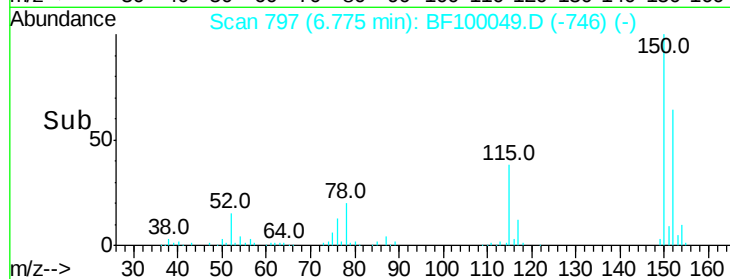
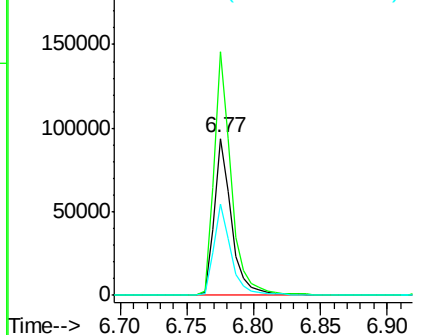
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. 0.00 min
 Lab File: BF100049.D
 Acq: 1 Nov 2017 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 86640
 Ion Ratio Lower Upper
 152 100
 150 155.2 124.6 186.8
 115 58.4 50.1 75.1



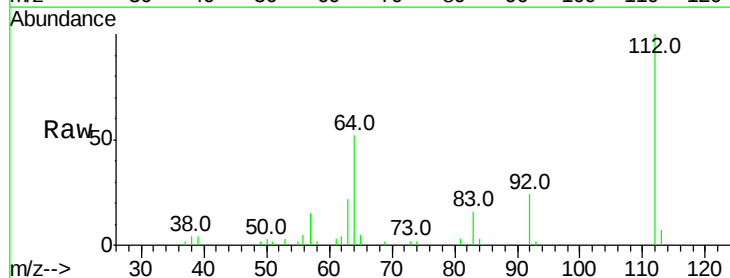
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



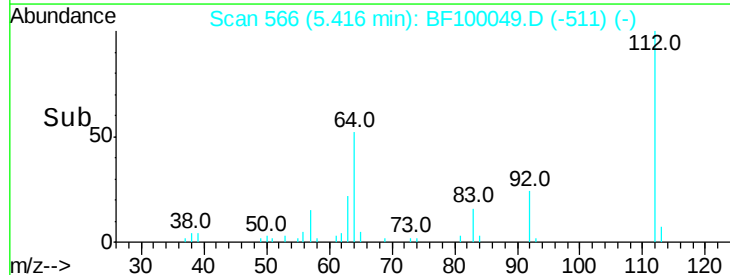
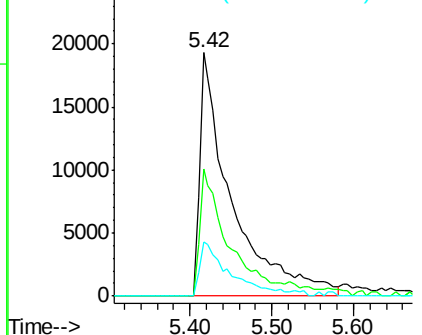
#5

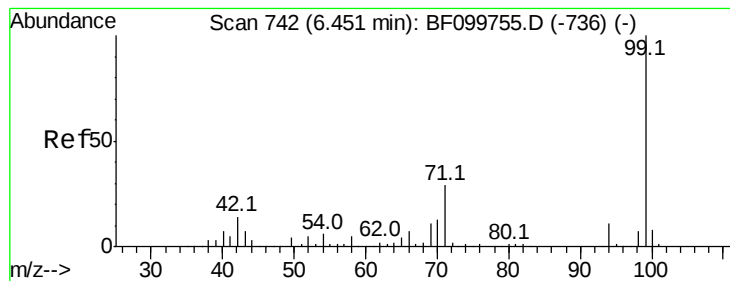
2-Fluorophenol
 Concen: 9.482 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.02 min
 Lab File: BF100049.D
 Acq: 1 Nov 2017 17:48

Tgt Ion:112 Resp: 52329
 Ion Ratio Lower Upper
 112 100
 64 52.4 47.9 71.9
 63 22.2 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 10.480 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

Instrument :

BNA_F

ClientSampleId :

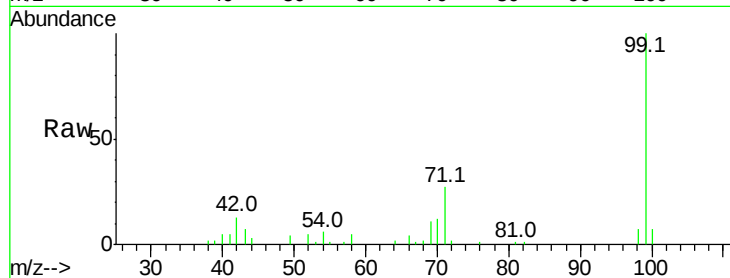
Tot Ion: 99 Resp: 68579

Ion Ratio Lower Upper

99 100

42 13.0 14.5 21.7#

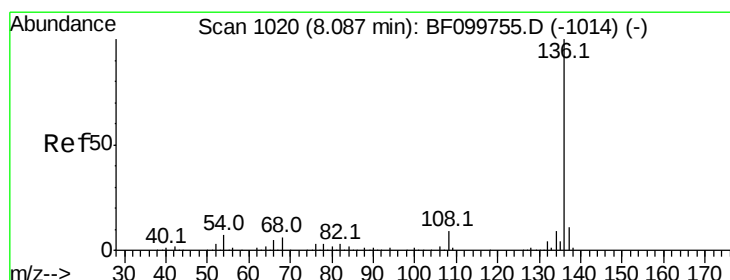
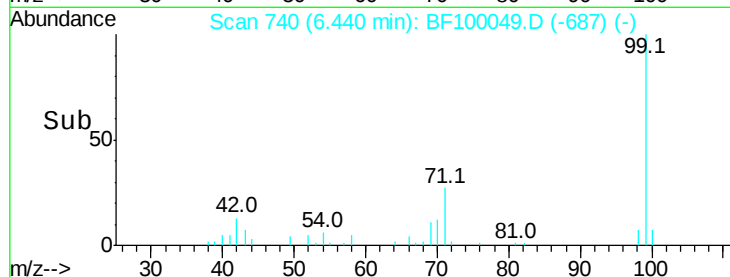
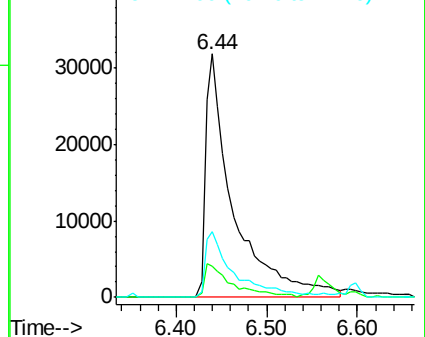
71 27.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

Tgt Ion: 136 Resp: 343597

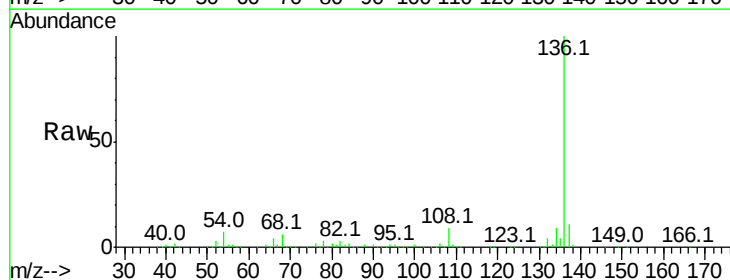
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.9 6.6 9.8

68 6.0 5.0 7.4

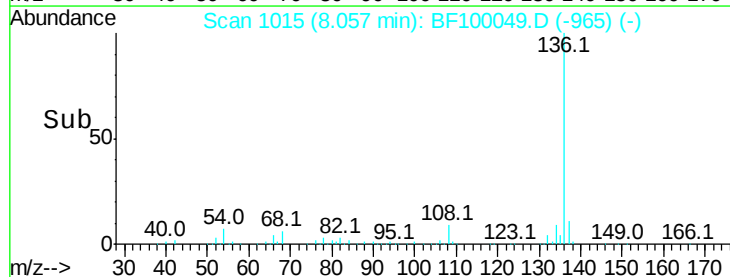
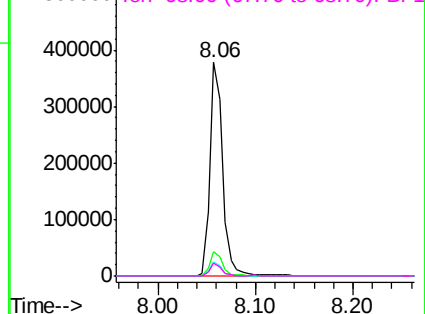


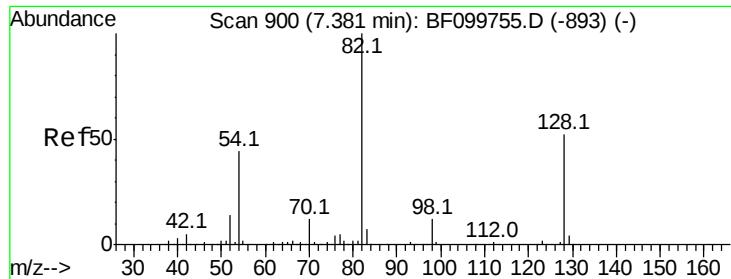
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

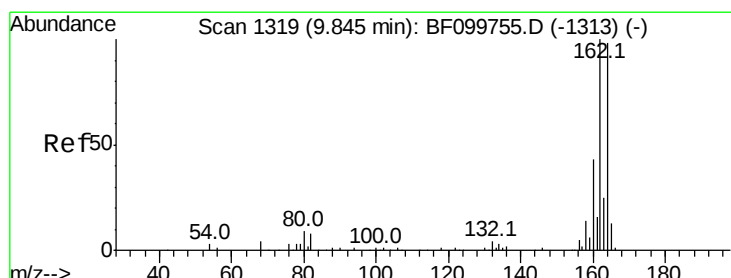
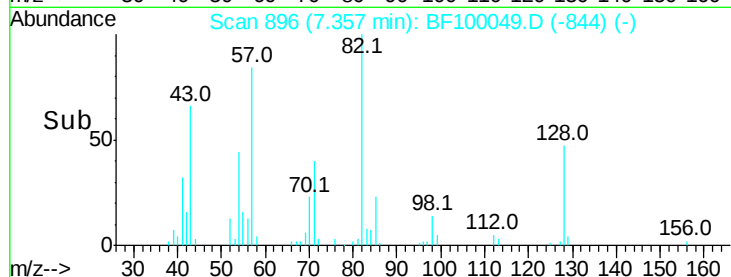
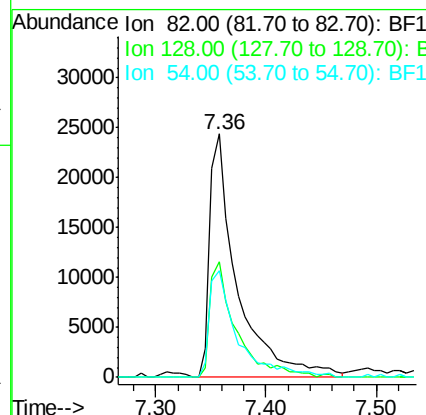
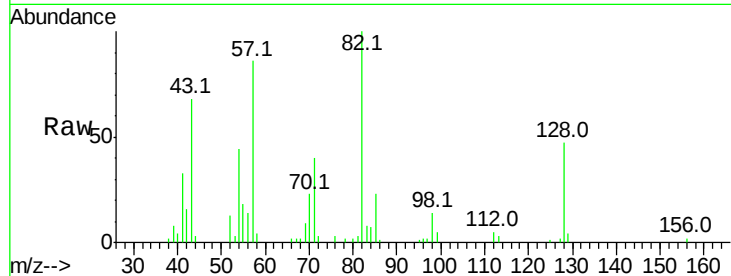




#23
Nitrobenzene-d5
Concen: 7.775 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.01 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

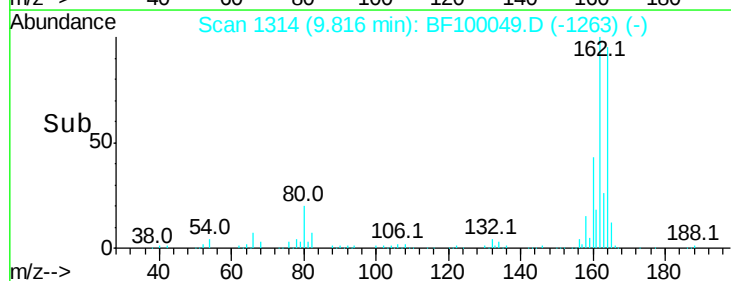
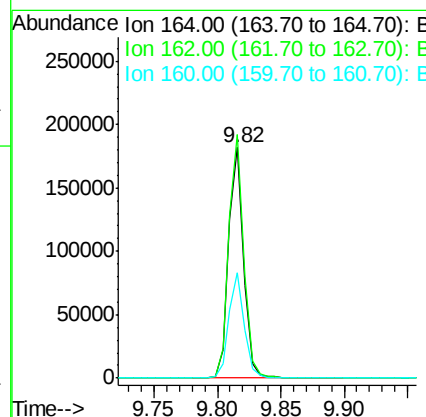
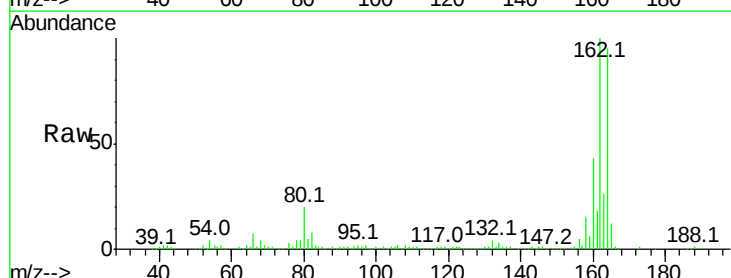
Instrument :
BNA_F
ClientSampleId :

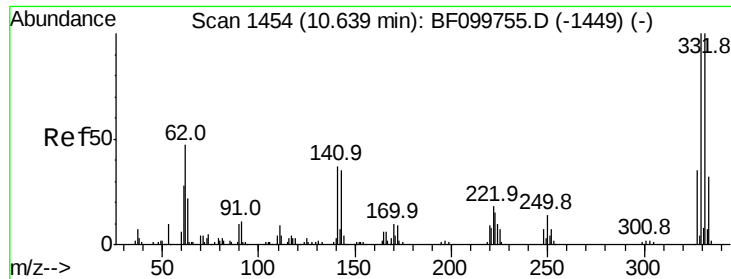
Tot Ion: 82 Resp: 41493
Ion Ratio Lower Upper
82 100
128 47.3 36.1 54.1
54 43.7 41.4 62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

Tgt Ion:164 Resp: 149876
Ion Ratio Lower Upper
164 100
162 105.6 86.1 129.1
160 45.8 38.3 57.5

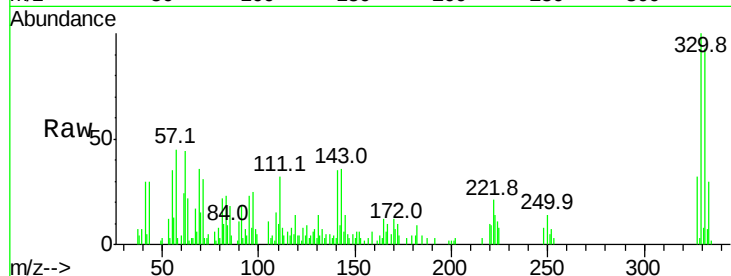




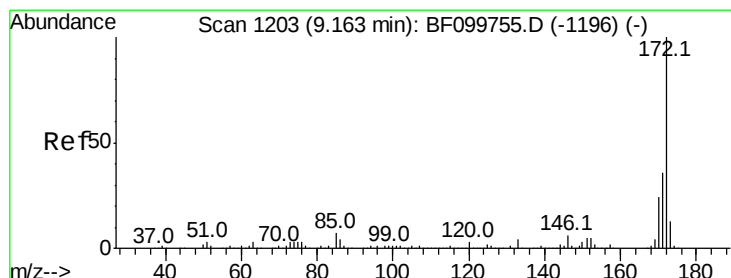
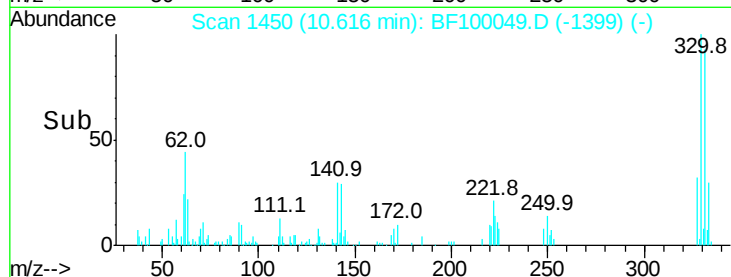
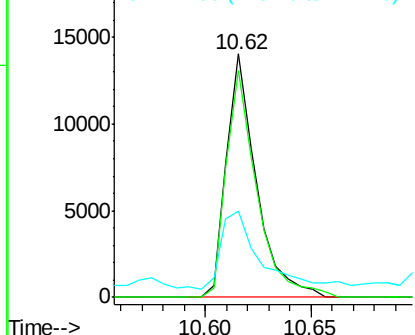
#41
 2,4,6-Tribromophenol
 Concen: 10.049 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.00 min
 Lab File: BF100049.D
 Acq: 1 Nov 2017 17:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 13725
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 40.3 29.9 44.9

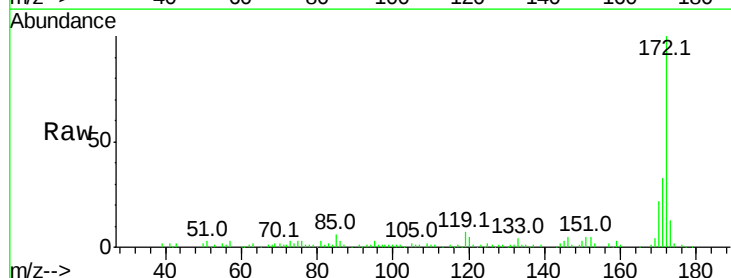


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

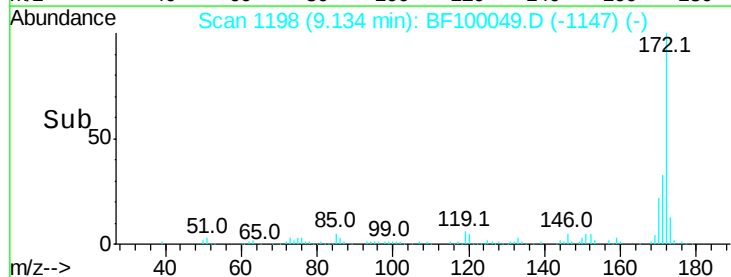
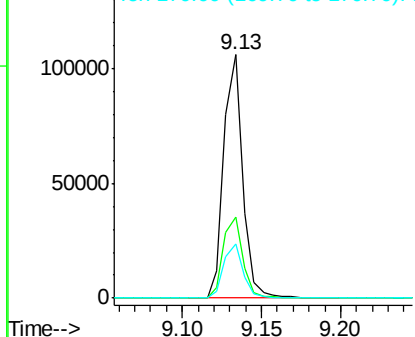


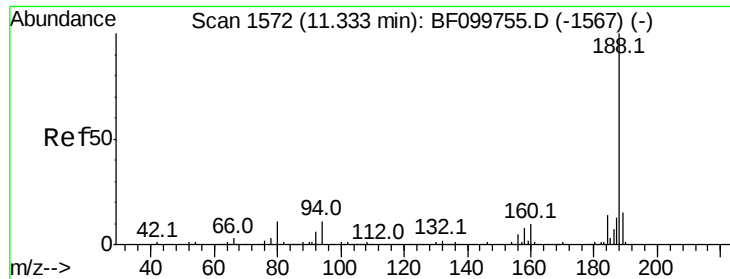
#44
 2-Fluorobiphenyl
 Concen: 9.029 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF100049.D
 Acq: 1 Nov 2017 17:48

Tgt Ion:172 Resp: 87713
 Ion Ratio Lower Upper
 172 100
 171 33.2 29.7 44.5
 170 22.2 19.6 29.4



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

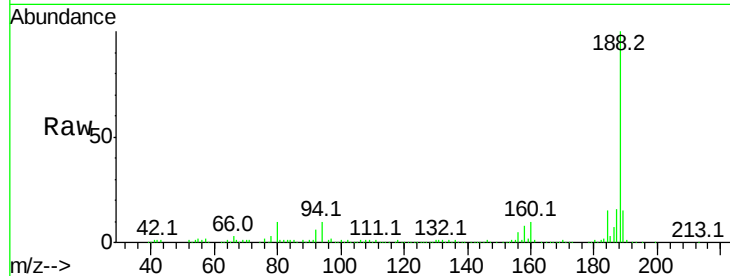




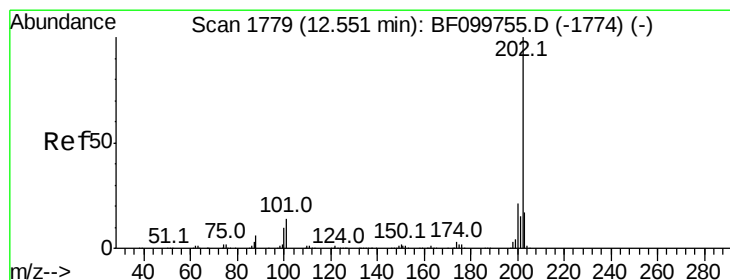
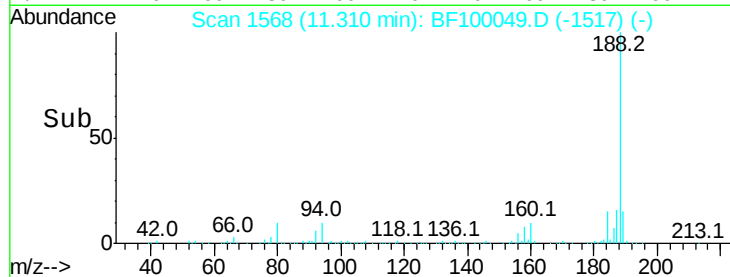
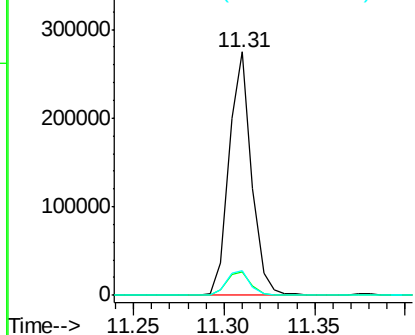
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 236490
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.0 9.2 13.8

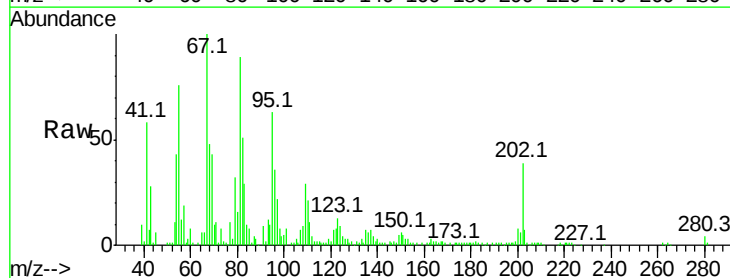


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

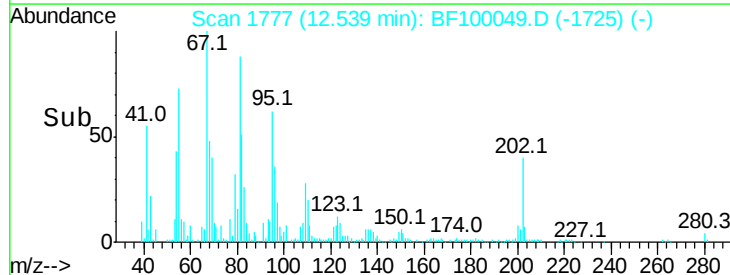
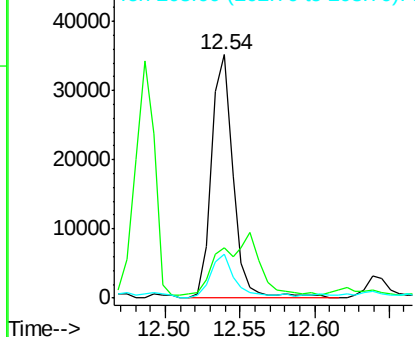


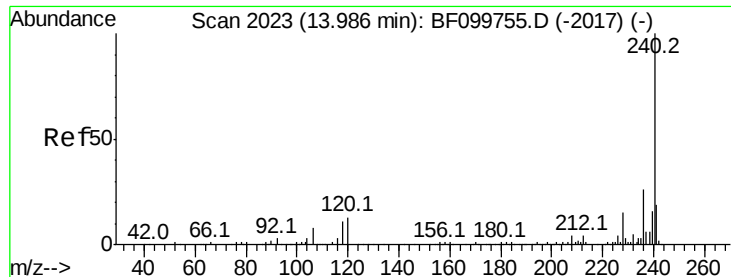
#74
Fluoranthene
Concen: 2.573 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.01 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

Tgt Ion:202 Resp: 35687
Ion Ratio Lower Upper
202 100
101 20.5 0.0 34.1
203 18.3 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: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

Instrument :

BNA_F

ClientSampleId :

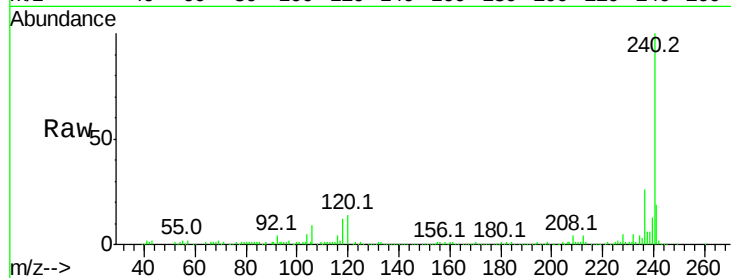
Tot Ion:240 Resp: 155538

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

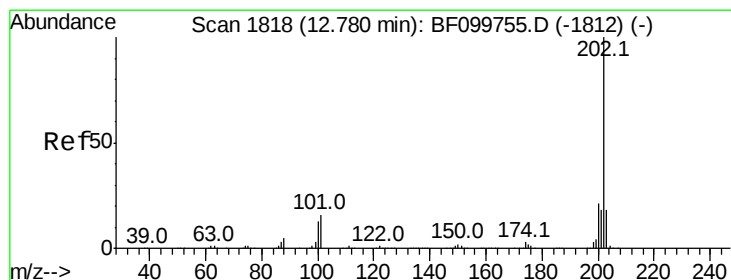
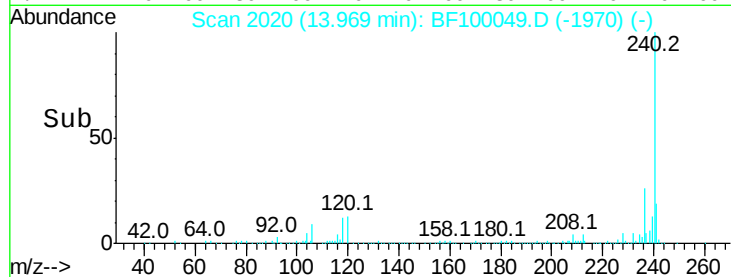
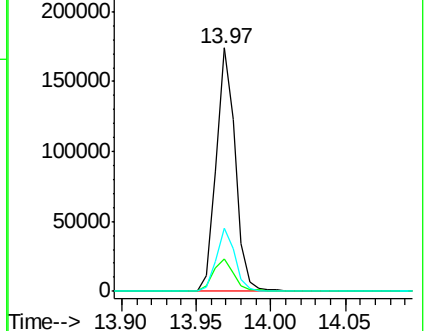
236 26.0 20.7 31.1



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: 3.320 ng

RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

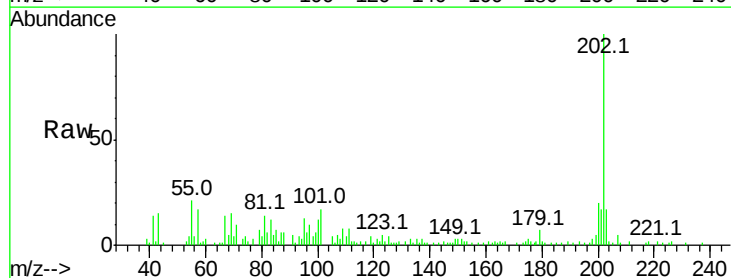
Tgt Ion:202 Resp: 39266

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

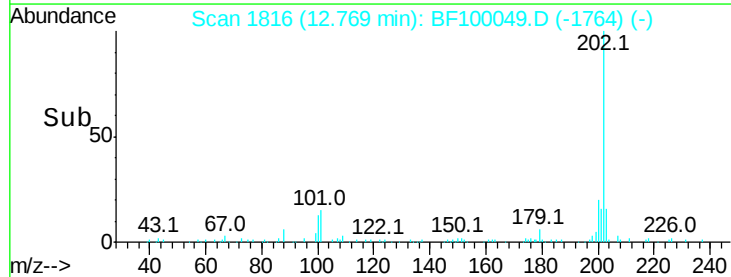
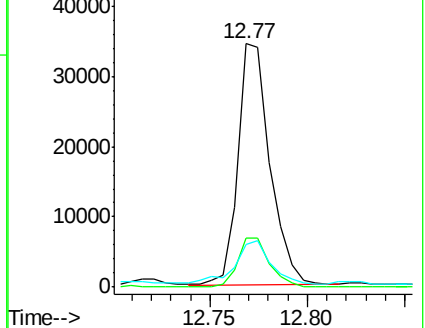
203 17.3 14.3 21.5

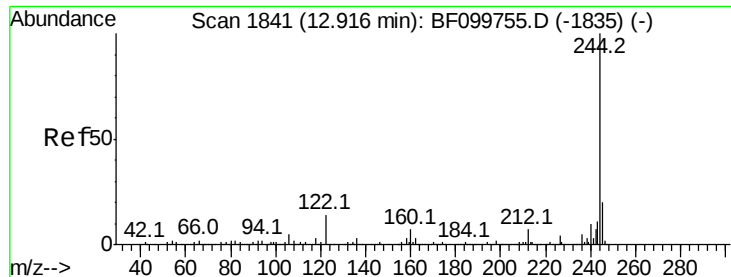


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.175 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

Instrument :

BNA_F

ClientSampleId :

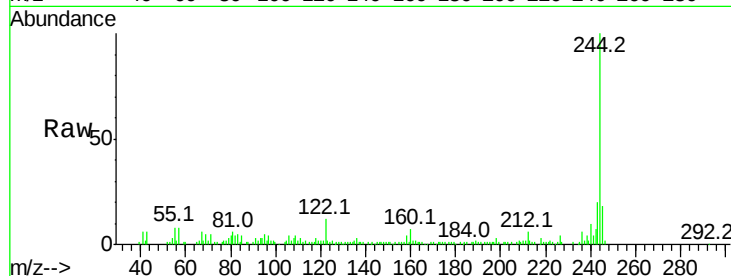
Tot Ion:244 Resp: 58182

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

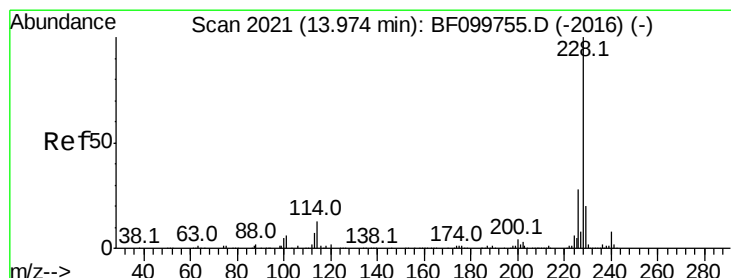
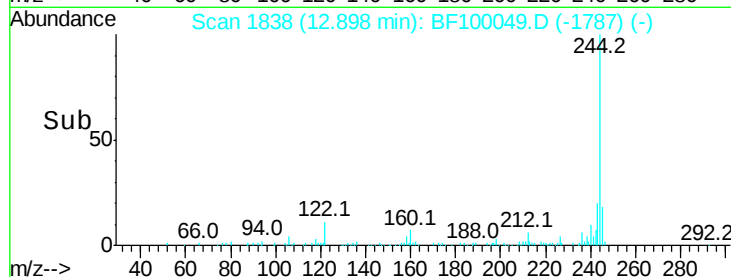
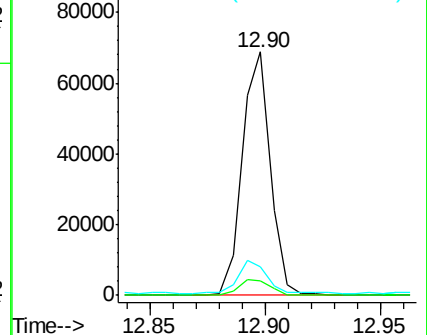
122 11.8 11.0 16.4



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: 2.357 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

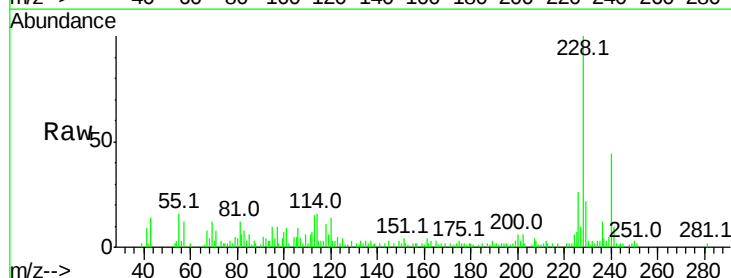
Tgt Ion:228 Resp: 23242

Ion Ratio Lower Upper

228 100

226 26.1 22.6 33.8

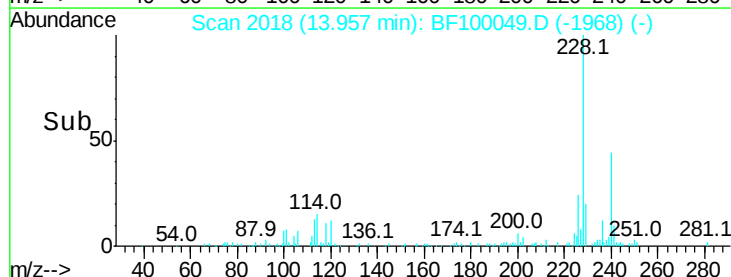
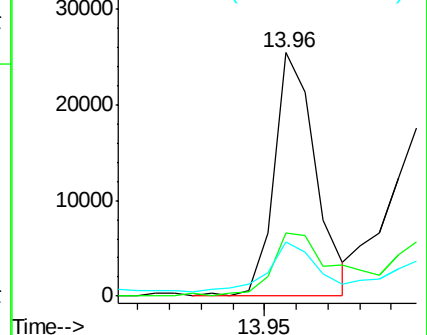
229 22.5 15.8 23.6

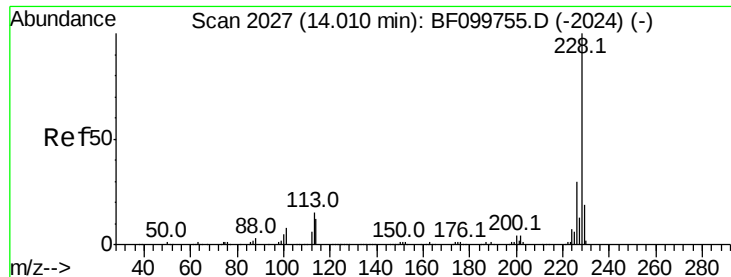


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

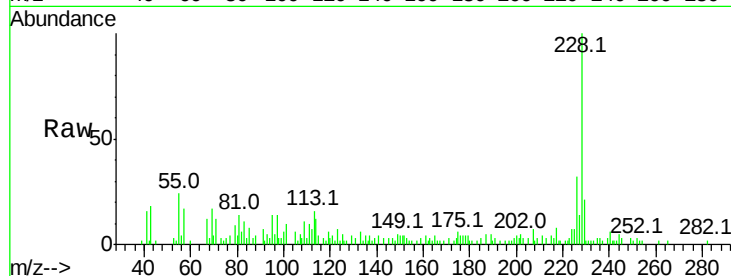




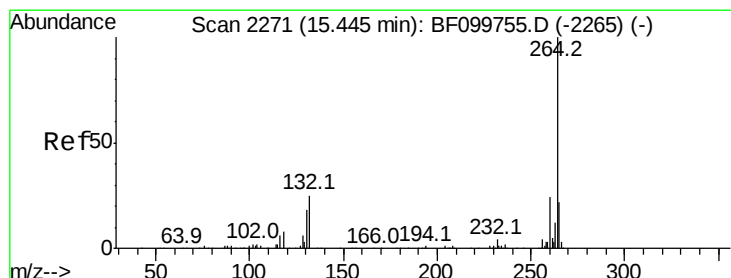
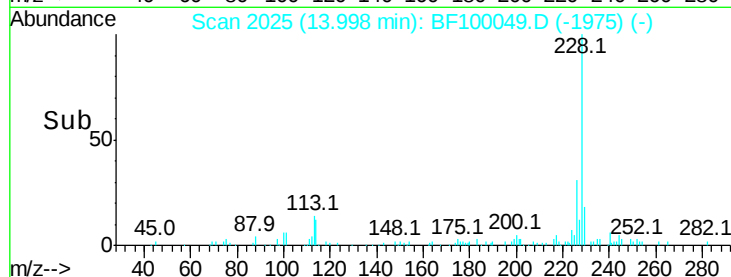
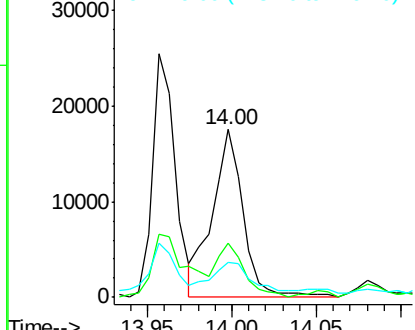
#82
Chrysene
Concen: 2.443 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 22650
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 21.2 16.2 24.4

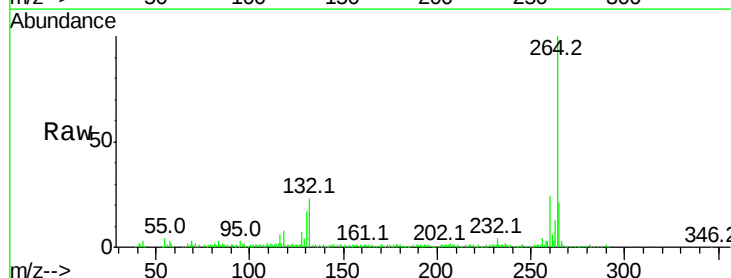


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

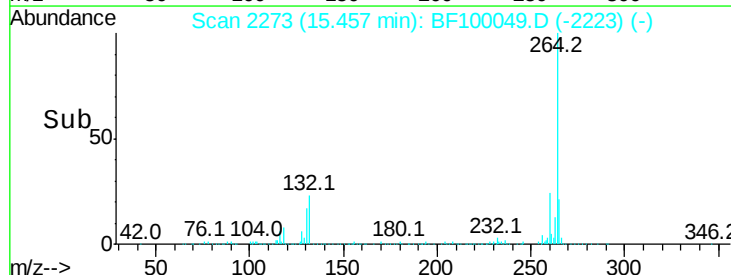
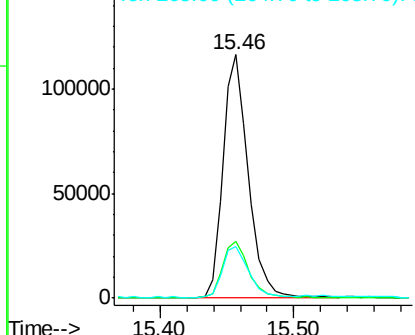


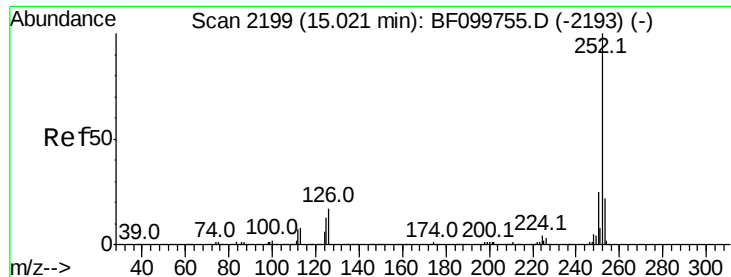
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

Tgt Ion:264 Resp: 155159
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.3 17.5 26.3



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

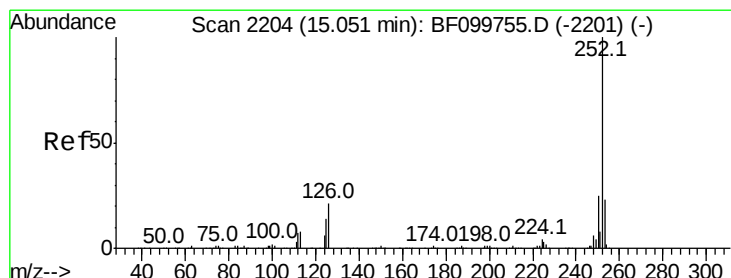
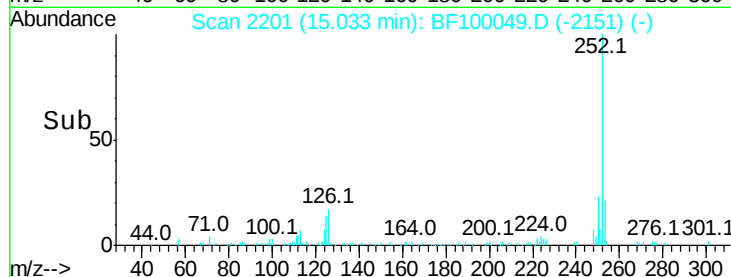
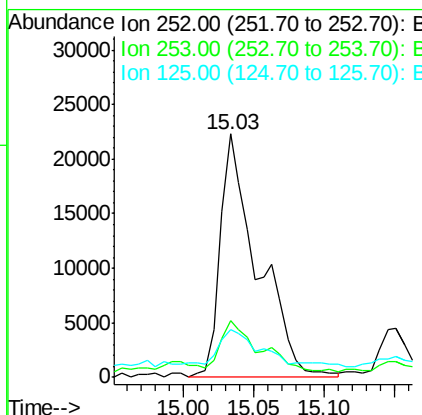
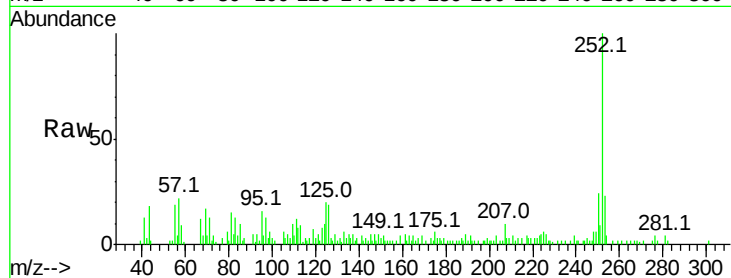




#87
Benzo(b)fluoranthene
Concen: 4.232 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

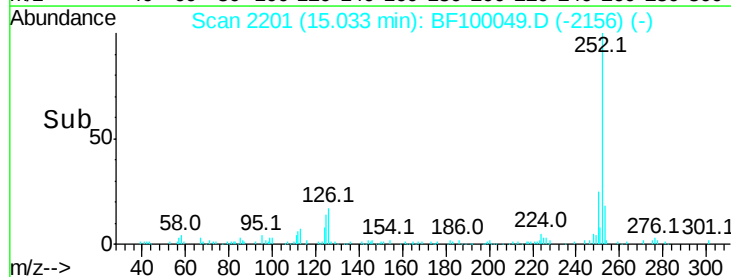
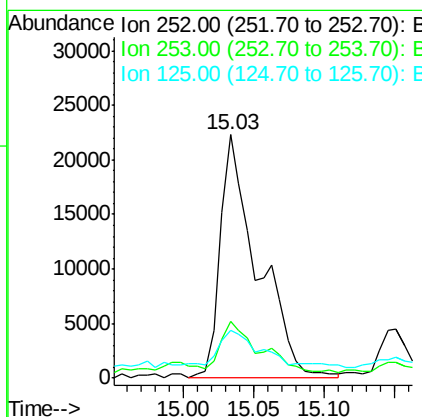
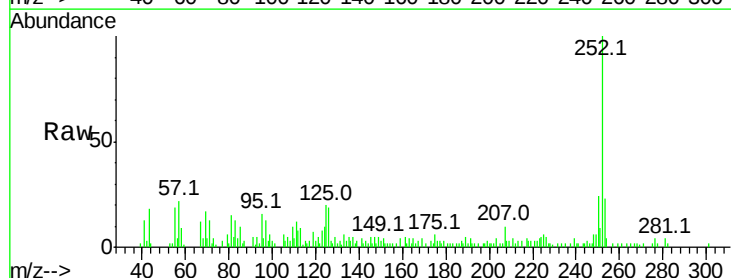
Instrument :
BNA_F
ClientSampleId :

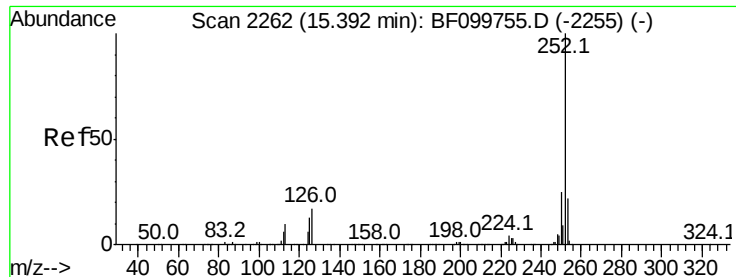
Tot Ion:252 Resp: 41468
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 19.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.488 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF100049.D
Acq: 1 Nov 2017 17:48

Tgt Ion:252 Resp: 41468
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 19.5 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.408 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.01 min

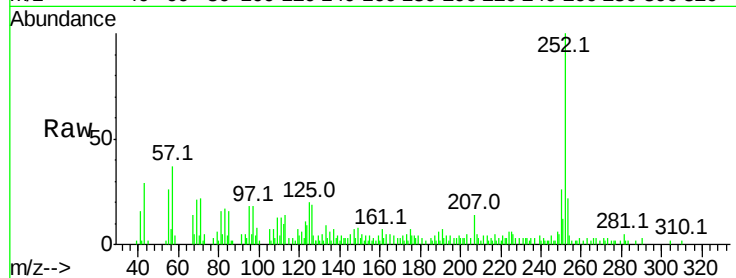
Lab File: BF100049.D

Acq: 1 Nov 2017 17:48

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	21191
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	20.1	9.8	14.6

