

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099321.D
 Acq On : 11 Oct 2017 1:09
 Operator : SJ/JU
 Sample : I5745-07 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 02:12:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

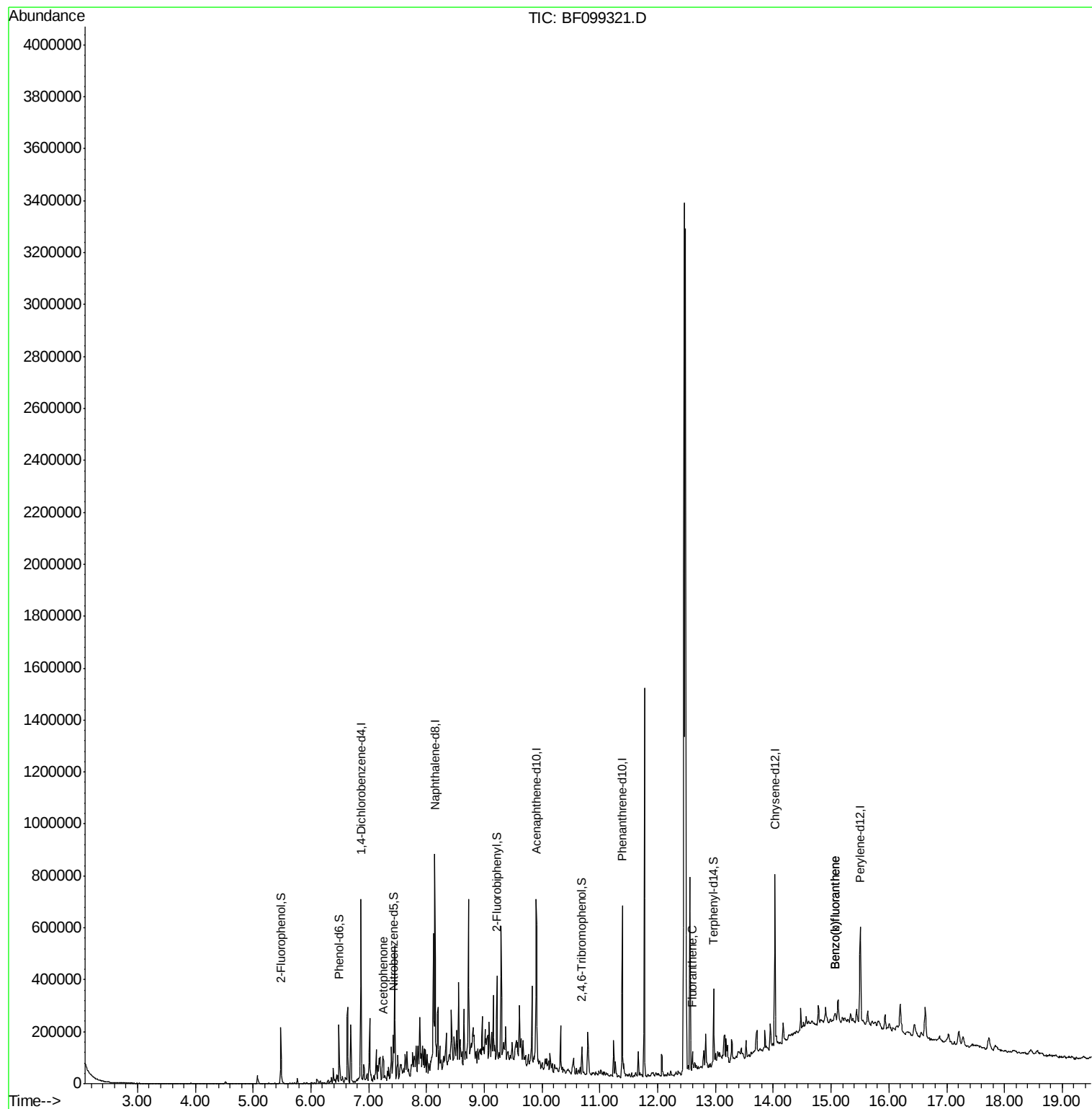
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	90006	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	341992	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	127855	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	211441	20.00	ng	0.00
75) Chrysene-d12	14.03	240	204886	20.00	ng	0.00
86) Perylene-d12	15.50	264	141501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	75457	13.35	ng	0.00
7) Phenol-d6	6.49	99	87303	12.52	ng	-0.01
23) Nitrobenzene-d5	7.42	82	47856	8.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	11739	11.22	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	90981	11.88	ng	-0.01
78) Terphenyl-d14	12.97	244	80780	8.97	ng	0.00
Target Compounds						
22) Acetophenone	7.25	105	17047	2.06	ng	# 59
74) Fluoranthene	12.60	202	23957	2.09	ng	97
87) Benzo(b)fluoranthene	15.07	252	18519	2.13	ng	# 59
88) Benzo(k)fluoranthene	15.07	252	18519	2.16	ng	# 62

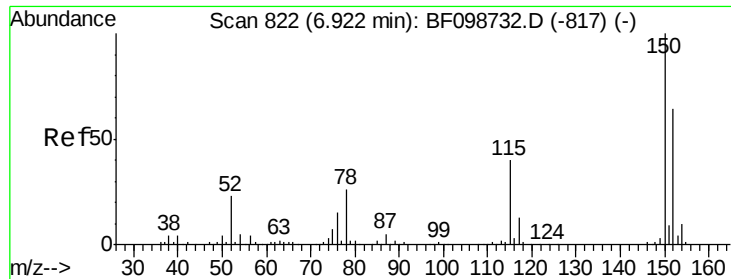
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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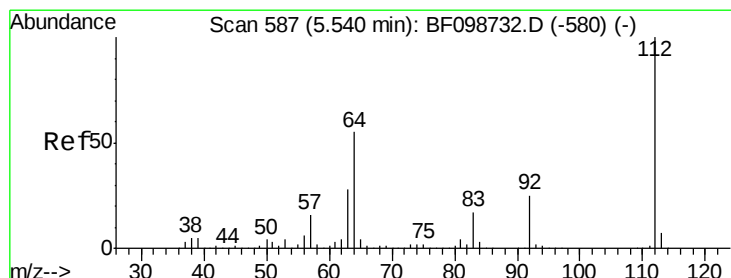
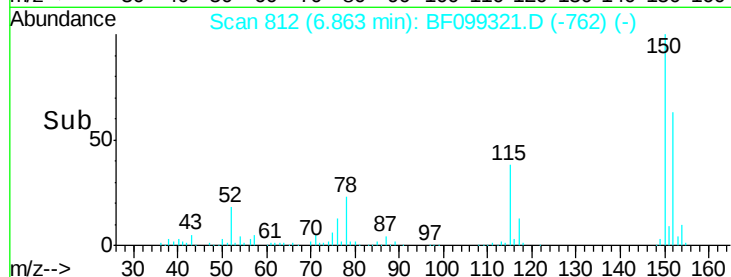
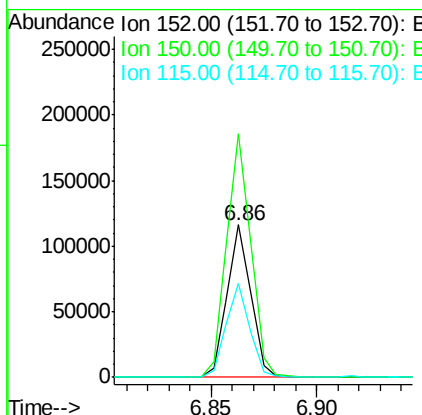
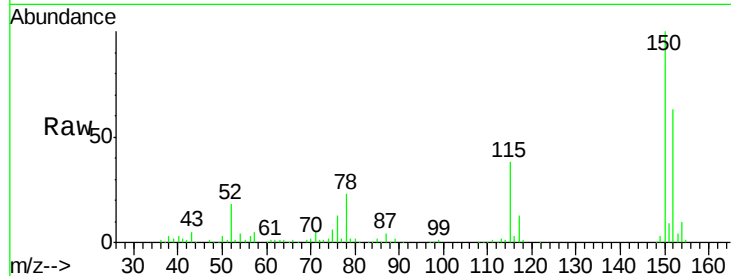


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099321.D
 Acq: 11 Oct 2017 1:09

Instrument :
 BNA_F
 ClientSampleId :

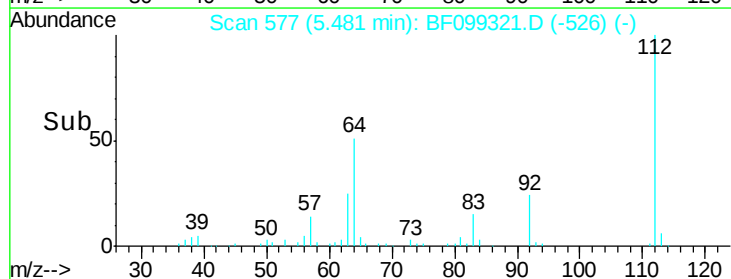
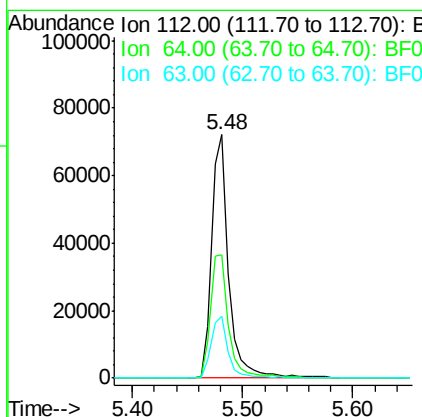
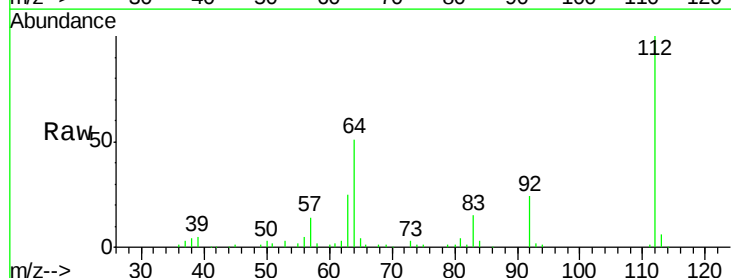
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	61.6	50.1	75.1



#5

2-Fluorophenol
 Concen: 13.35 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: BF099321.D
 Acq: 11 Oct 2017 1:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	47.9	71.9
63	25.3	23.7	35.5





#7

Phenol-d6

Concen: 12.52 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

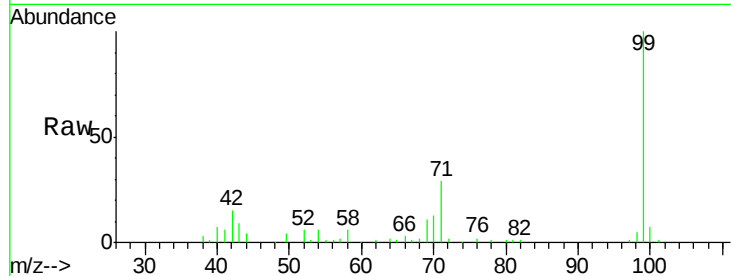
Tot Ion: 99 Resp: 87303

Ion Ratio Lower Upper

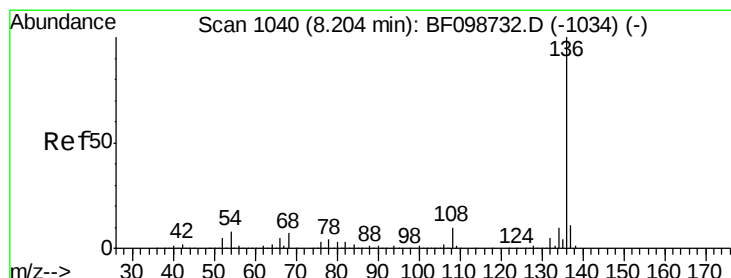
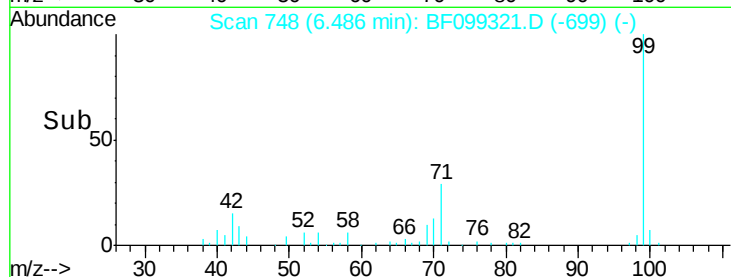
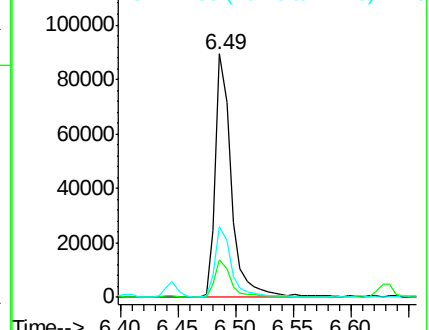
99 100

42 15.4 14.5 21.7

71 29.0 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

Tgt Ion: 136 Resp: 341992

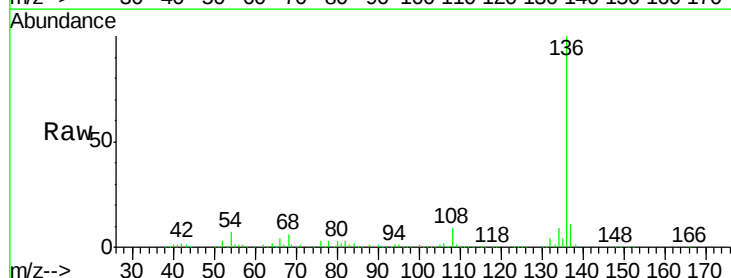
Ion Ratio Lower Upper

136 100

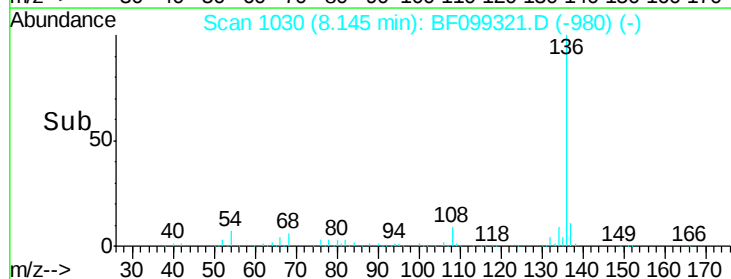
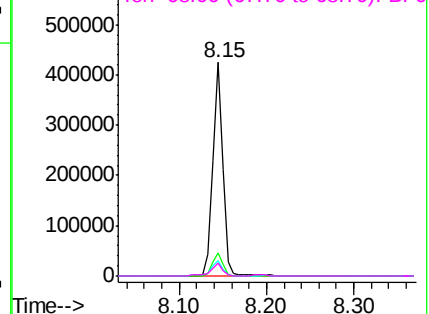
137 11.1 8.9 13.3

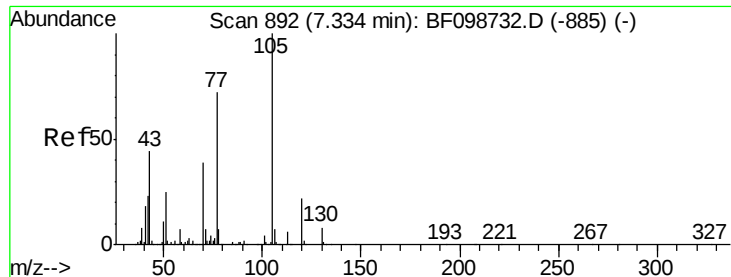
54 7.0 6.6 9.8

68 5.7 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): BF0
Ion 68.00 (67.70 to 68.70): BF0

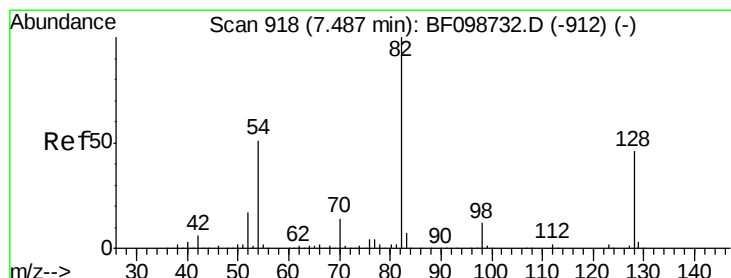
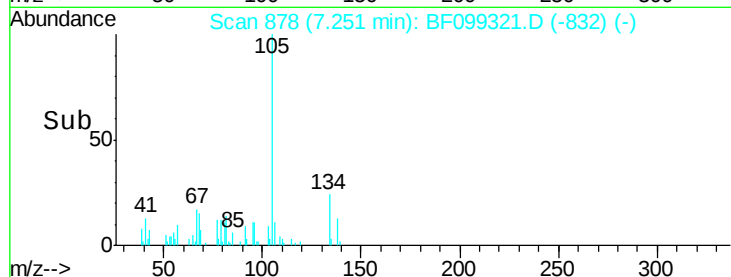
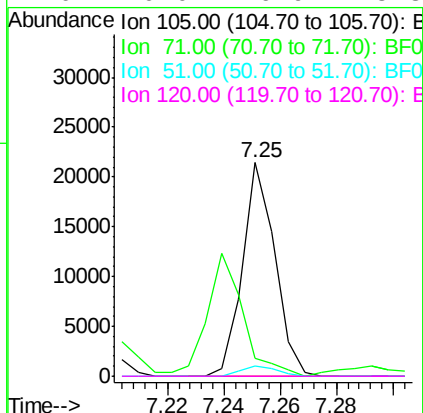
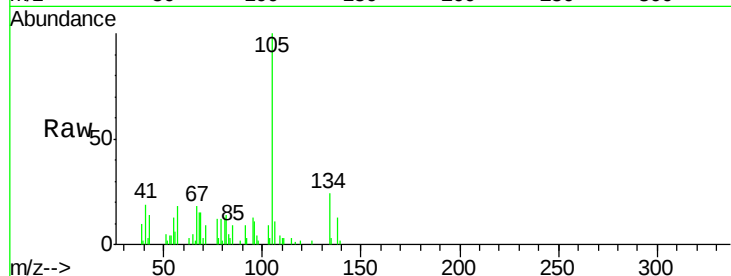




#22
Acetophenone
Concen: 2.06 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.03 min
Lab File: BF099321.D
Acq: 11 Oct 2017 1:09

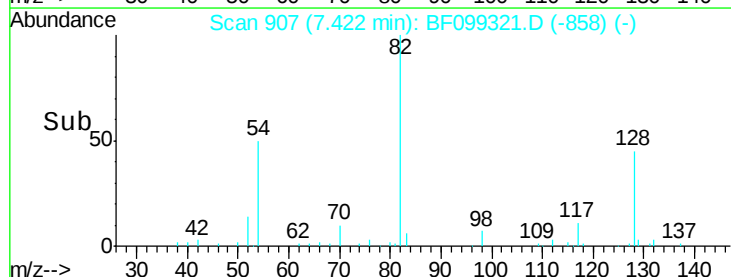
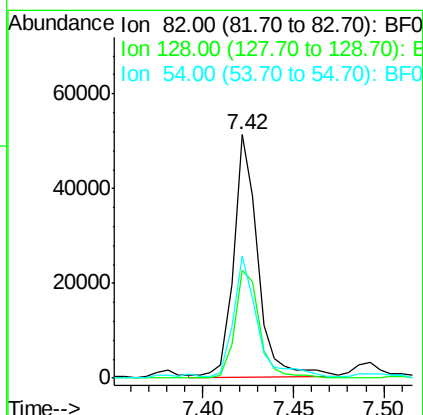
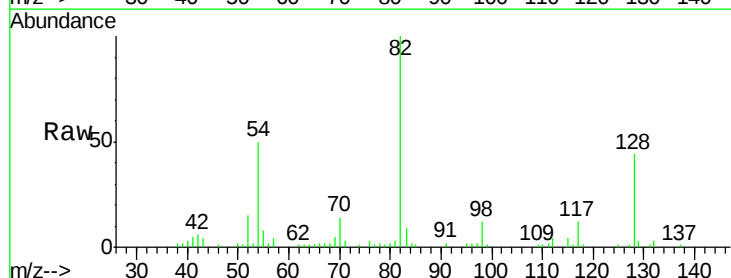
Instrument :
BNA_F
ClientSampleId :

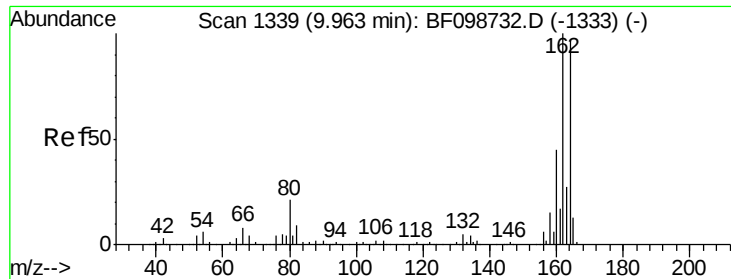
Tot Ion:	105	Resp:	17047
Ion	Ratio	Lower	Upper
105	100		
71	8.6	4.4	6.6#
51	4.7	22.3	33.5#
120	0.0	16.9	25.3#



#23
Nitrobenzene-d5
Concen: 8.97 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099321.D
Acq: 11 Oct 2017 1:09

Tgt Ion:	82	Resp:	47856
Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	50.1	41.4	62.2

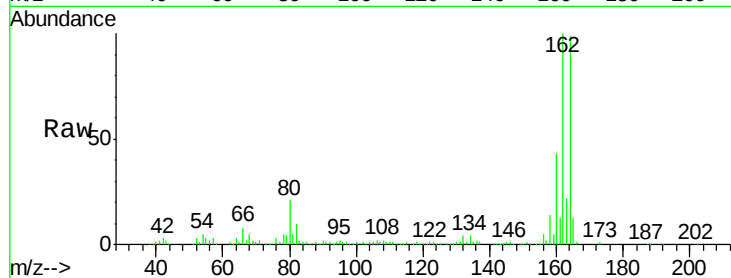




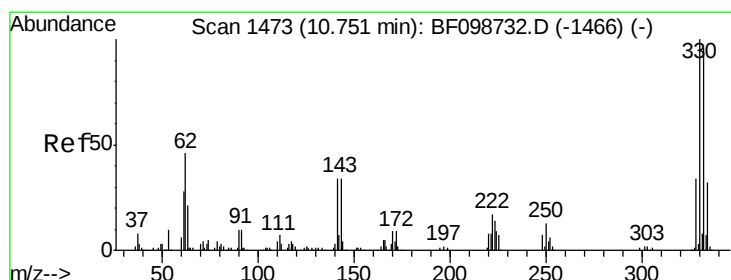
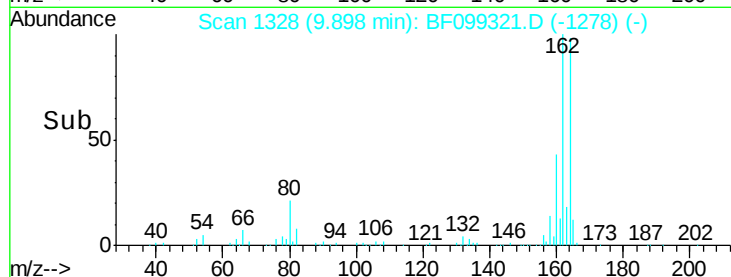
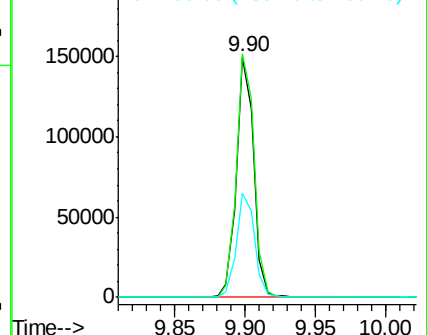
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099321.D
Acq: 11 Oct 2017 1:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 127855
Ion Ratio Lower Upper
164 100
162 101.3 86.1 129.1
160 43.3 38.3 57.5

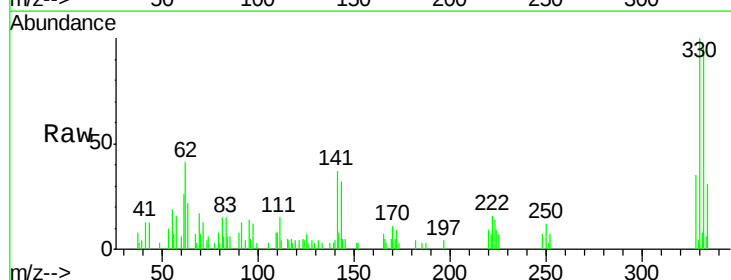


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

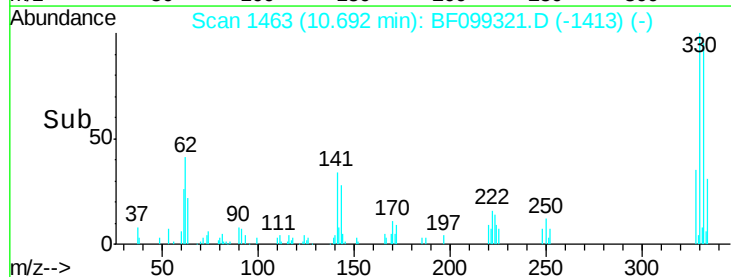
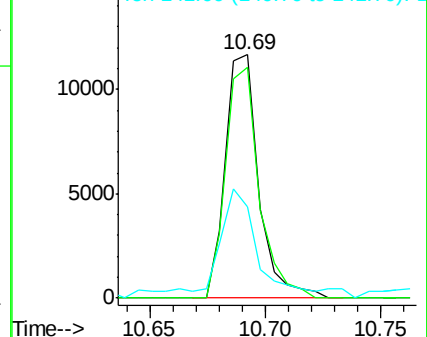


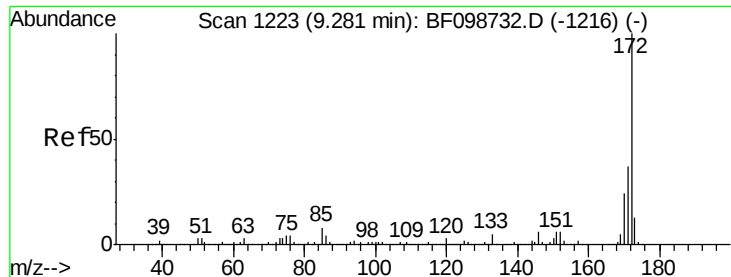
#41
2,4,6-Tribromophenol
Concen: 11.22 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BF099321.D
Acq: 11 Oct 2017 1:09

Tgt Ion:330 Resp: 11739
Ion Ratio Lower Upper
330 100
332 95.4 77.0 115.6
141 57.1 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: 11.88 ng

RT: 9.22 min Scan# 1212

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

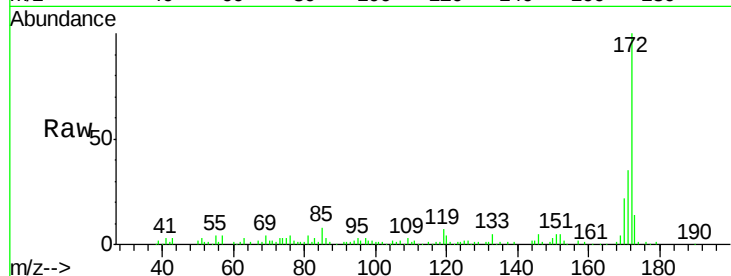
Tot Ion:172 Resp: 90981

Ion Ratio Lower Upper

172 100

171 35.4 29.7 44.5

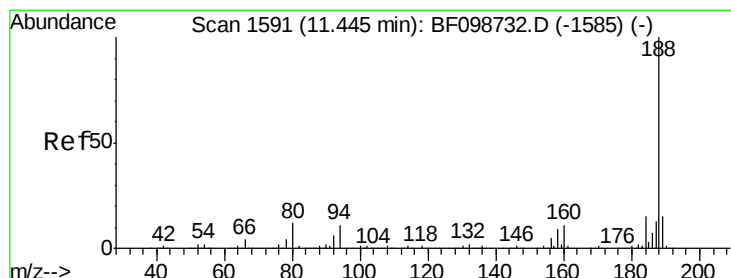
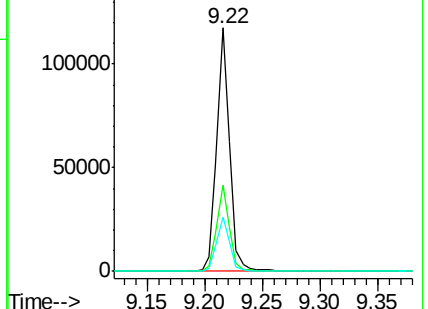
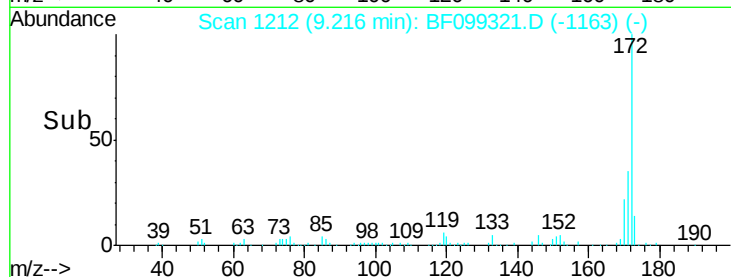
170 22.0 19.6 29.4



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: 20.00 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

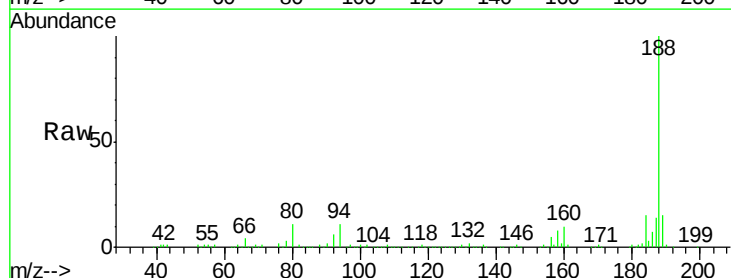
Tgt Ion:188 Resp: 211441

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

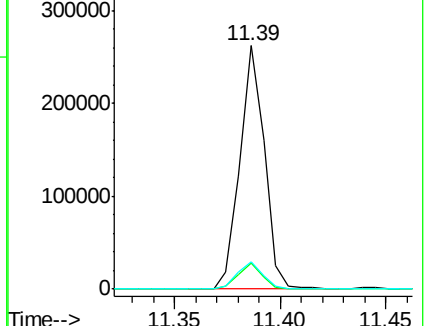
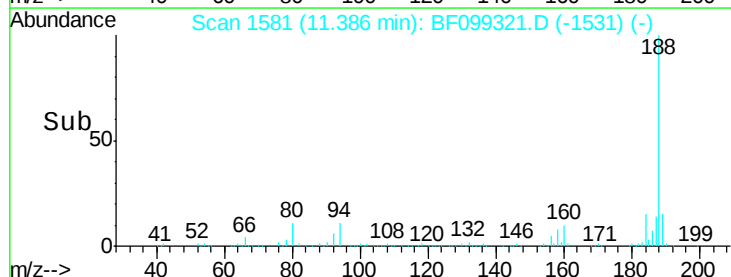
80 11.3 9.2 13.8

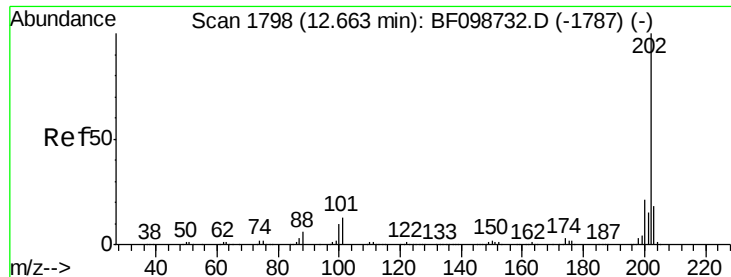


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.09 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.00 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

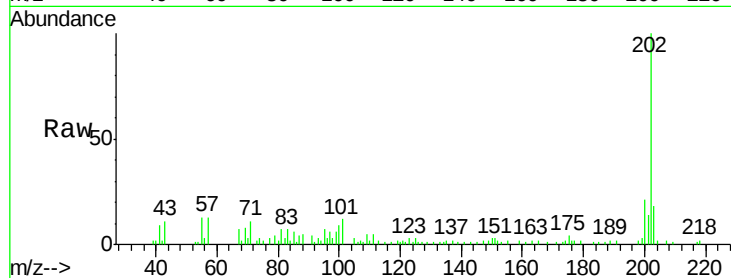
Tot Ion:202 Resp: 23957

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

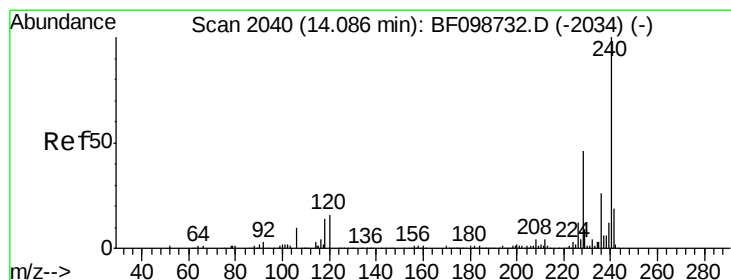
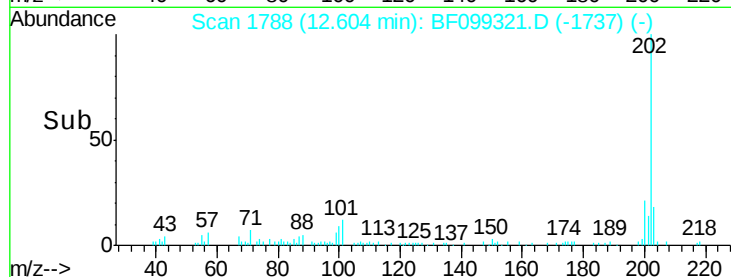
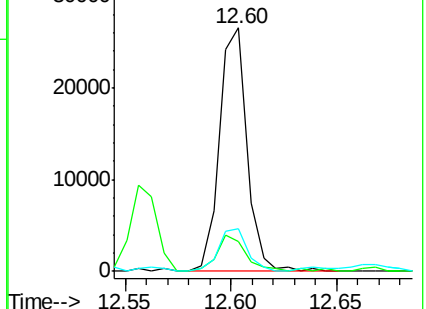
203 17.7 0.0 38.1



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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

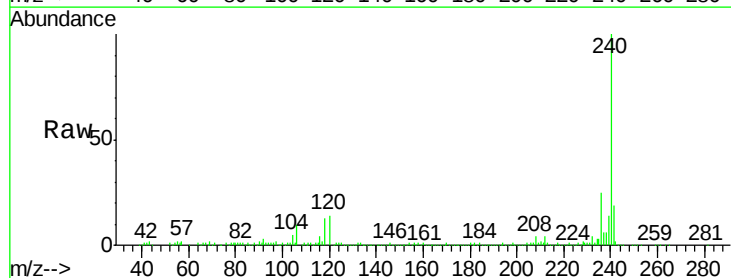
Tgt Ion:240 Resp: 204886

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

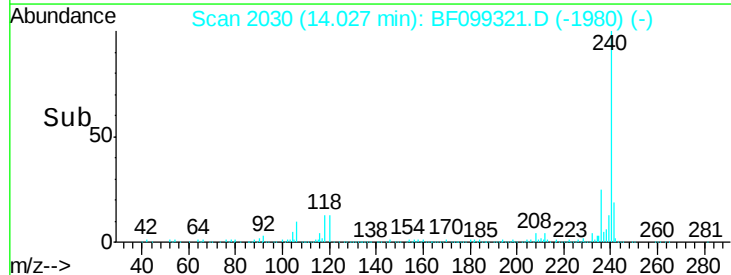
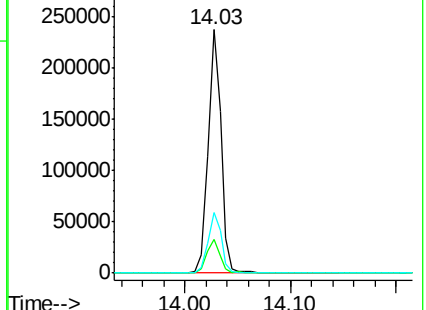
236 24.7 20.7 31.1

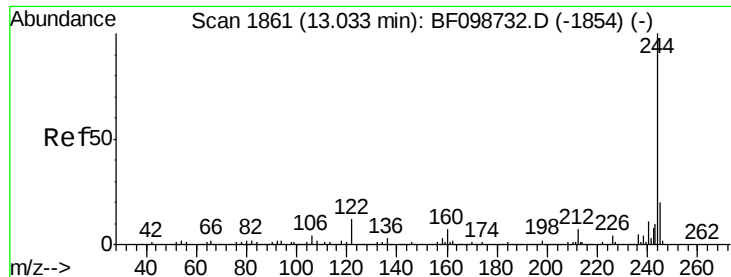


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 8.97 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

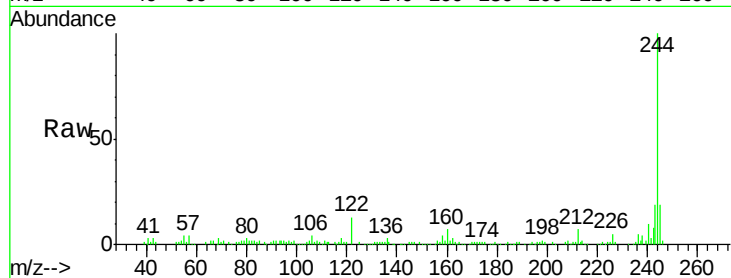
Tot Ion:244 Resp: 80780

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

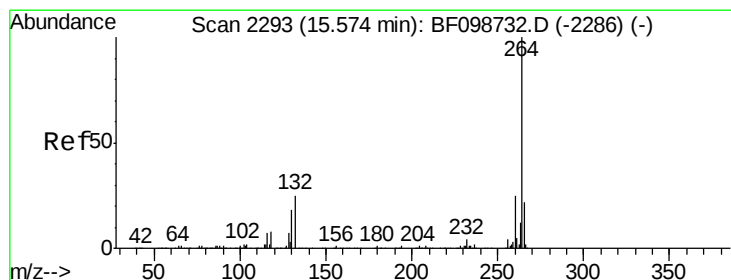
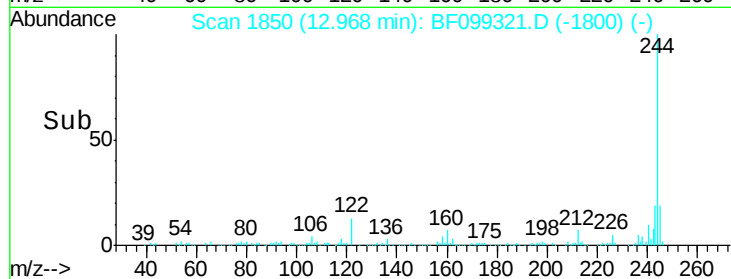
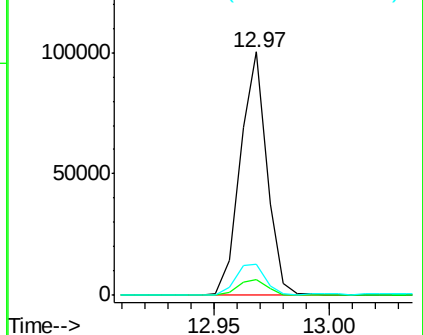
122 12.7 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

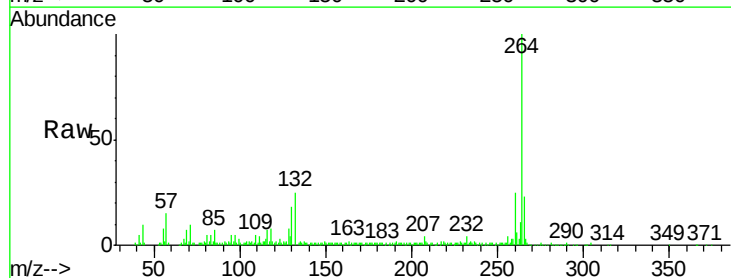
Tgt Ion:264 Resp: 141501

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

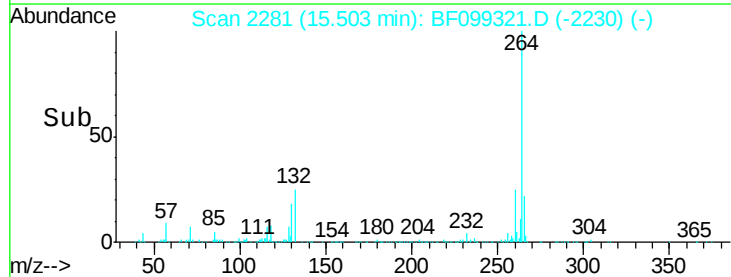
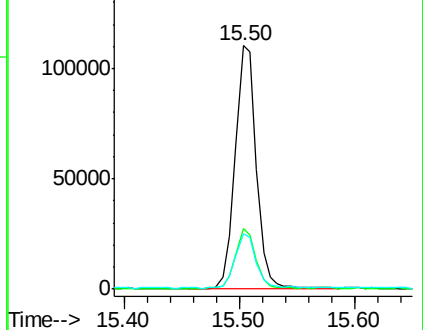
265 22.5 17.5 26.3

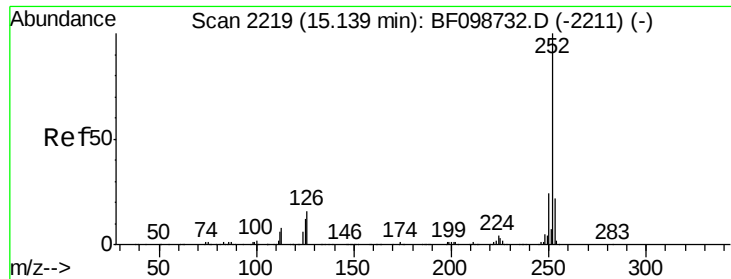


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.13 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

Instrument :

BNA_F

ClientSampleId :

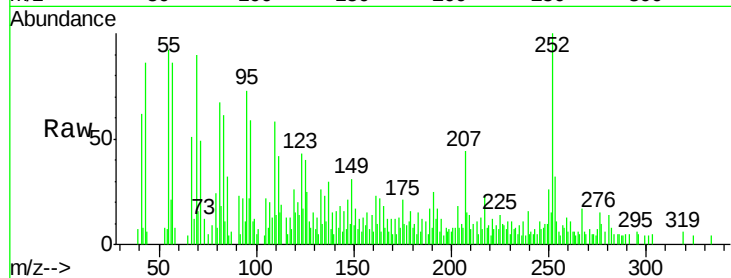
Tot Ion:252 Resp: 18519

Ion Ratio Lower Upper

252 100

253 32.4 17.0 25.6#

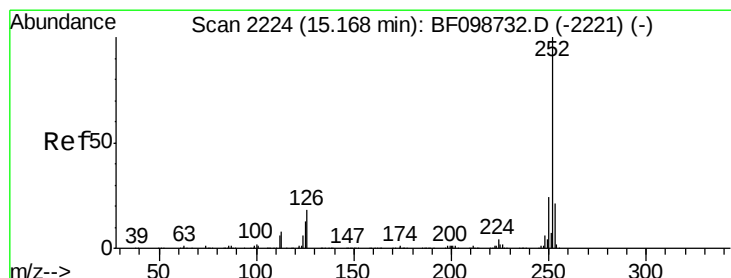
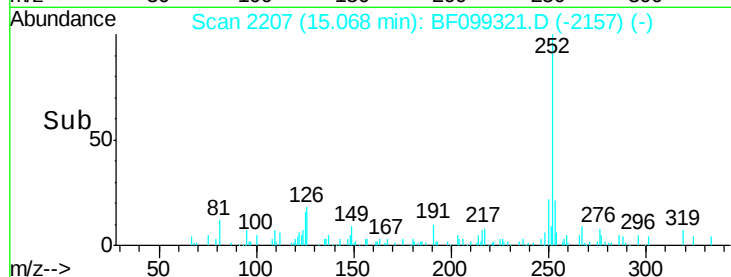
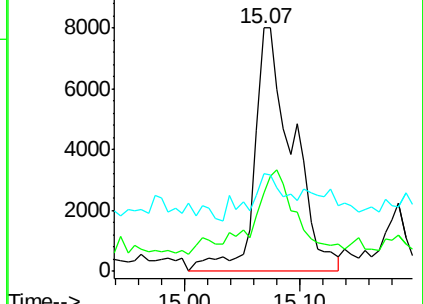
125 40.1 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 2.16 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.04 min

Lab File: BF099321.D

Acq: 11 Oct 2017 1:09

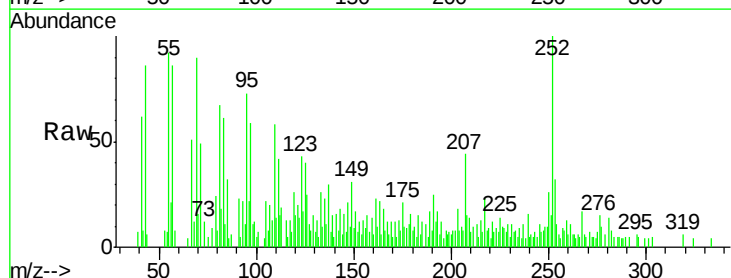
Tgt Ion:252 Resp: 18519

Ion Ratio Lower Upper

252 100

253 32.4 17.9 26.9#

125 40.1 10.2 15.2#



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

