

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099696.D
 Acq On : 20 Oct 2017 13:06
 Operator : SJ/JU
 Sample : I5953-04 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 17:55:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

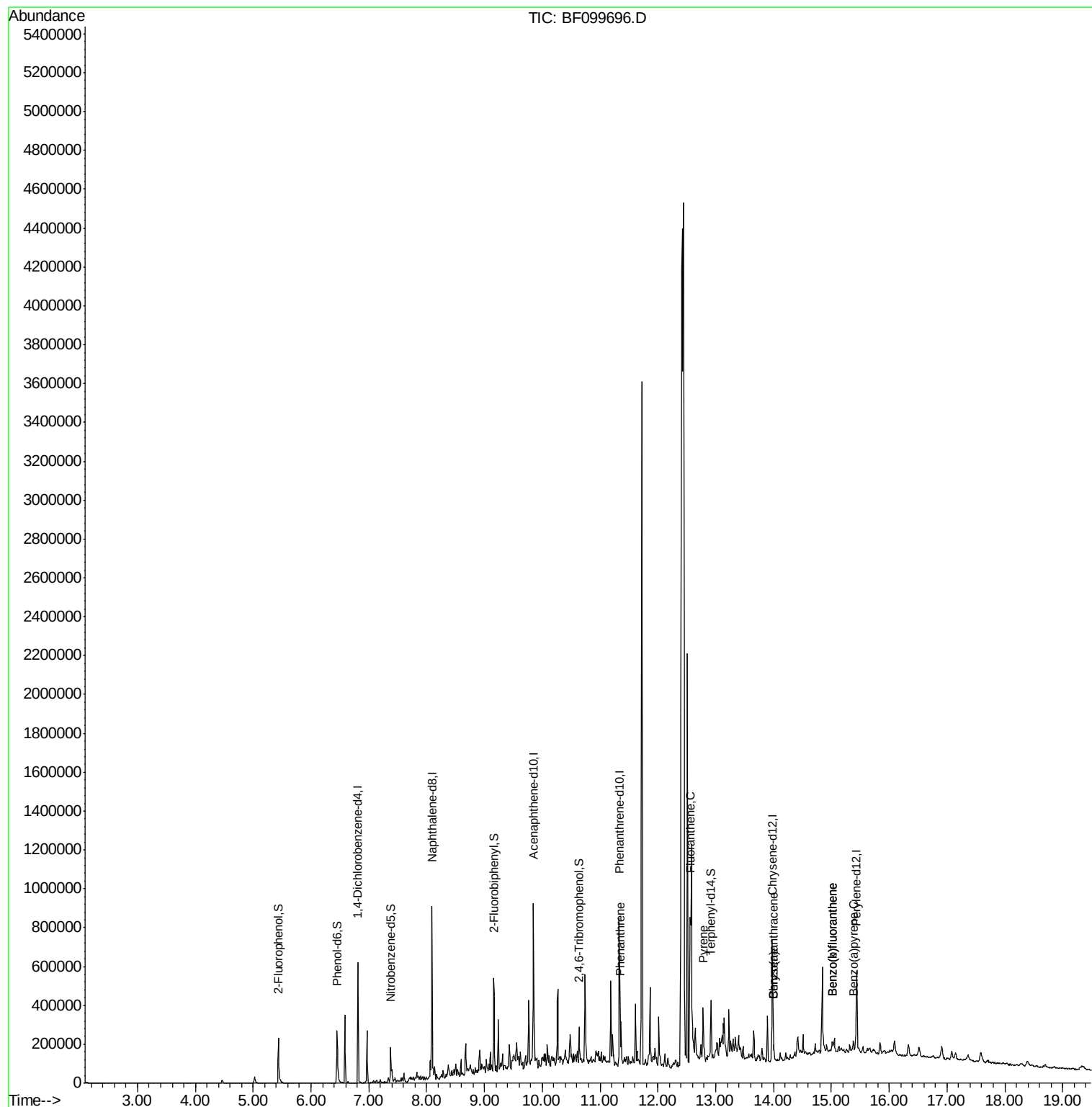
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	97961	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	399966	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	173496	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	261532	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	181724	20.00	ng	0.00
86) Perylene-d12	15.44	264	183224	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	94080	15.29	ng	0.00
7) Phenol-d6	6.45	99	115329	15.19	ng	-0.01
23) Nitrobenzene-d5	7.37	82	67003	10.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	20793	14.65	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	140636	13.53	ng	-0.01
78) Terphenyl-d14	12.92	244	86890	10.87	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.36	178	75416	5.387	ng	99
74) Fluoranthene	12.55	202	63412	4.473	ng	97
77) Pyrene	12.79	202	73484	5.303	ng	97
80) Benzo(a)anthracene	14.00	228	29397	2.672	ng	96
82) Chrysene	14.00	228	29397	2.806	ng	96
87) Benzo(b)fluoranthene	15.02	252	38517	3.419	ng	# 83
88) Benzo(k)fluoranthene	15.02	252	38517	3.462	ng	# 86
89) Benzo(a)pyrene	15.38	252	23709	2.293	ng	# 87

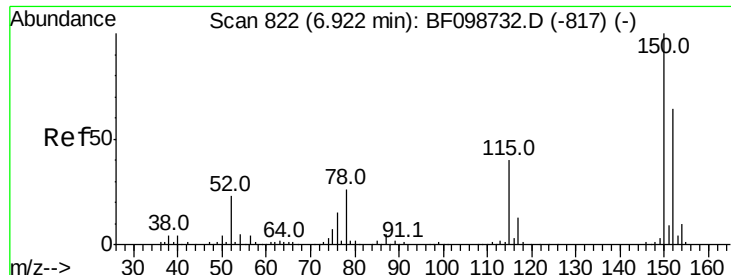
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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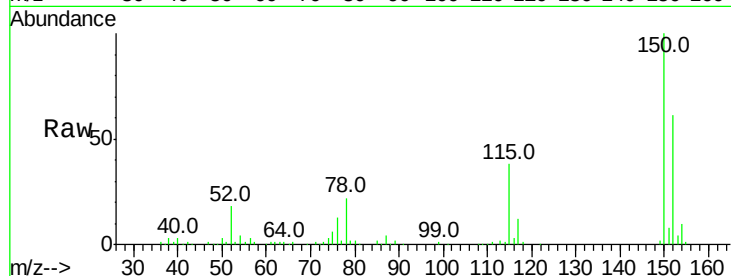


#1

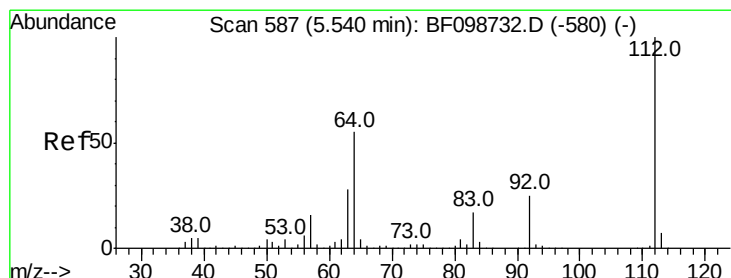
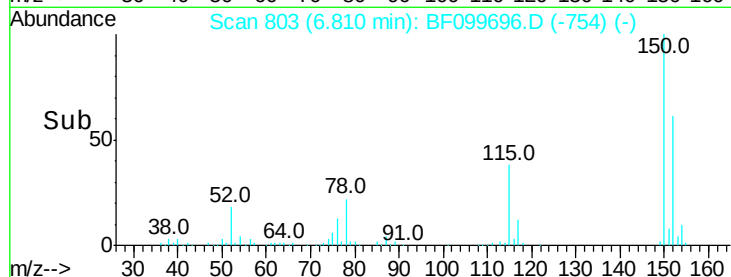
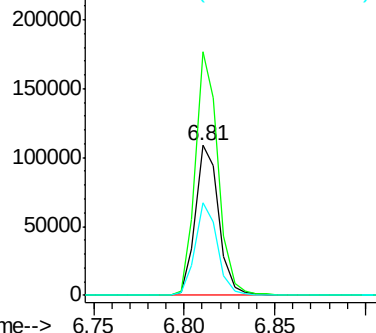
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099696.D
Acq: 20 Oct 2017 13:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 97961
Ion Ratio Lower Upper
152 100
150 162.8 124.6 186.8
115 62.0 50.1 75.1



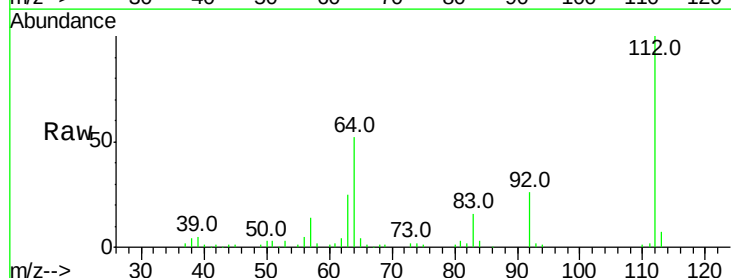
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



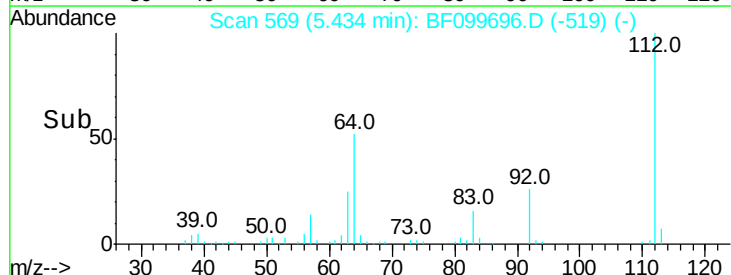
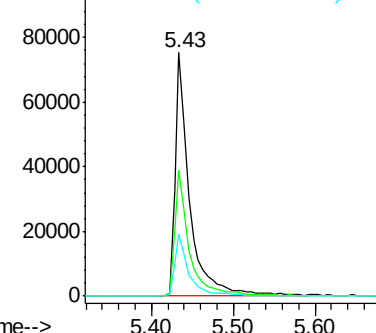
#5

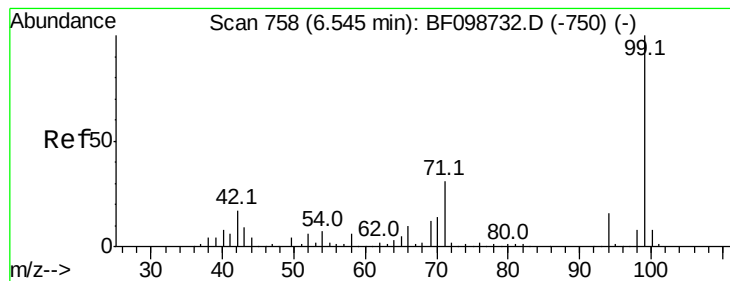
2-Fluorophenol
Concen: 15.288 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF099696.D
Acq: 20 Oct 2017 13:06

Tgt Ion:112 Resp: 94080
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 25.2 23.7 35.5



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: 15.192 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

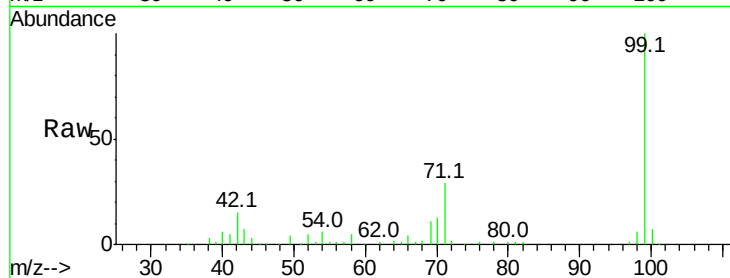
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 115329

Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	28.9	25.4	38.0

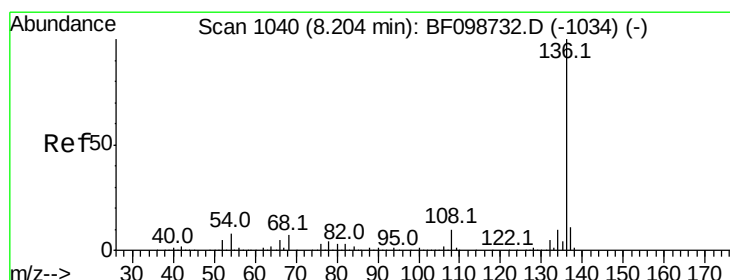
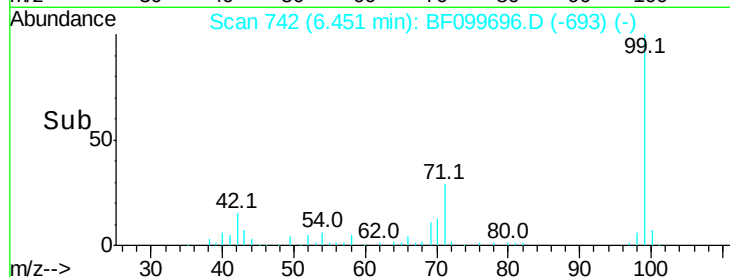
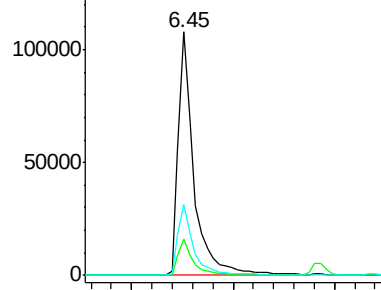


Abundance

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: 20.000 ng

RT: 8.09 min Scan# 1021

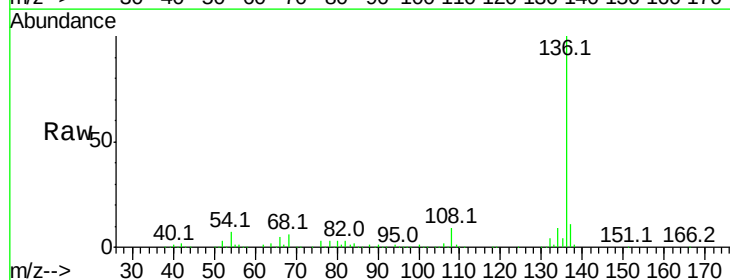
Delta R.T. -0.01 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

Tgt Ion: 136 Resp: 399966

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.9	6.6	9.8
68	6.3	5.0	7.4



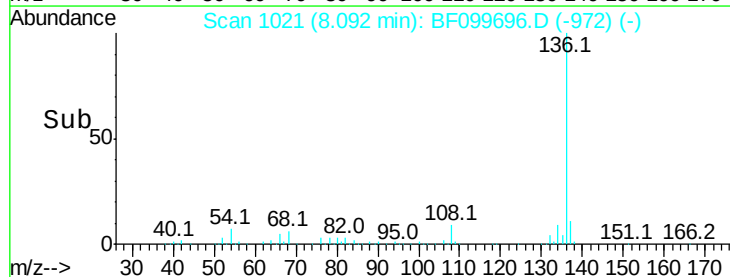
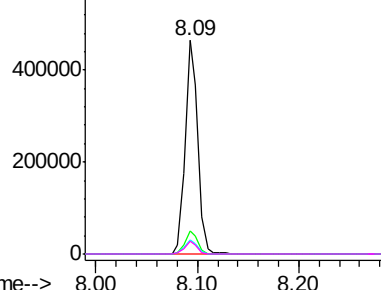
Abundance

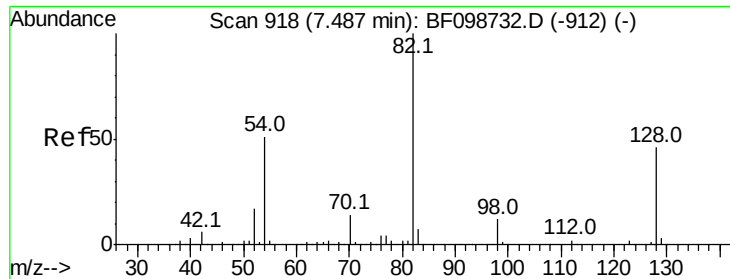
Ion 136.00 (135.70 to 136.70): E

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

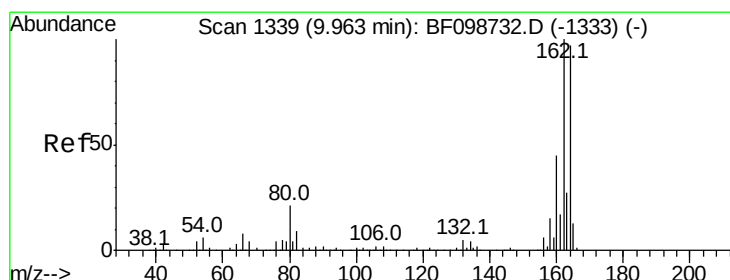
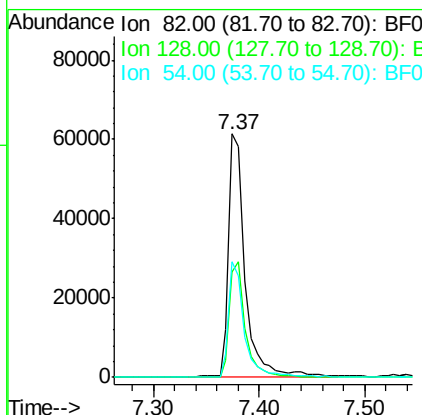
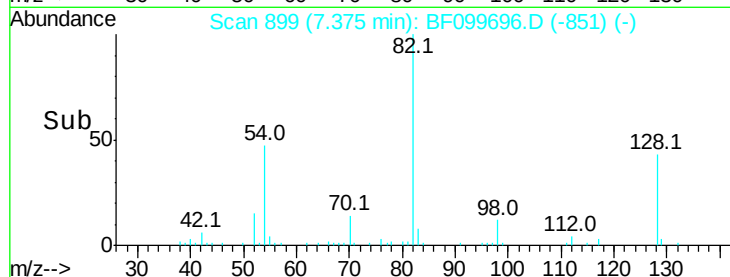
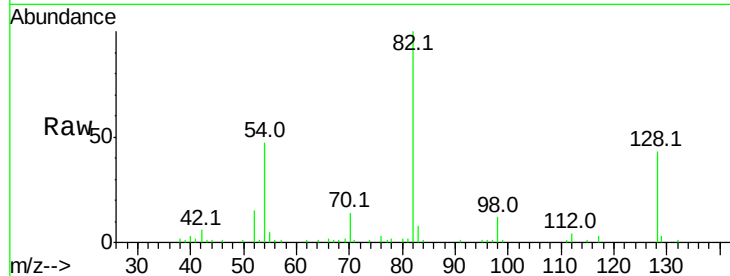




#23
 Nitrobenzene-d5
 Concen: 10.743 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.02 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

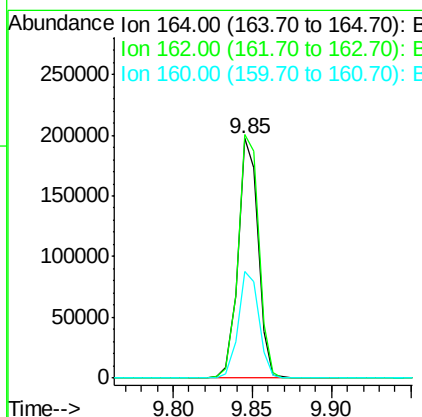
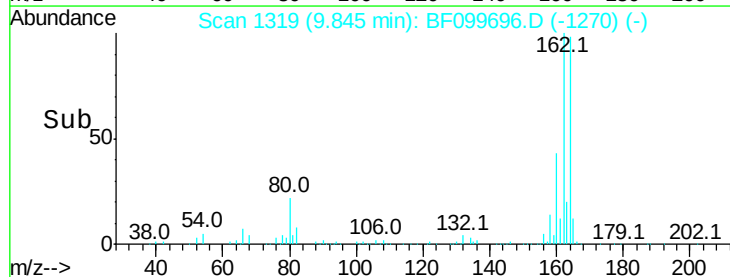
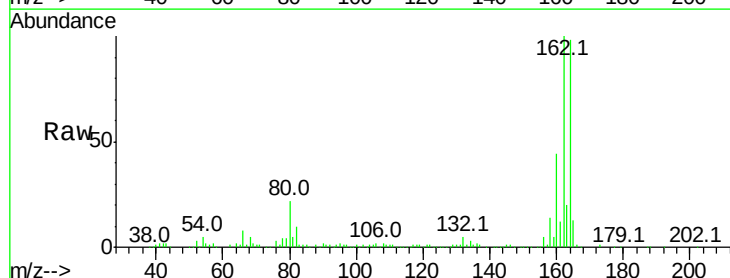
Instrument :
 BNA_F
 ClientSampleId :

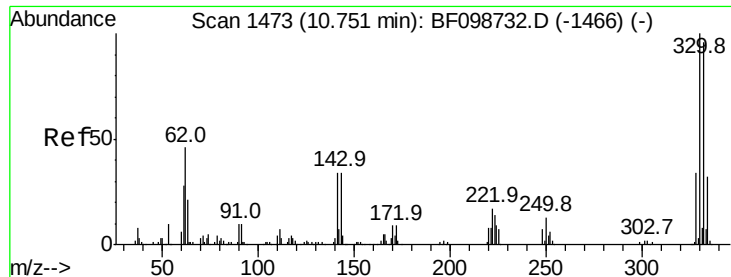
Tot Ion: 82 Resp: 67003
 Ion Ratio Lower Upper
 82 100
 128 43.4 36.1 54.1
 54 47.4 41.4 62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

Tgt Ion:164 Resp: 173496
 Ion Ratio Lower Upper
 164 100
 162 101.6 86.1 129.1
 160 44.3 38.3 57.5



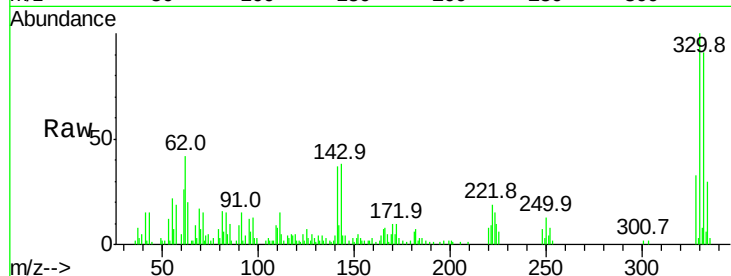


#41
 2,4,6-Tribromophenol
 Concen: 14.646 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

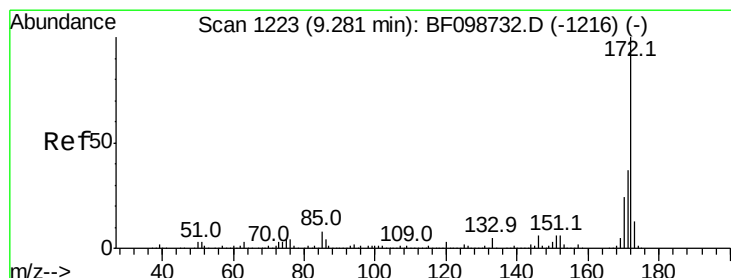
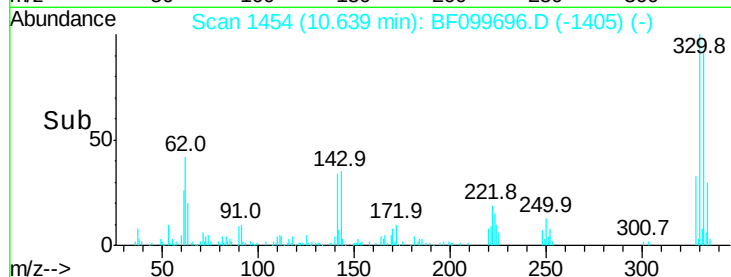
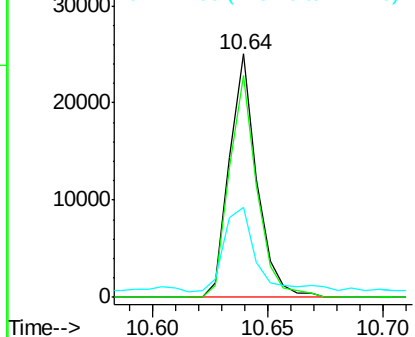
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 20793

Ion	Ratio	Lower	Upper
330	100		
332	91.6	77.0	115.6
141	42.1	29.9	44.9



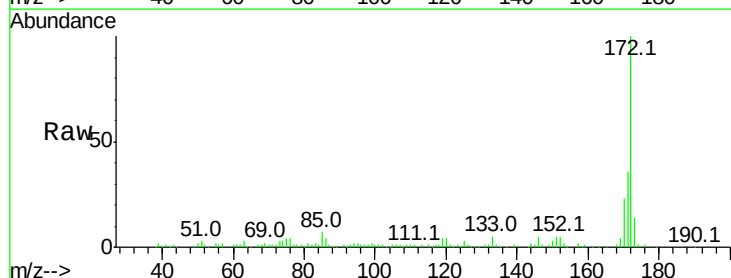
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



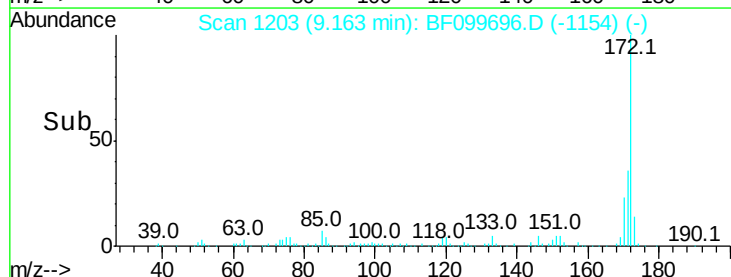
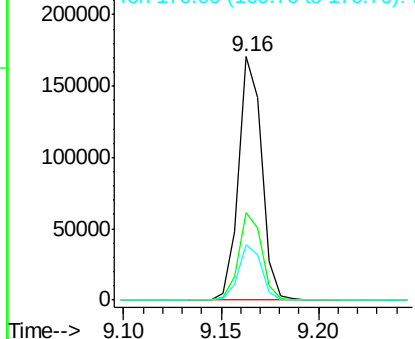
#44
 2-Fluorobiphenyl
 Concen: 13.532 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

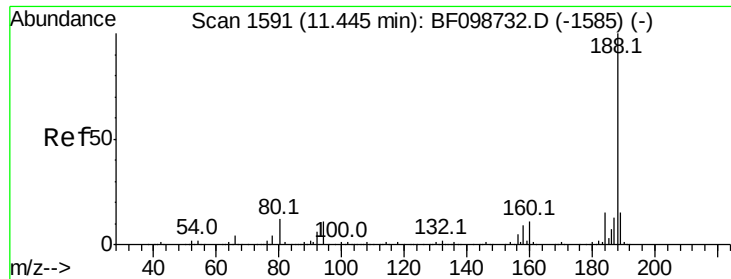
Tgt Ion:172 Resp: 140636

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	22.6	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

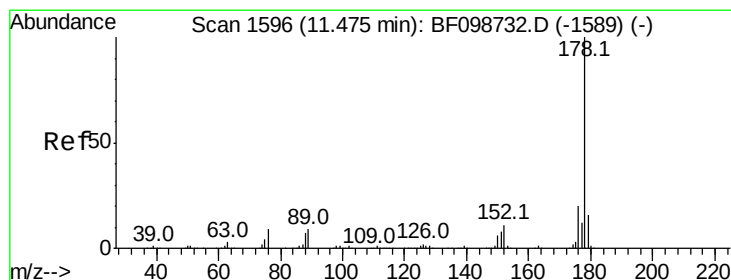
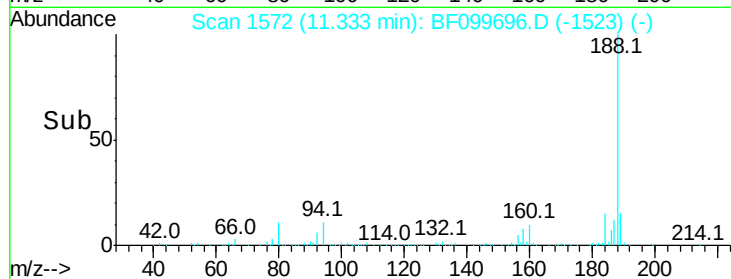
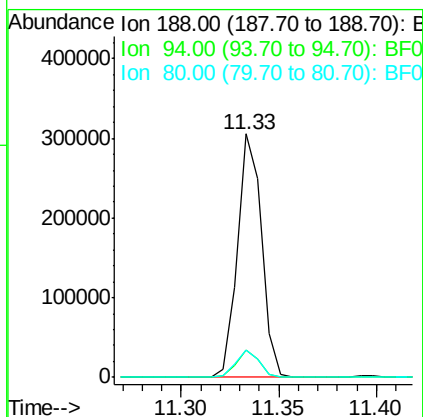
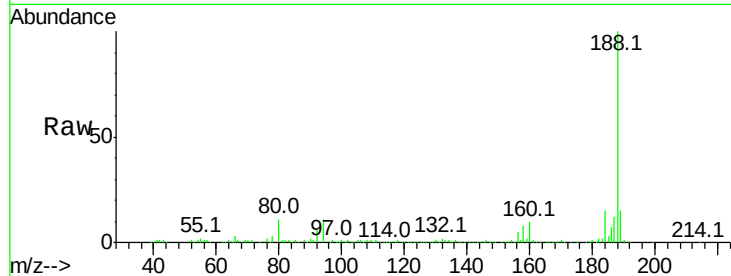




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

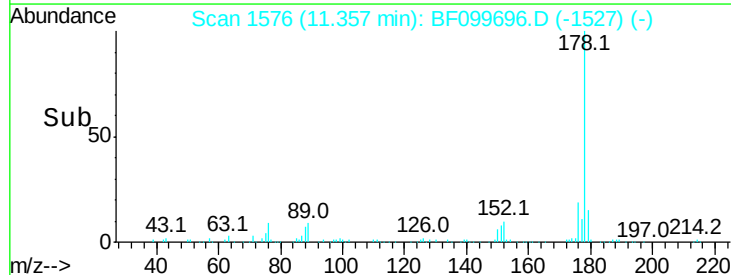
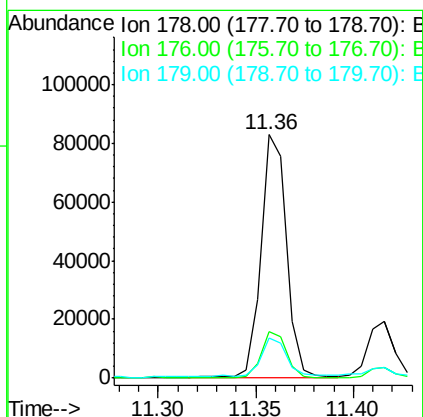
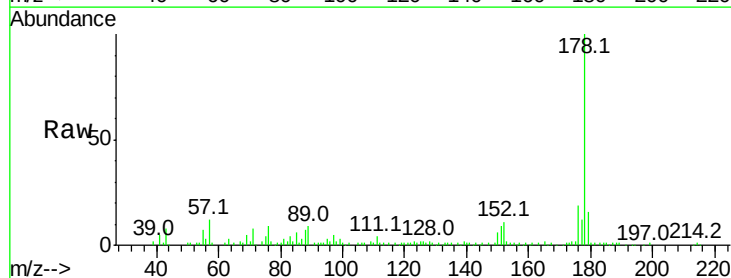
Instrument :
 BNA_F
 ClientSampleId :

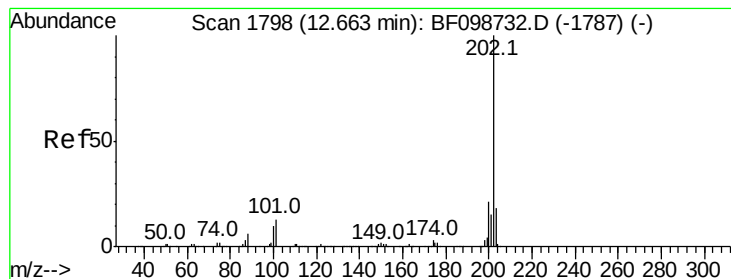
Tot Ion:188 Resp: 261532
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.5 9.2 13.8



#70
 Phenanthrene
 Concen: 5.387 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

Tgt Ion:178 Resp: 75416
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 16.3 13.0 19.6





#74

Fluoranthene

Concen: 4.473 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

Instrument :

BNA_F

ClientSampled :

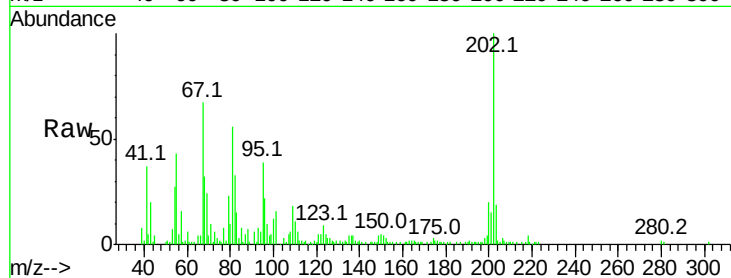
Tot Ion:202 Resp: 63412

Ion Ratio Lower Upper

202 100

101 16.1 0.0 34.1

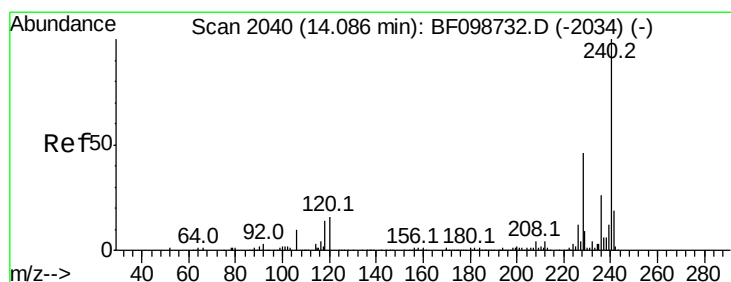
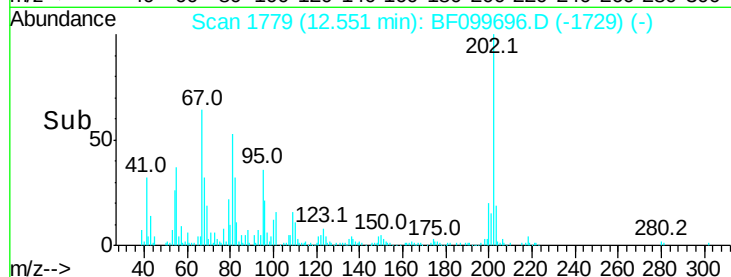
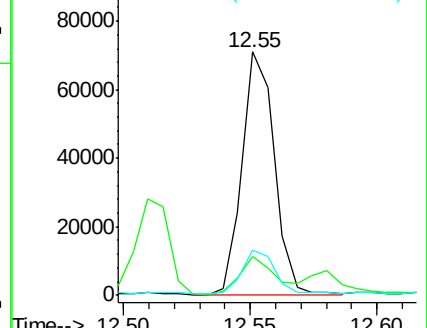
203 18.7 0.0 38.1



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: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

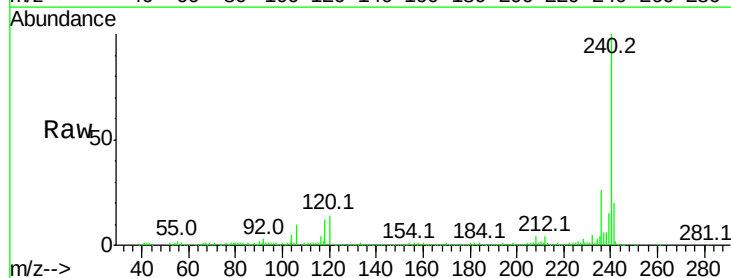
Tgt Ion:240 Resp: 181724

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

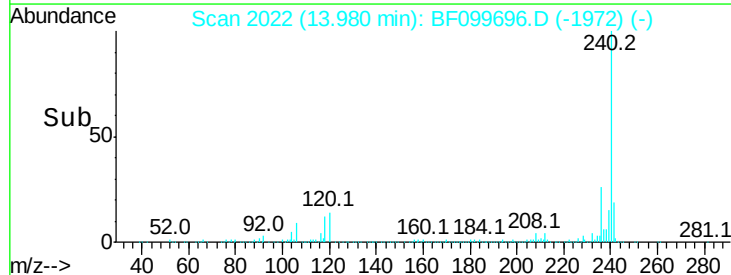
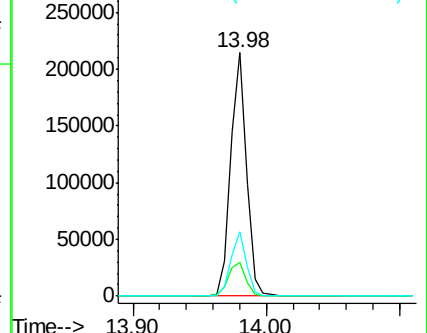
236 26.4 20.7 31.1

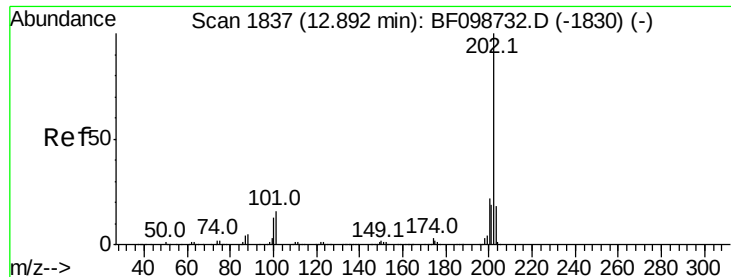


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.303 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

Instrument :

BNA_F

ClientSampleId :

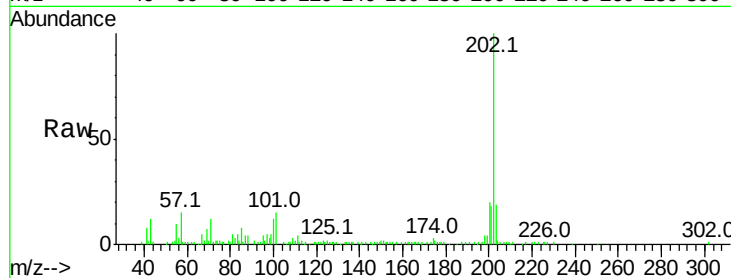
Tot Ion:202 Resp: 73484

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

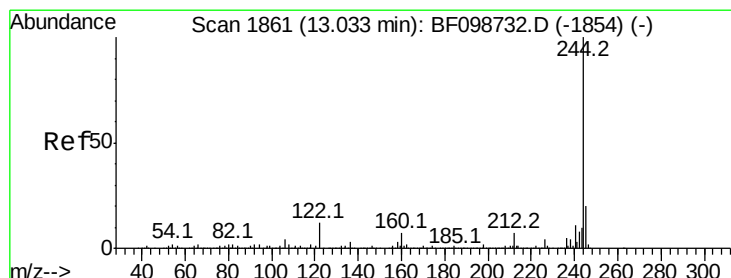
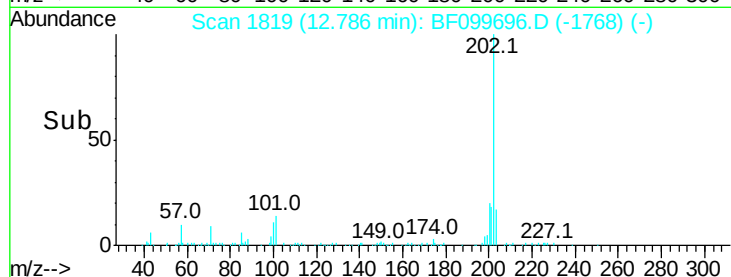
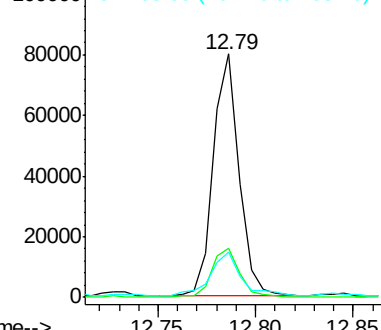
203 18.7 14.3 21.5



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: 10.874 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

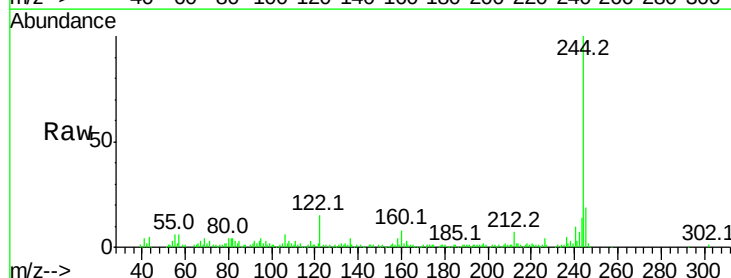
Tgt Ion:244 Resp: 86890

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

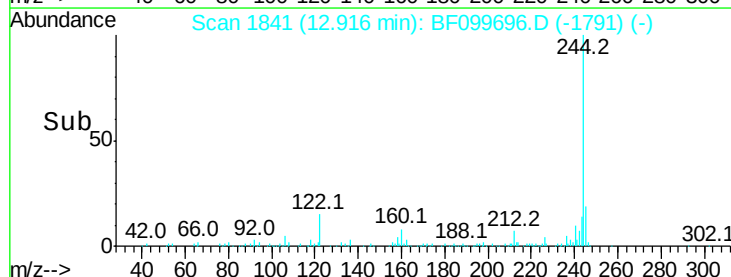
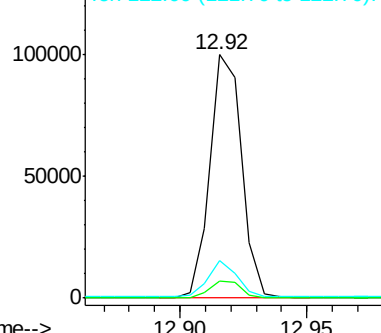
122 15.5 11.0 16.4

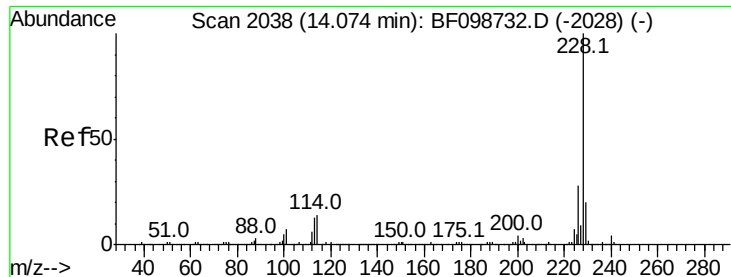


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.672 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.03 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

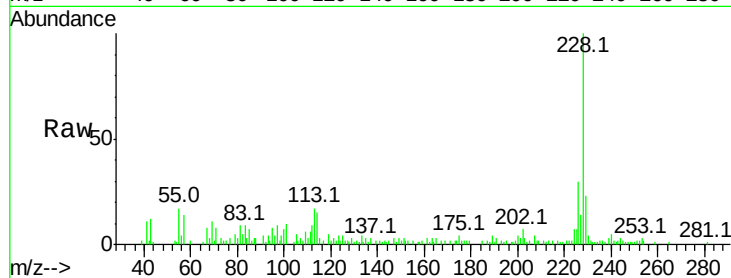
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 29397

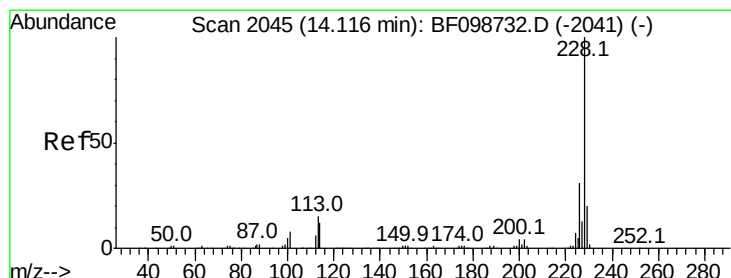
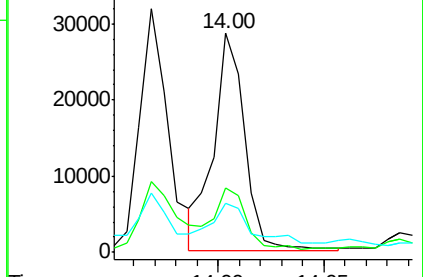
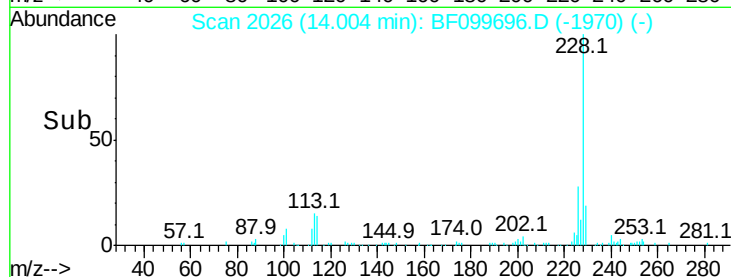
Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	22.6	15.8	23.6



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: 2.806 ng

RT: 14.00 min Scan# 2026

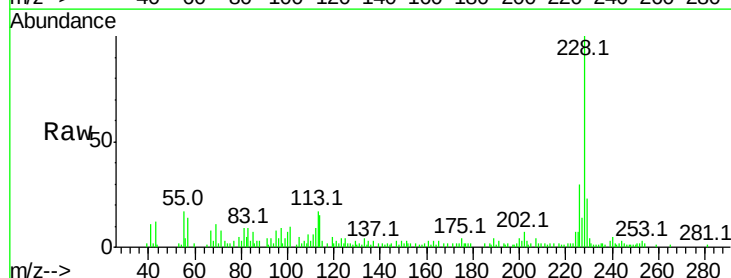
Delta R.T. -0.01 min

Lab File: BF099696.D

Acq: 20 Oct 2017 13:06

Tgt Ion:228 Resp: 29397

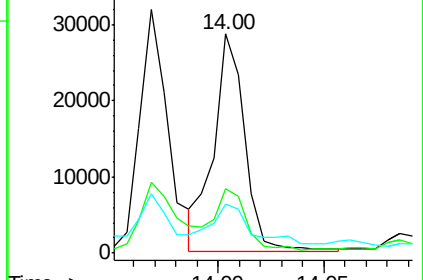
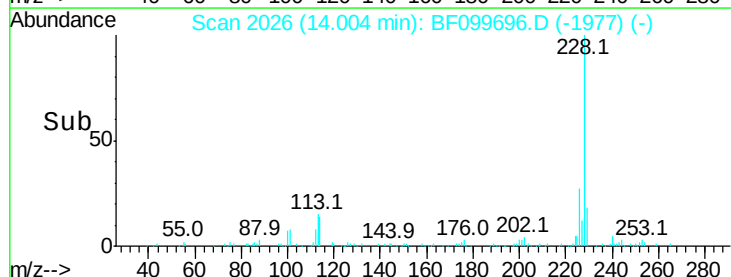
Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.6	16.2	24.4

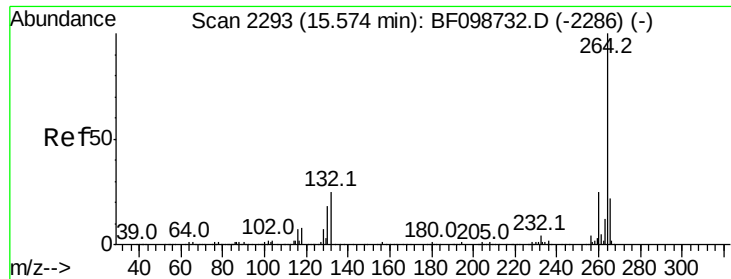


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

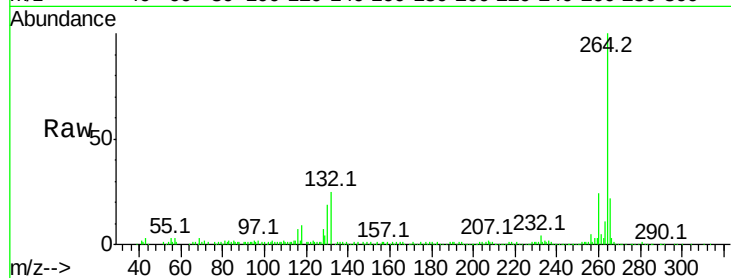




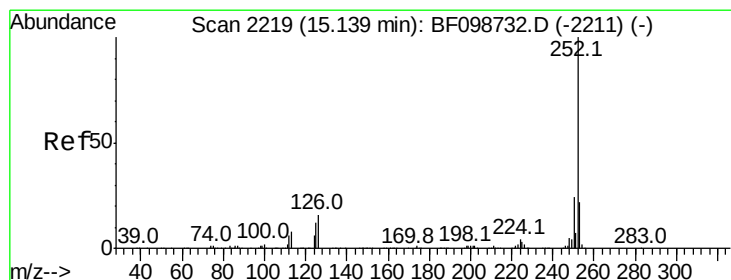
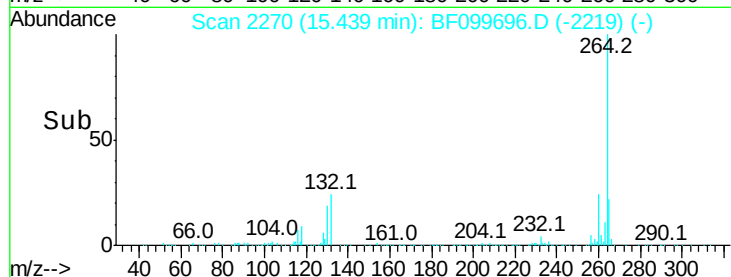
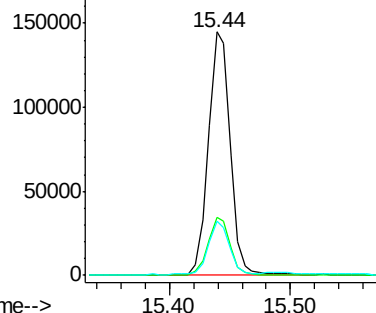
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF099696.D
Acq: 20 Oct 2017 13:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.4	17.5	26.3

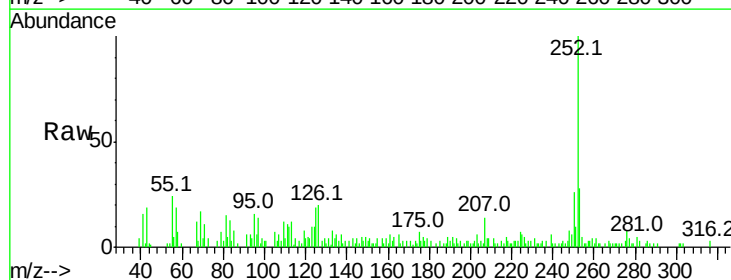


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

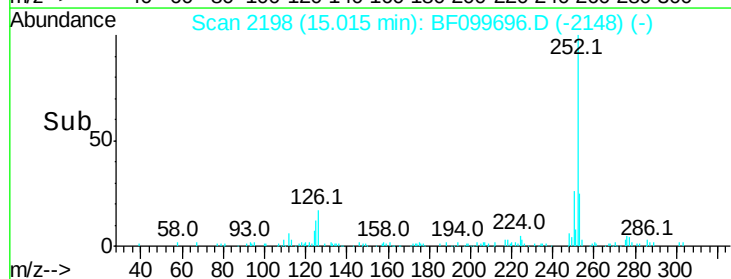
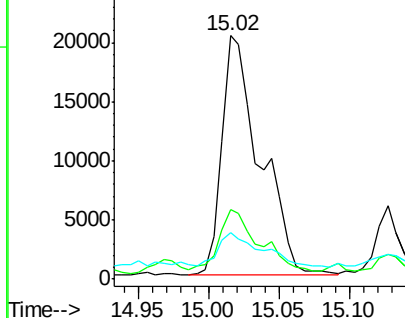


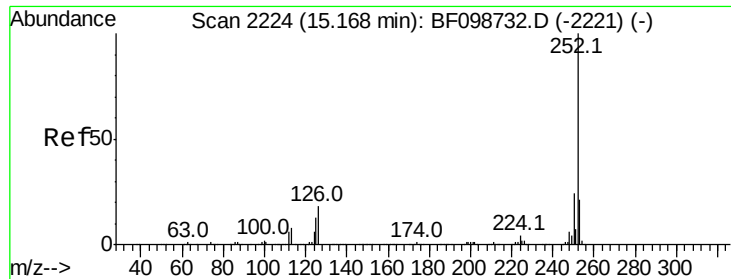
#87
Benzo(b)fluoranthene
Concen: 3.419 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099696.D
Acq: 20 Oct 2017 13:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.0	25.6#
125	18.8	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

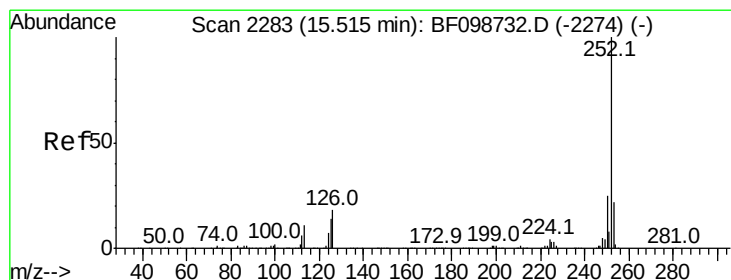
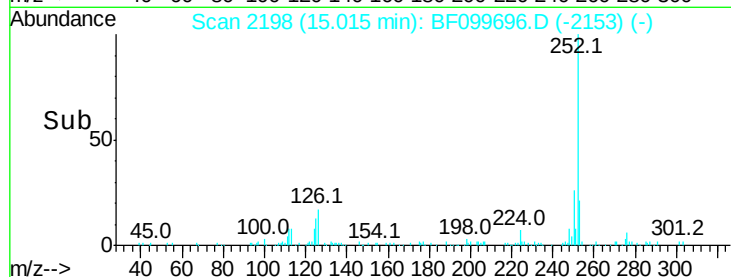
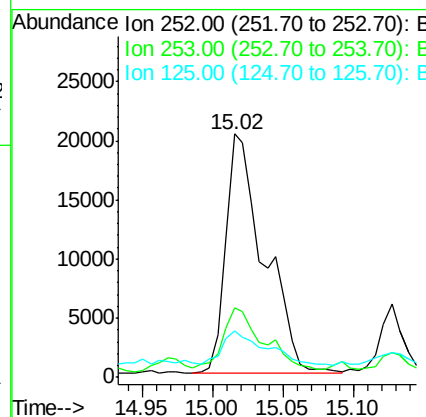
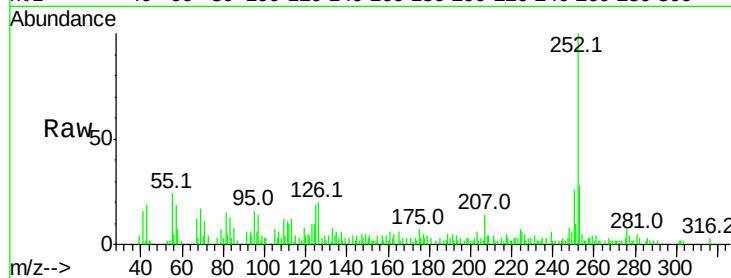




#88
 Benzo(k)fluoranthene
 Concen: 3.462 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.04 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.9	26.9#
125	18.8	10.2	15.2#



#89
 Benzo(a)pyrene
 Concen: 2.293 ng
 RT: 15.38 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BF099696.D
 Acq: 20 Oct 2017 13:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.1	25.7#
125	17.9	9.8	14.6#

