

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099884.D
 Acq On : 27 Oct 2017 18:23
 Operator : SJ/JU
 Sample : I6117-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 18:52:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

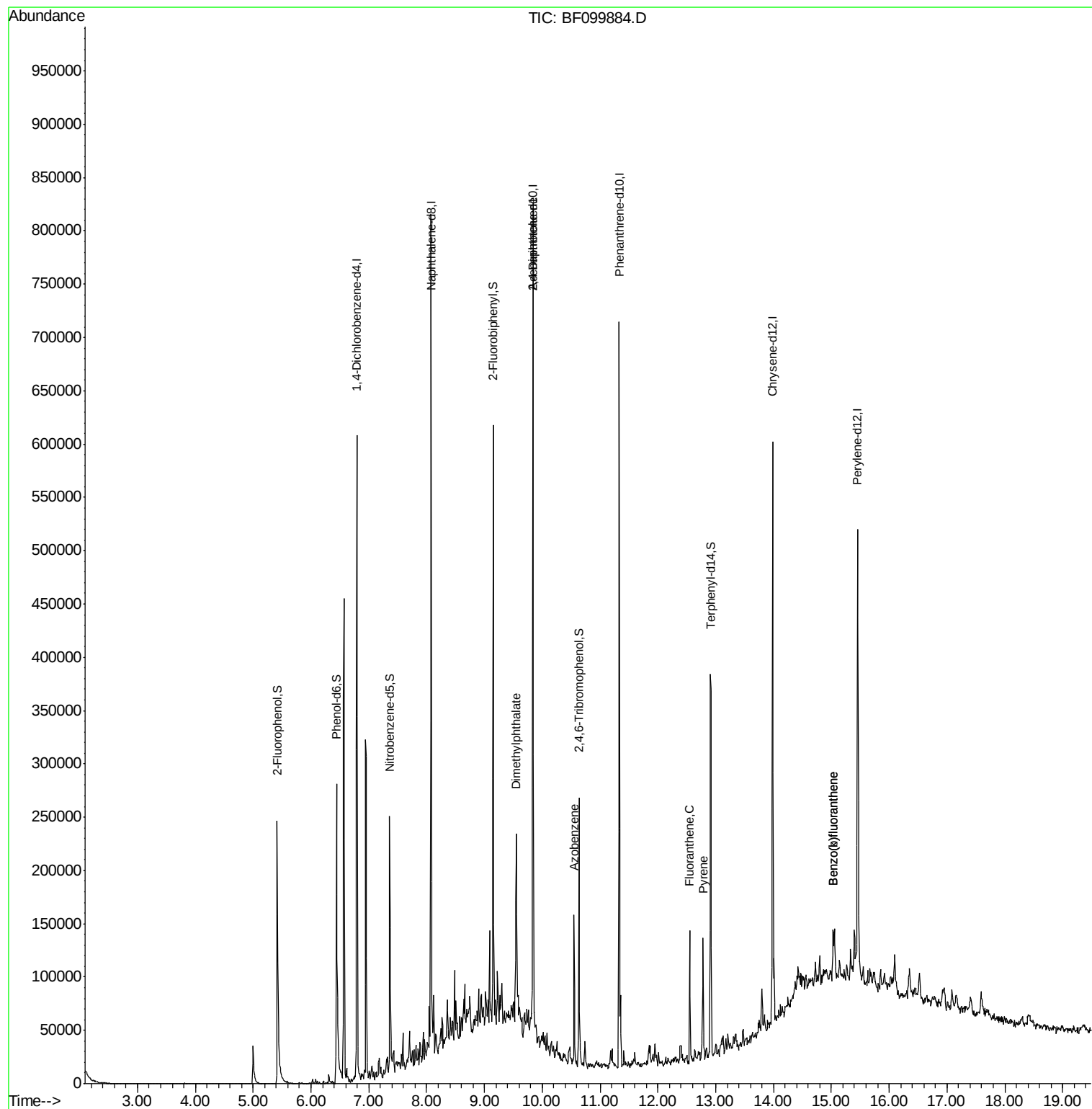
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	93272	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	375017	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	166508	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	266998	20.00	ng	0.00
75) Chrysene-d12	13.99	240	180335	20.00	ng	0.00
86) Perylene-d12	15.46	264	183803	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	128653	21.66	ng	0.00
7) Phenol-d6	6.44	99	158760	22.54	ng	0.00
23) Nitrobenzene-d5	7.36	82	86970	14.93	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	30809	20.30	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	173966	16.12	ng	0.00
78) Terphenyl-d14	12.92	244	113463	13.75	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	62374	4.730	ng	98
56) 2,4-Dinitrotoluene	9.83	165	23232	6.959	ng	# 21
62) Azobenzene	10.55	77	22262	2.062	ng	# 1
74) Fluoranthene	12.55	202	46564	2.974	ng	97
77) Pyrene	12.78	202	43876	3.200	ng	98
87) Benzo(b)fluoranthene	15.03	252	35687	3.075	ng	# 90
88) Benzo(k)fluoranthene	15.03	252	35687	3.261	ng	# 93

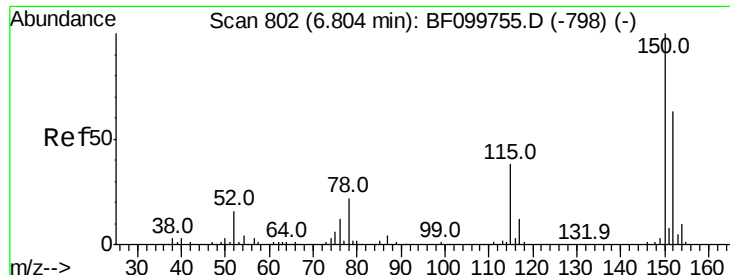
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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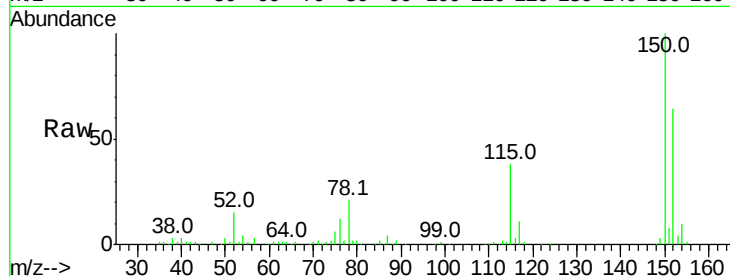


#1

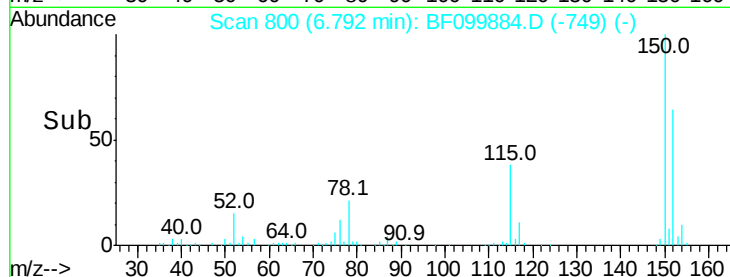
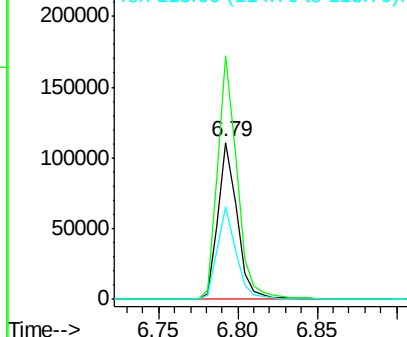
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF099884.D
Acq: 27 Oct 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 93272
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 58.8 50.1 75.1



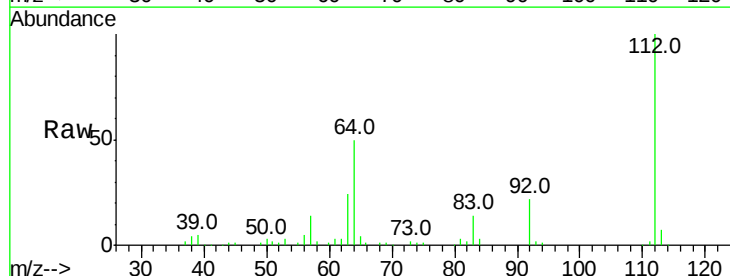
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



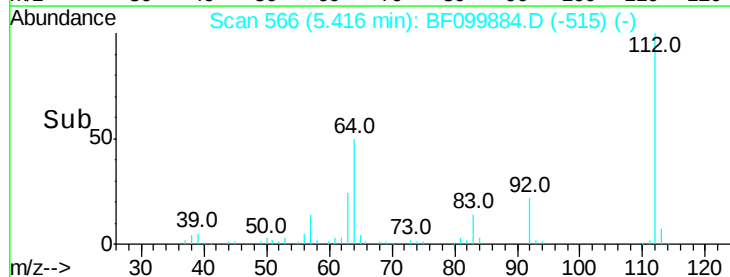
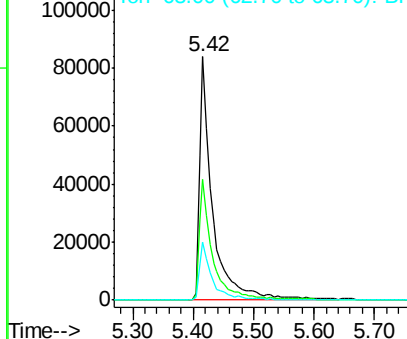
#5

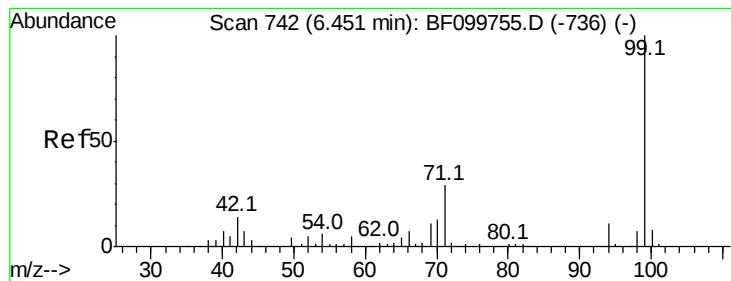
2-Fluorophenol
Concen: 21.655 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF099884.D
Acq: 27 Oct 2017 18:23

Tgt Ion:112 Resp: 128653
Ion Ratio Lower Upper
112 100
64 49.6 47.9 71.9
63 23.9 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: 22.537 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

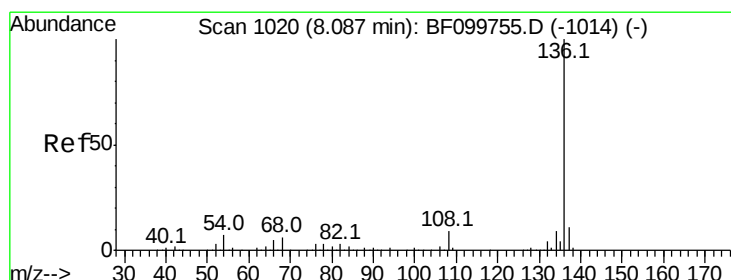
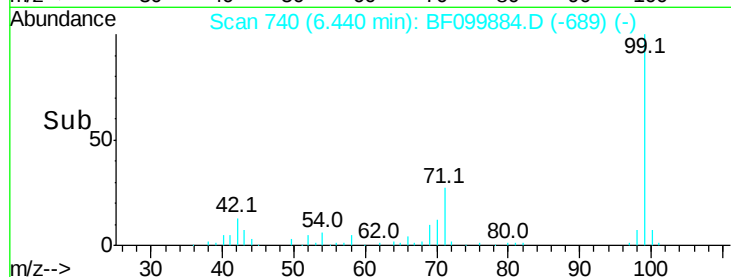
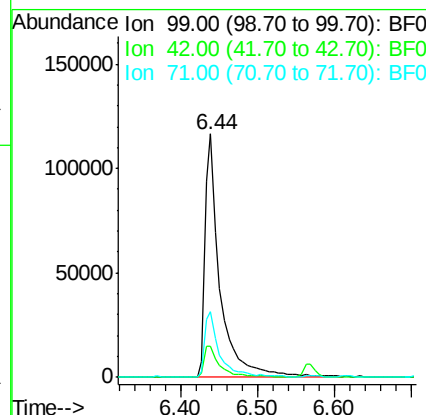
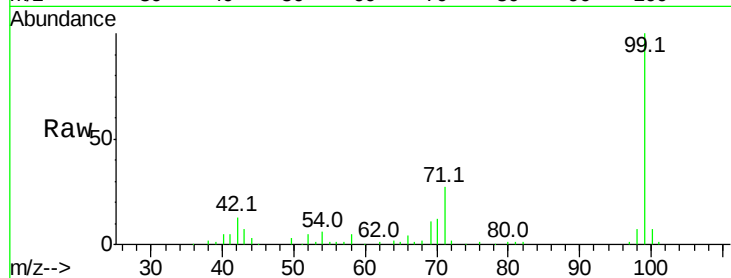
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 158760

Ion	Ratio	Lower	Upper
99	100		
42	12.8	14.5	21.7#
71	27.0	25.4	38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

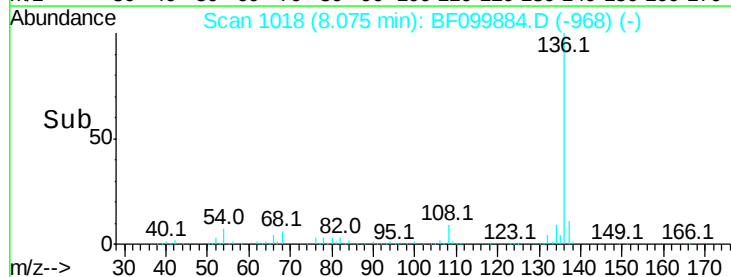
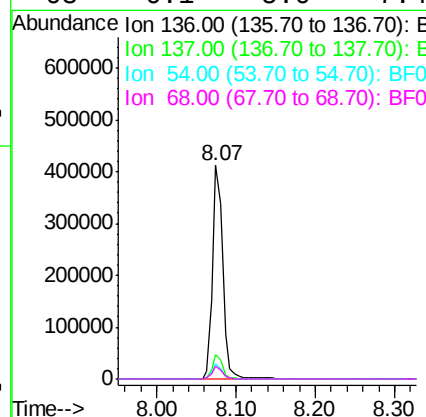
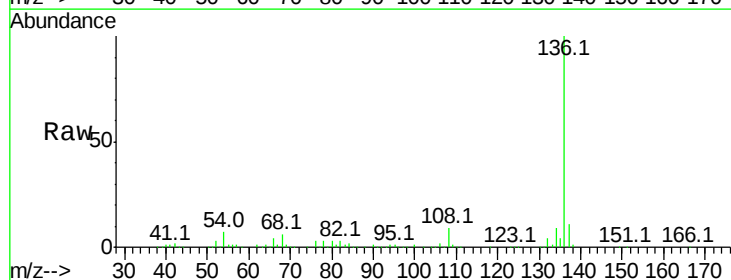
Delta R.T. -0.01 min

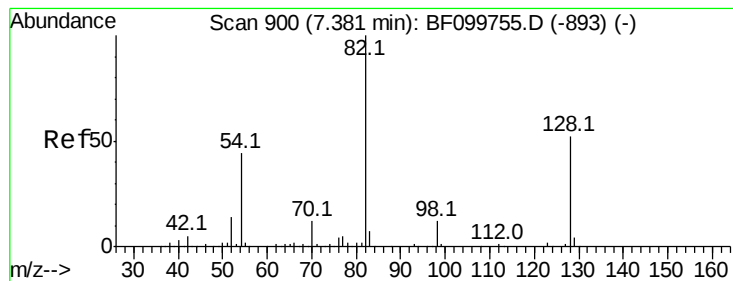
Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

Tgt Ion: 136 Resp: 375017

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.0	6.6	9.8
68	6.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 14.930 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF099884.D

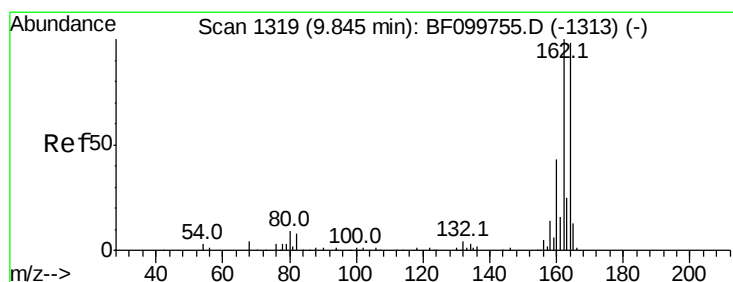
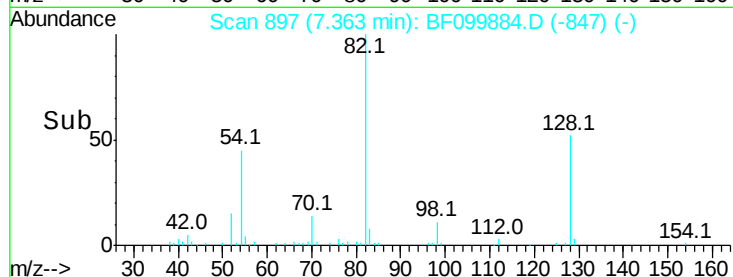
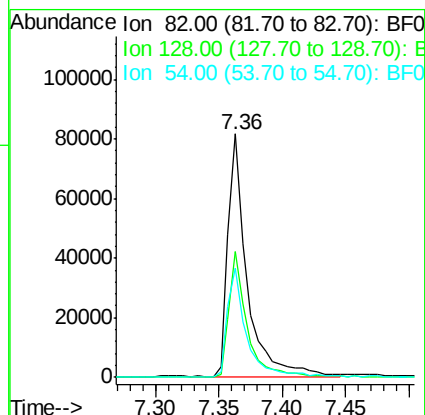
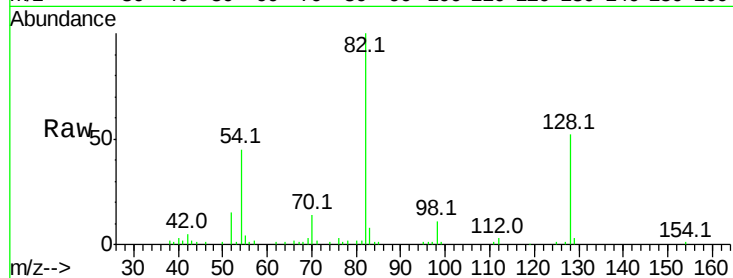
Acq: 27 Oct 2017 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	82	Resp:	86970
Ion	Ratio	Lower	Upper
82	100		
128	51.6	36.1	54.1
54	44.8	41.4	62.2



#38

Acenaphthene-d10

Concen: 20.000 ng

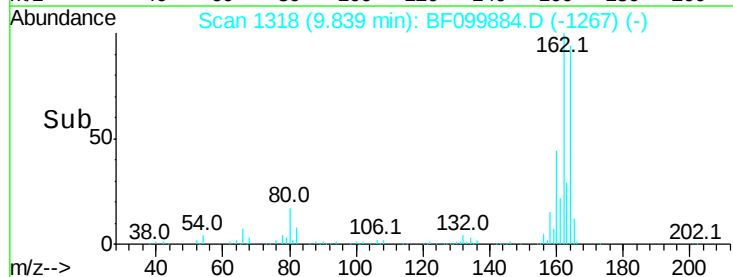
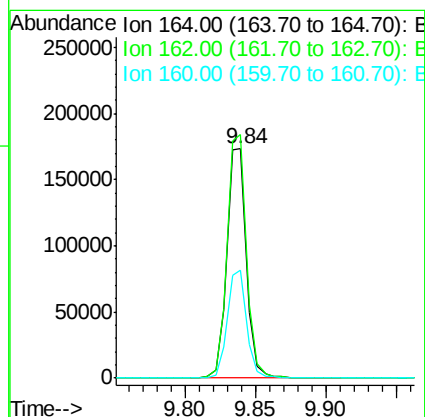
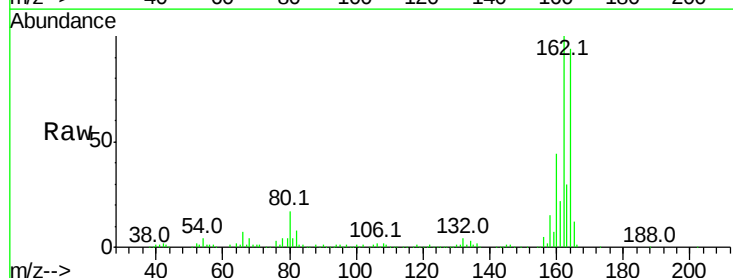
RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

Tgt Ion:	164	Resp:	166508
Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	47.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 20.304 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

Instrument :

BNA_F

ClientSampleId :

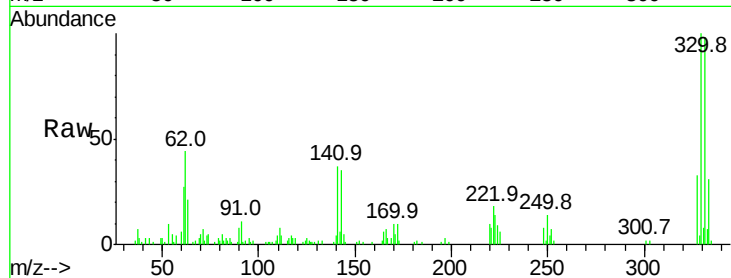
Tot Ion:330 Resp: 30809

Ion Ratio Lower Upper

330 100

332 97.0 77.0 115.6

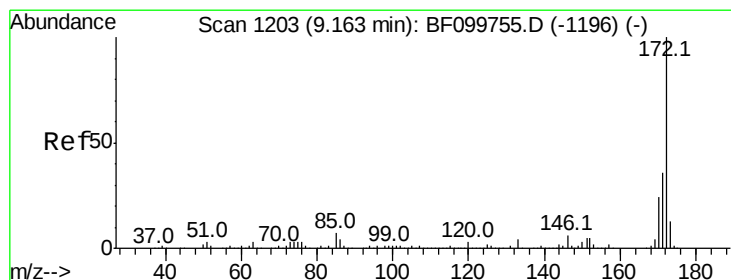
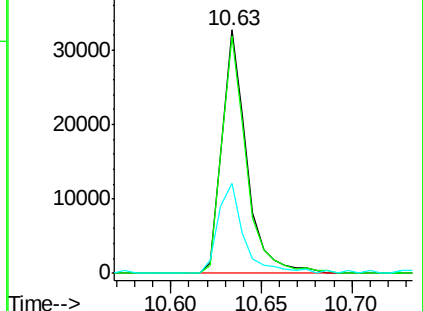
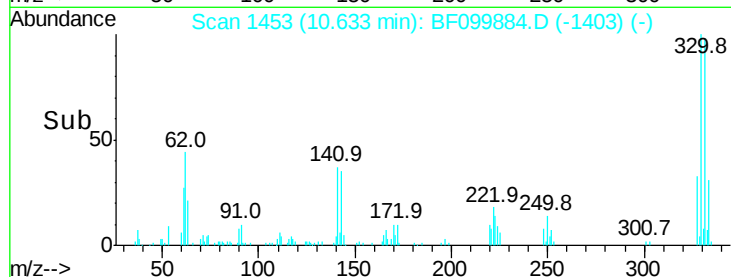
141 39.1 29.9 44.9



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: 16.119 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

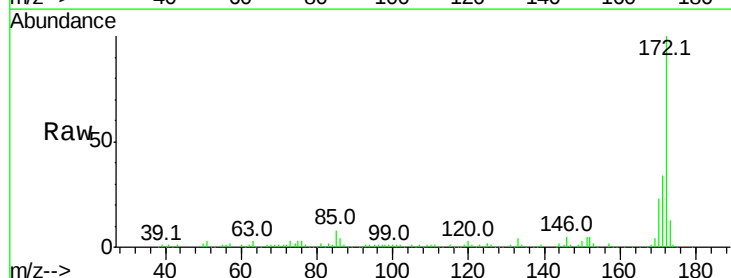
Tgt Ion:172 Resp: 173966

Ion Ratio Lower Upper

172 100

171 34.5 29.7 44.5

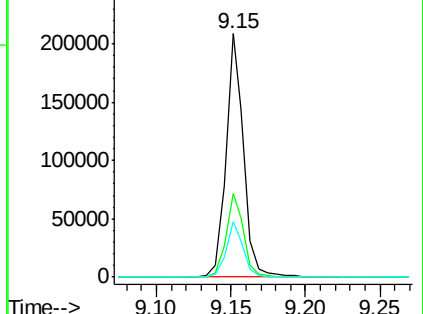
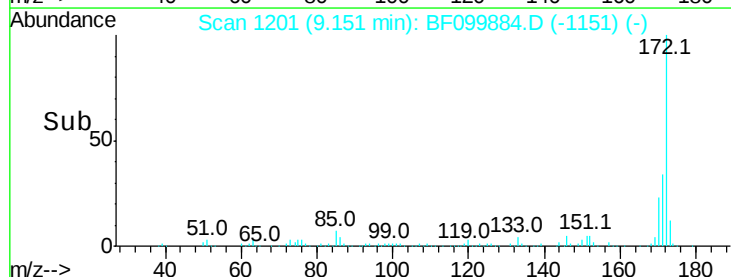
170 22.7 19.6 29.4

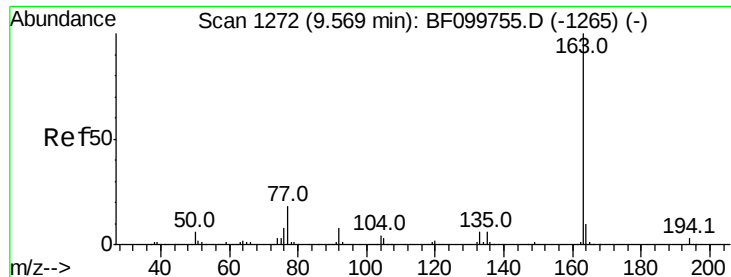


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

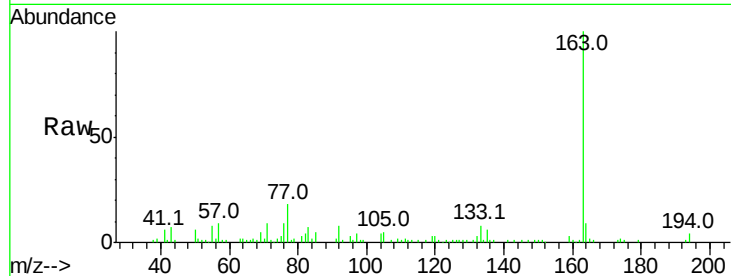




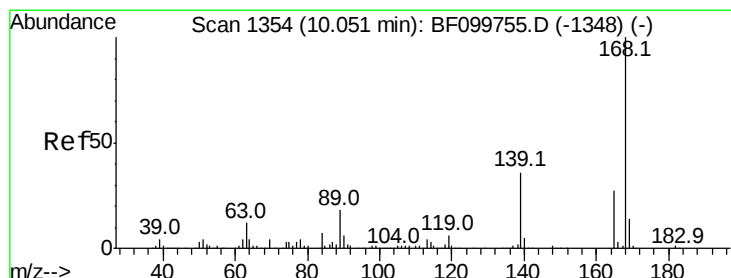
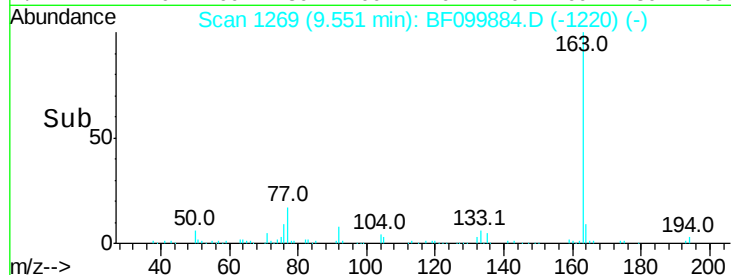
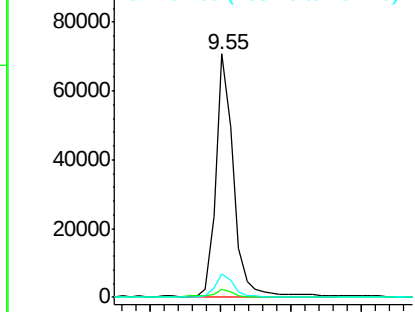
#49
Dimethylphthalate
Concen: 4.730 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099884.D
Acq: 27 Oct 2017 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 62374
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.4 8.2 12.2

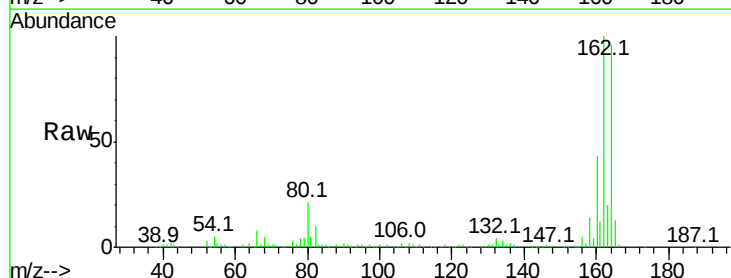


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

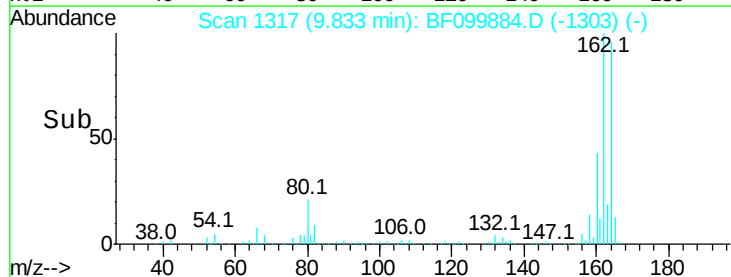
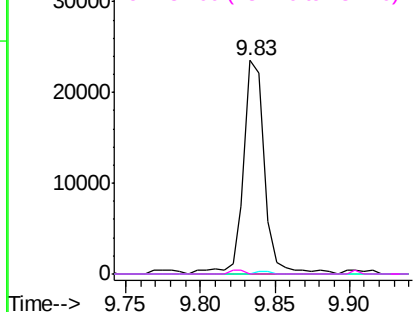


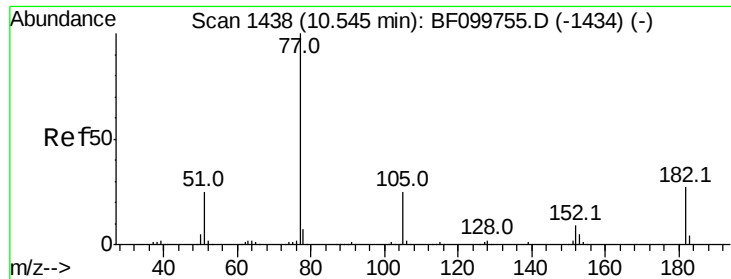
#56
2,4-Dinitrotoluene
Concen: 6.959 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.22 min
Lab File: BF099884.D
Acq: 27 Oct 2017 18:23

Tgt Ion:165 Resp: 23232
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#62

Azobenzene

Concen: 2.062 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 22262

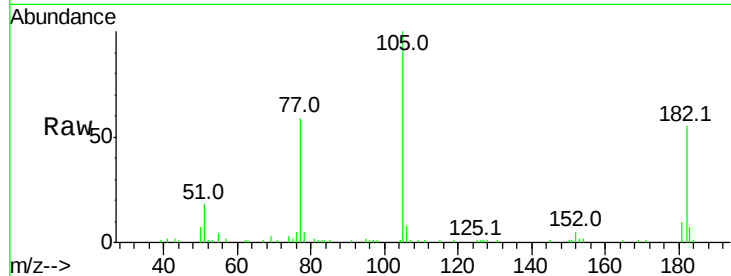
Ion Ratio Lower Upper

77 100

182 93.2 1.7 41.7#

105 170.1 3.0 43.0#

51 30.8 9.9 49.9

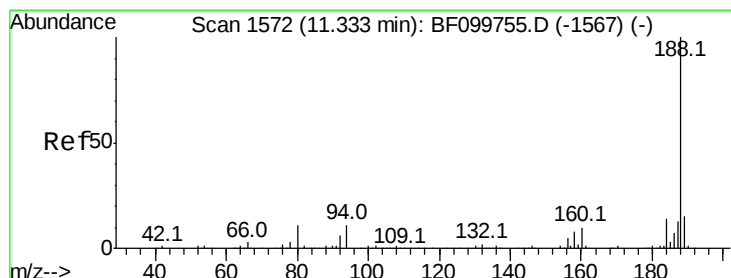
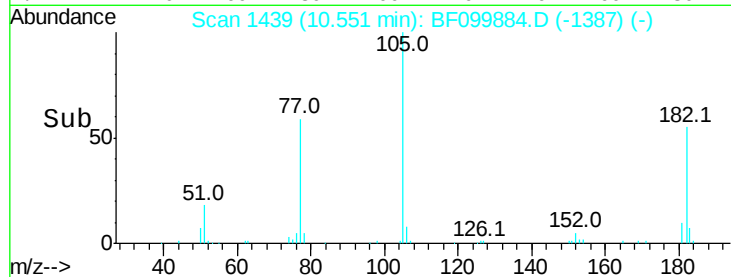
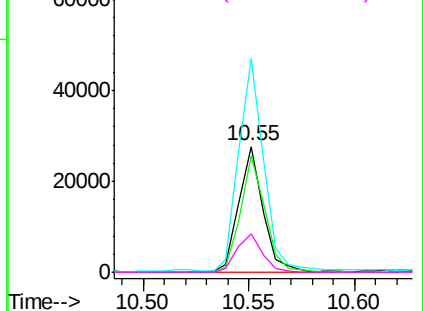


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

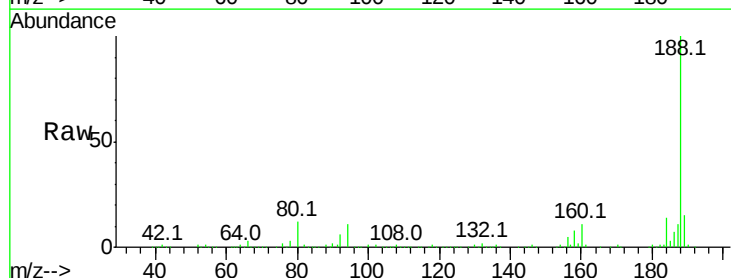
Tgt Ion: 188 Resp: 266998

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

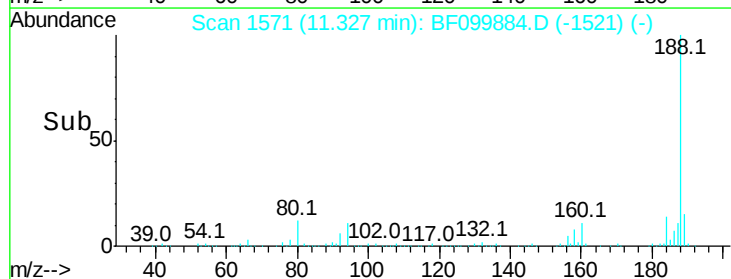
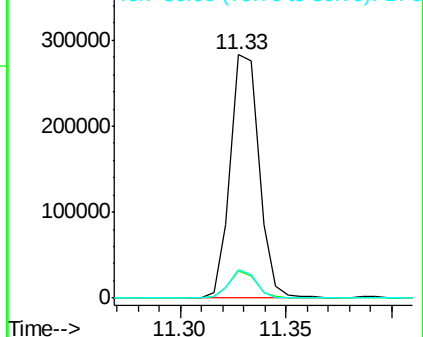
80 11.9 9.2 13.8

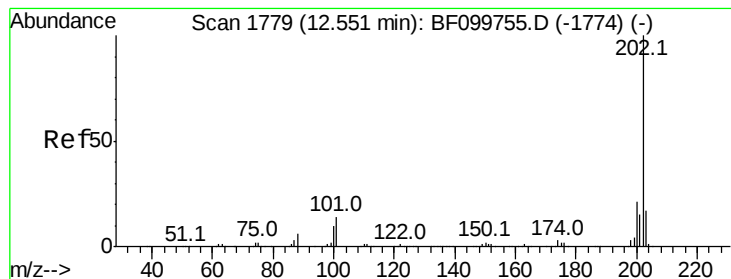


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#74

Fluoranthene

Concen: 2.974 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

Instrument :

BNA_F

ClientSampleId :

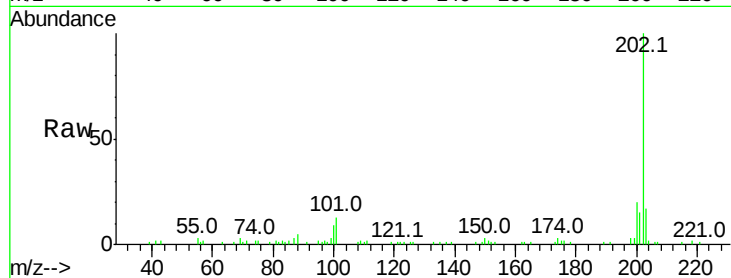
Tot Ion:202 Resp: 46564

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

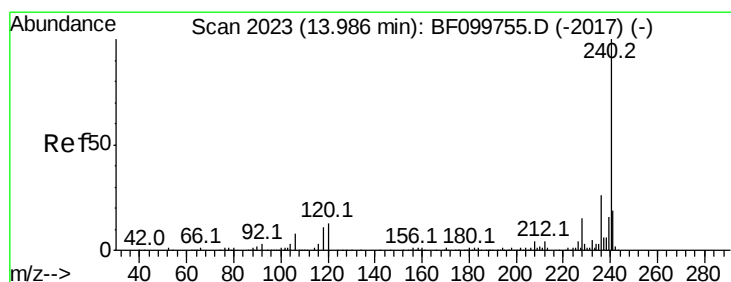
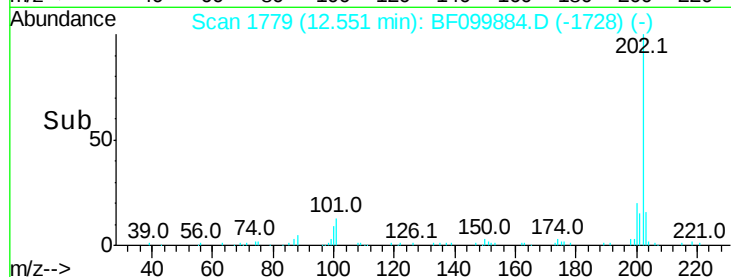
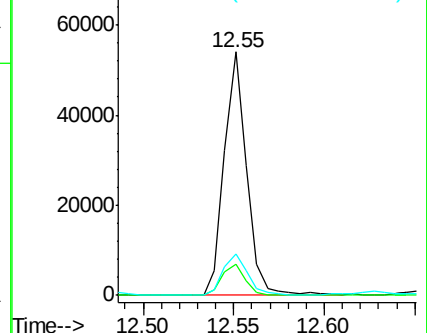
203 16.9 0.0 38.1



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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

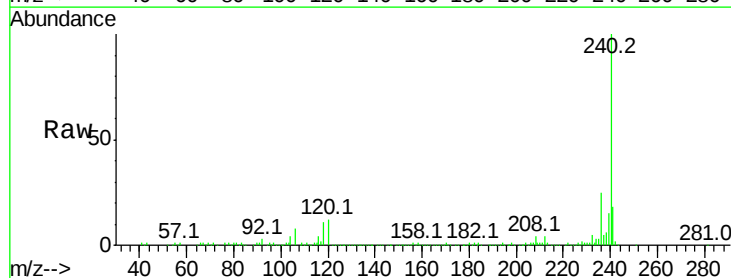
Tgt Ion:240 Resp: 180335

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

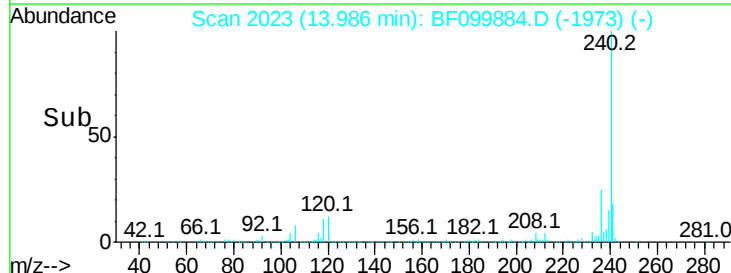
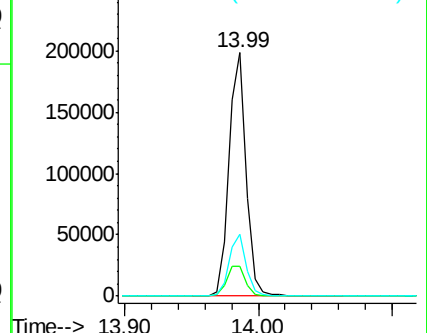
236 25.4 20.7 31.1

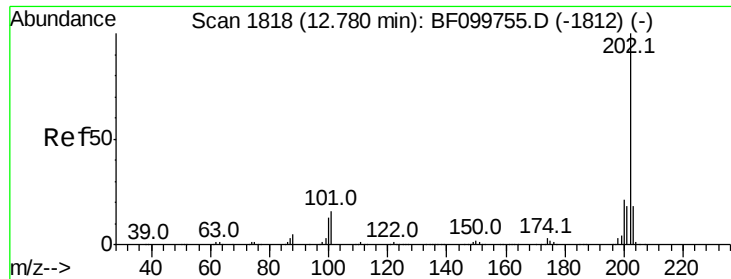


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.200 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

Instrument :

BNA_F

ClientSampleId :

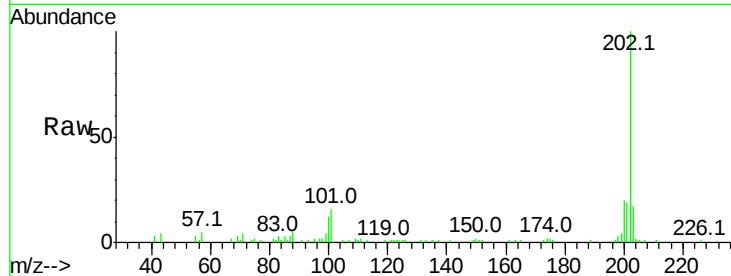
Tot Ion:202 Resp: 43876

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

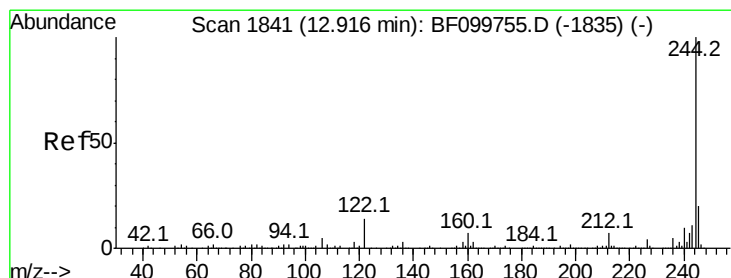
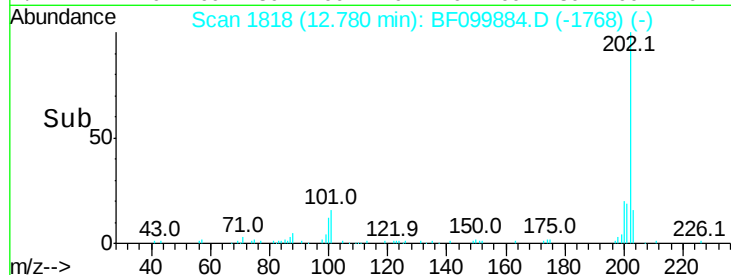
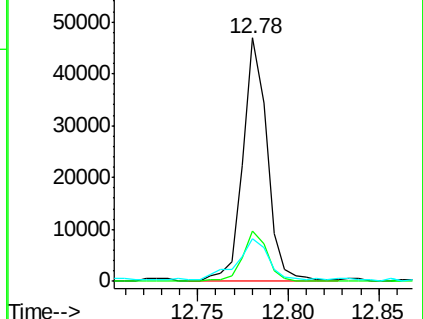
203 17.4 14.3 21.5



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: 13.750 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099884.D

Acq: 27 Oct 2017 18:23

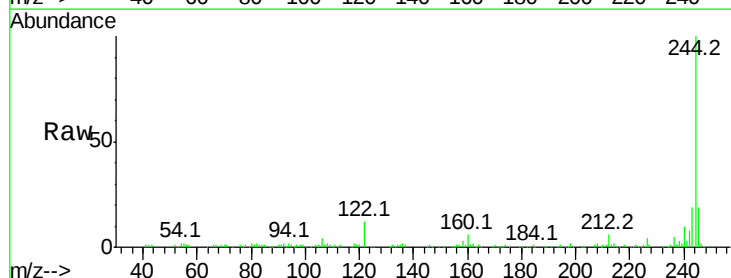
Tgt Ion:244 Resp: 113463

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

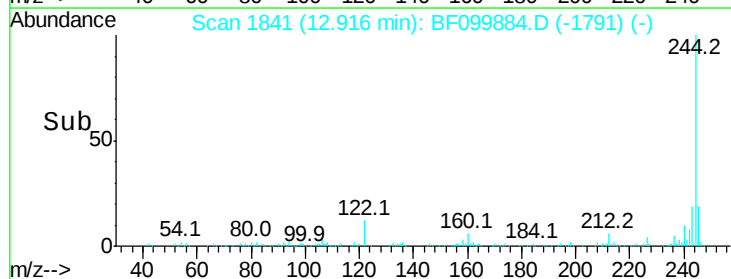
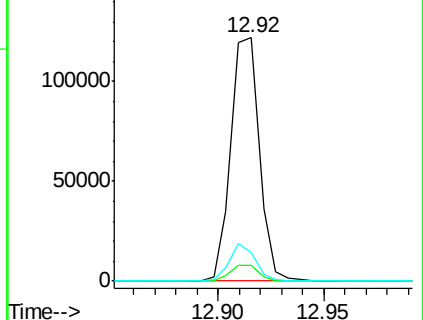
122 11.6 11.0 16.4

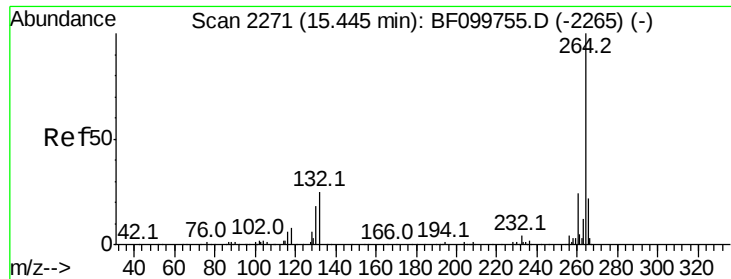


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

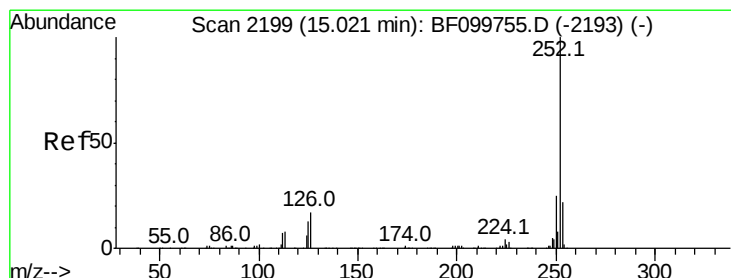
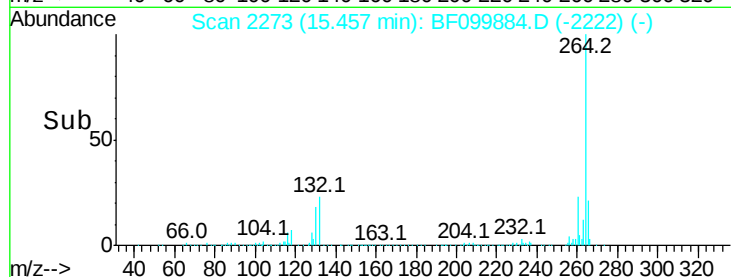
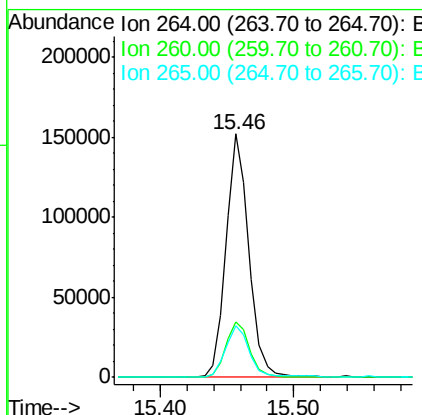
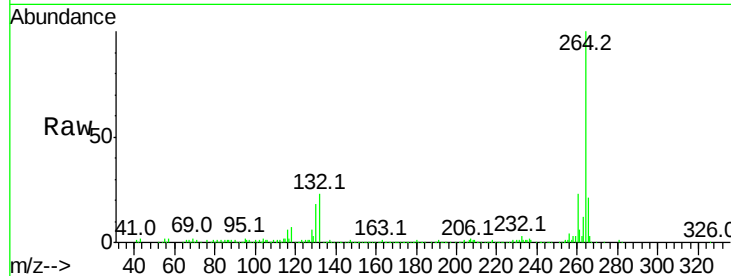




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF099884.D
Acq: 27 Oct 2017 18:23

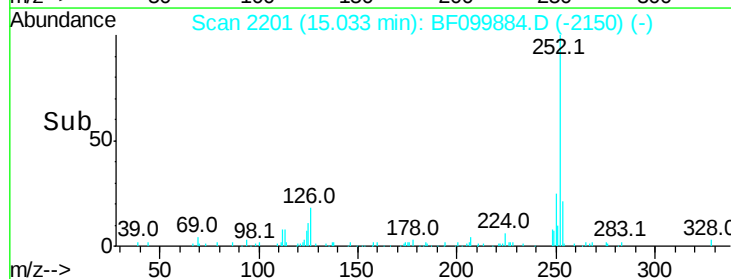
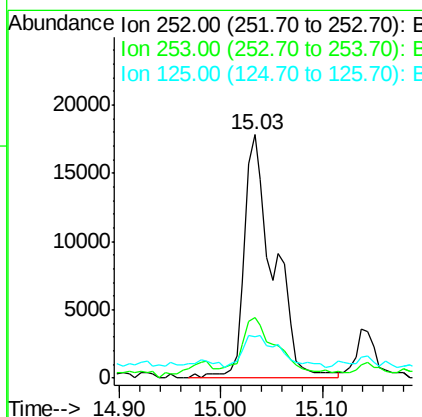
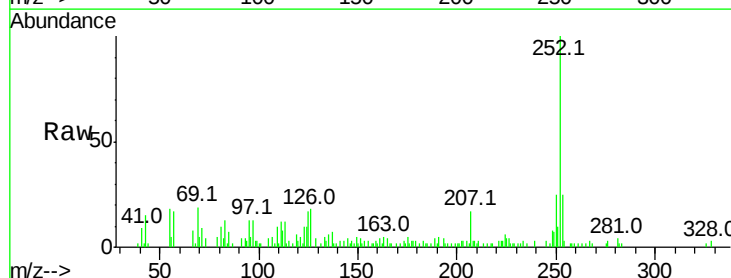
Instrument :
BNA_F
ClientSampleId :

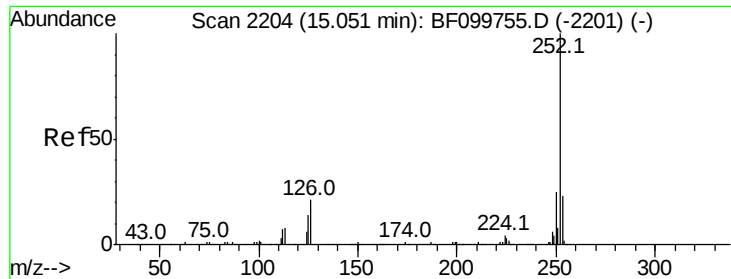
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.075 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099884.D
Acq: 27 Oct 2017 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	17.2	9.0	13.6





#88
 Benzo(k)fluoranthene
 Concen: 3.261 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.03 min
 Lab File: BF099884.D
 Acq: 27 Oct 2017 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	17.2	10.2	15.2

