

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099730.D
 Acq On : 21 Oct 2017 16:21
 Operator : SJ/JU
 Sample : I5950-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:45:54 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	96691	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	399949	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	181845	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	304300	20.00	ng	0.00
75) Chrysene-d12	13.98	240	174649	20.00	ng	0.00
86) Perylene-d12	15.44	264	173601	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	46534	7.66	ng	0.00
7) Phenol-d6	6.46	99	189149	25.24	ng	0.00
23) Nitrobenzene-d5	7.38	82	362548	58.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	12361	8.31	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	620412	56.96	ng	0.00
78) Terphenyl-d14	12.92	244	465539	60.62	ng	0.00

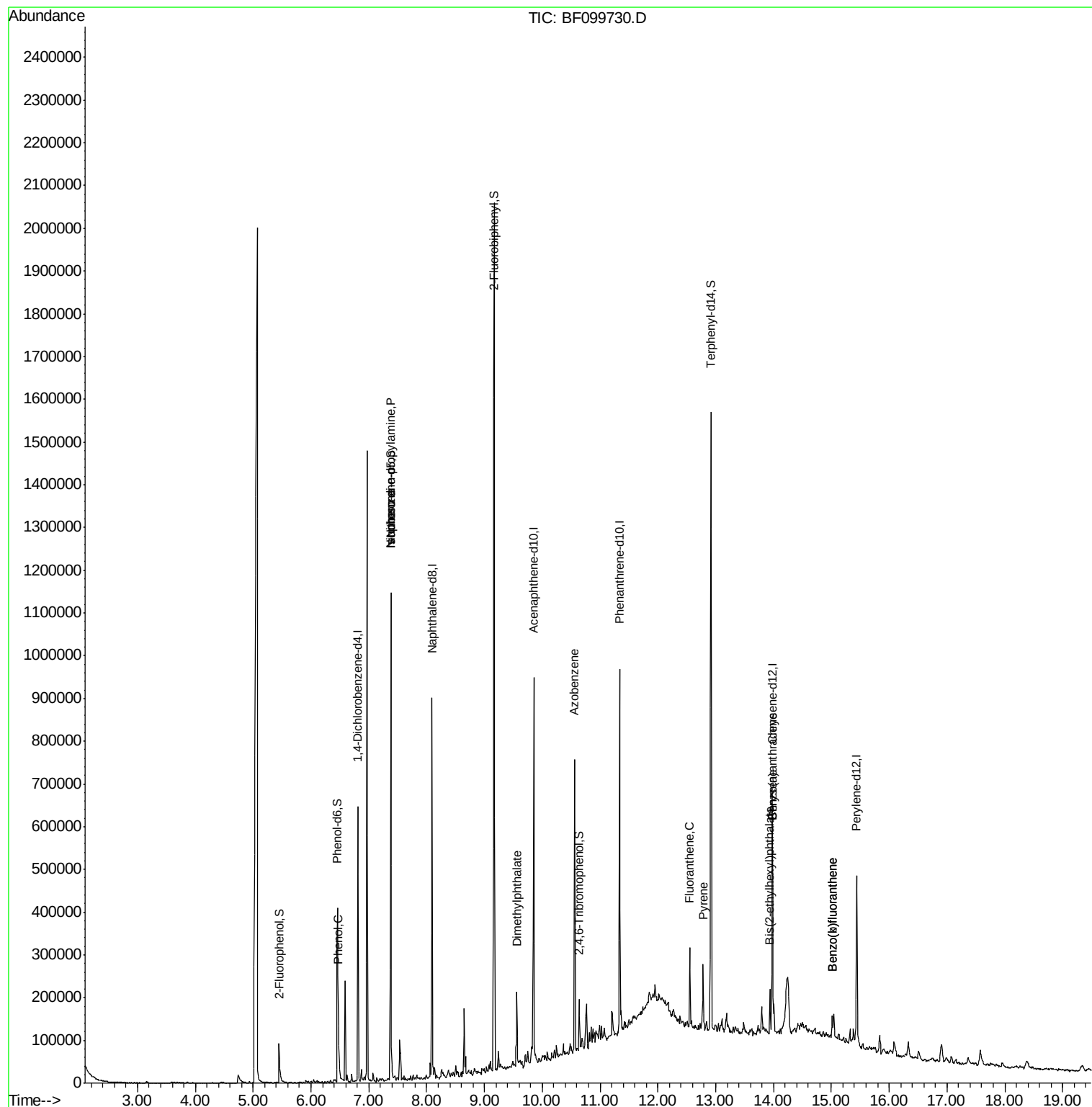
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	22390	2.672	ng	98
19) n-Nitroso-di-n-propylamine	7.38	70	45056	9.418	ng	# 73
25) Isophorone	7.38	82	362548	28.117	ng	# 64
49) Dimethylphthalate	9.56	163	57841	4.214	ng	98
62) Azobenzene	10.56	77	111657	9.055	ng	# 1
74) Fluoranthene	12.55	202	68869	4.175	ng	98
77) Pyrene	12.78	202	56193	4.219	ng	98
80) Benzo(a)anthracene	13.97	228	23960	2.266	ng	97
82) Chrysene	13.97	228	23960	2.380	ng	95
83) Bis(2-ethylhexyl)phthalate	13.94	149	27970	3.245	ng	97
87) Benzo(b)fluoranthene	15.02	252	36754	3.443	ng	# 87
88) Benzo(k)fluoranthene	15.02	252	36754	3.486	ng	# 90

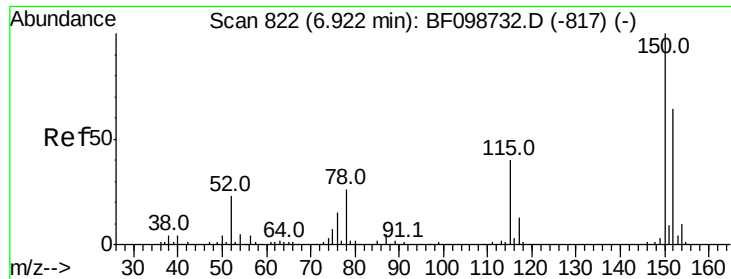
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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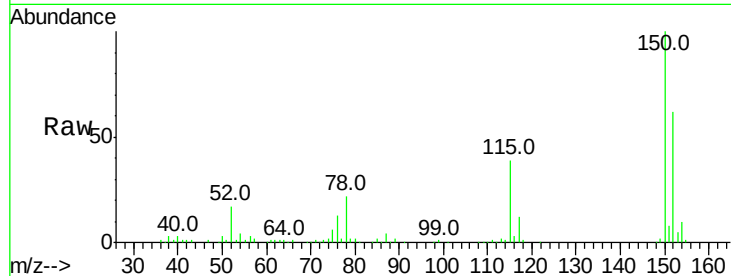


#1

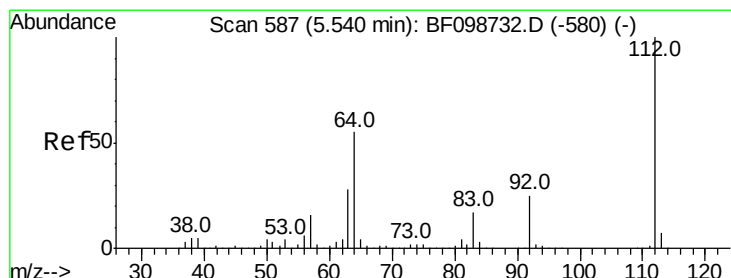
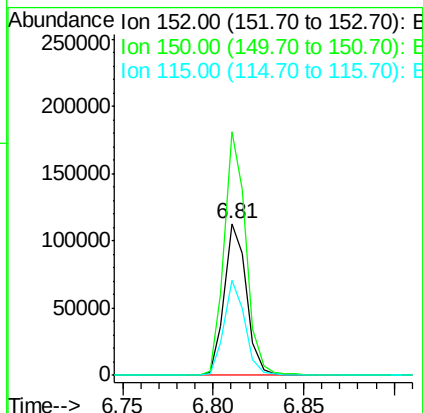
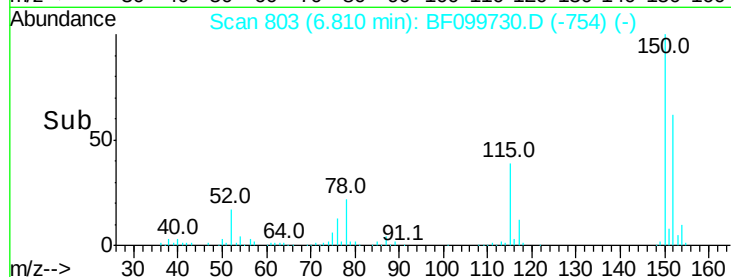
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96691
Ion Ratio Lower Upper
152 100
150 160.7 124.6 186.8
115 62.5 50.1 75.1



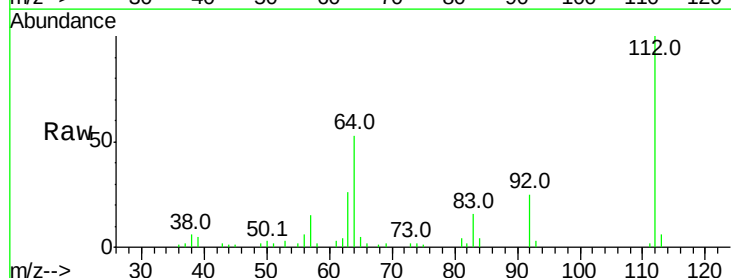
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



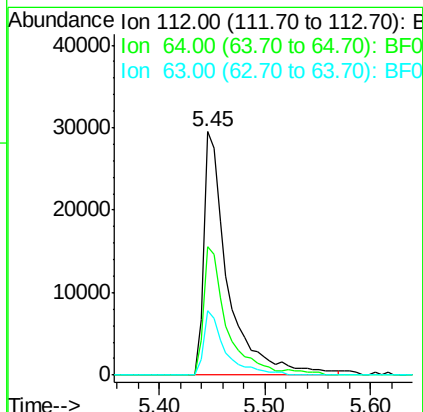
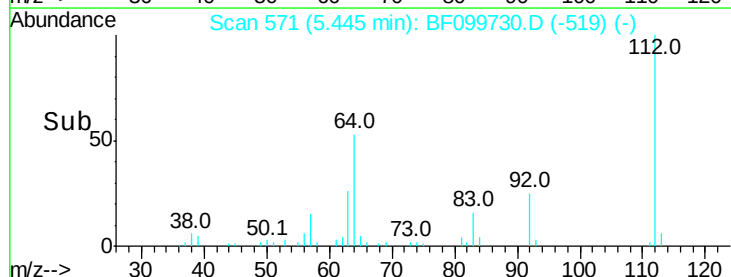
#5

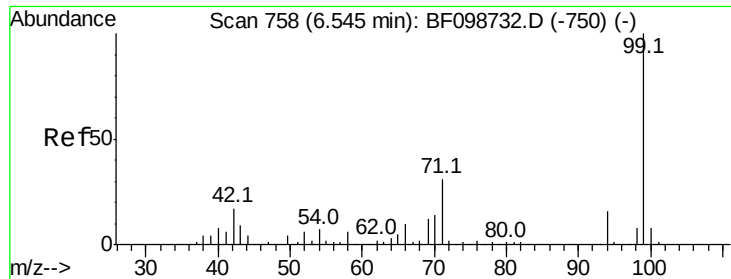
2-Fluorophenol
Concen: 7.661 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Tgt Ion:112 Resp: 46534
Ion Ratio Lower Upper
112 100
64 52.6 47.9 71.9
63 26.3 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: 25.244 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

Instrument :

BNA_F

ClientSampleId :

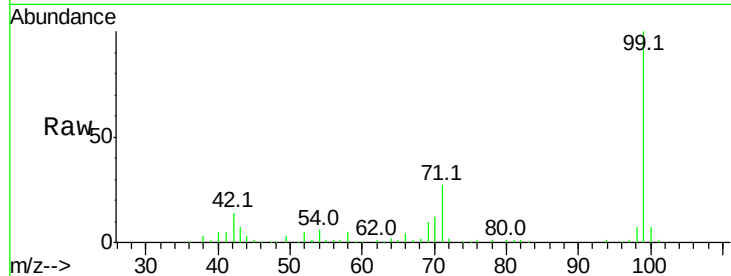
Tot Ion: 99 Resp: 189149

Ion Ratio Lower Upper

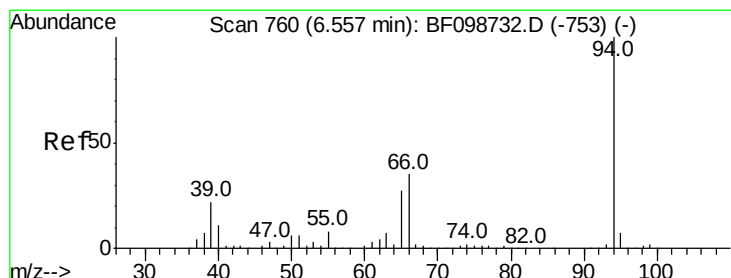
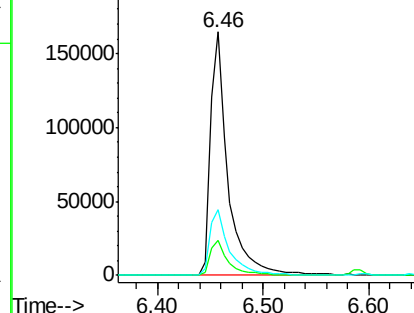
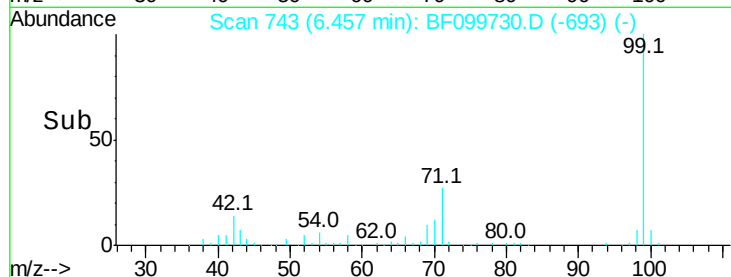
99 100

42 14.3 14.5 21.7#

71 27.1 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



#10

Phenol

Concen: 2.672 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

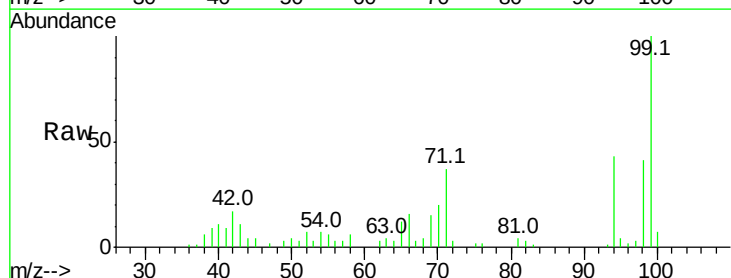
Tgt Ion: 94 Resp: 22390

Ion Ratio Lower Upper

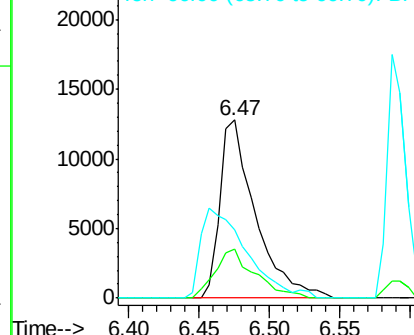
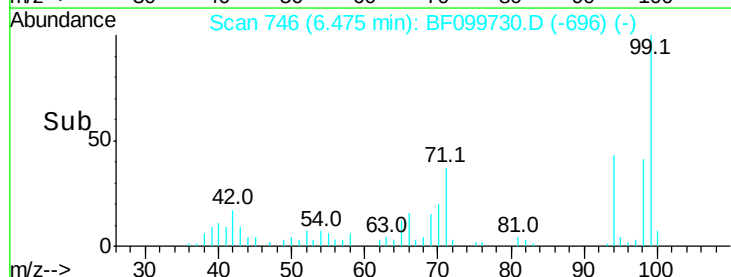
94 100

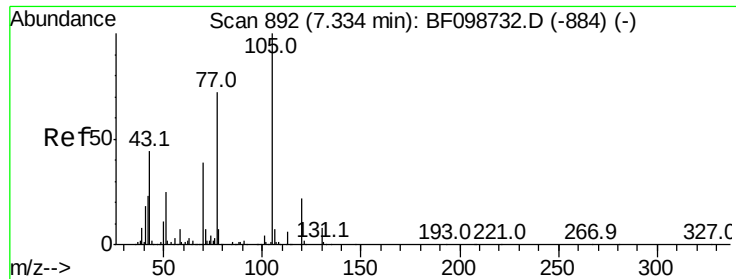
65 27.9 7.9 47.9

66 38.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

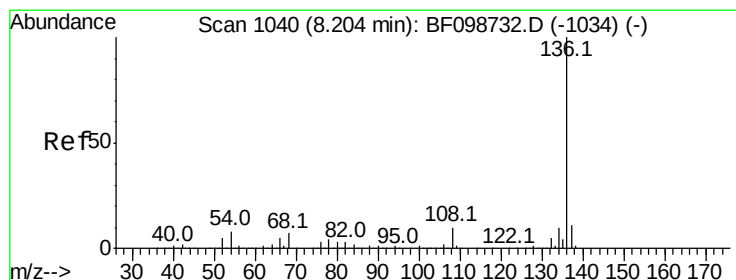
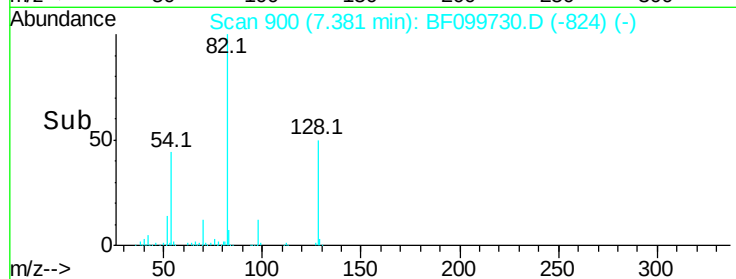
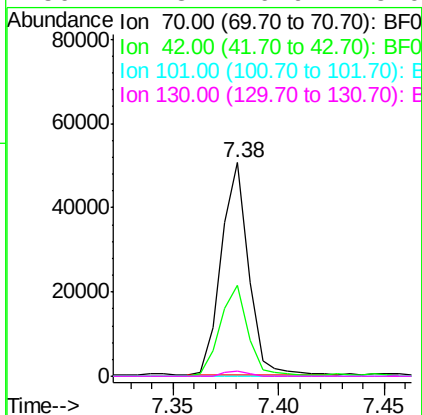
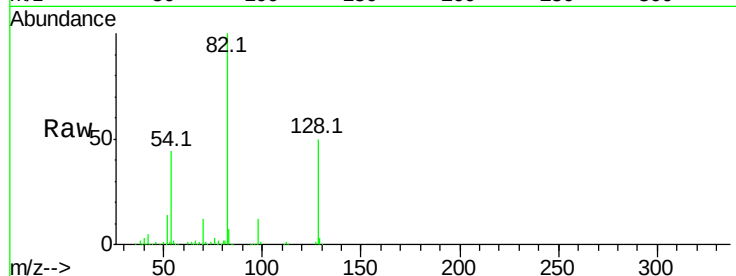




#19
n-Nitroso-di-n-propylamine
Concen: 9.418 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

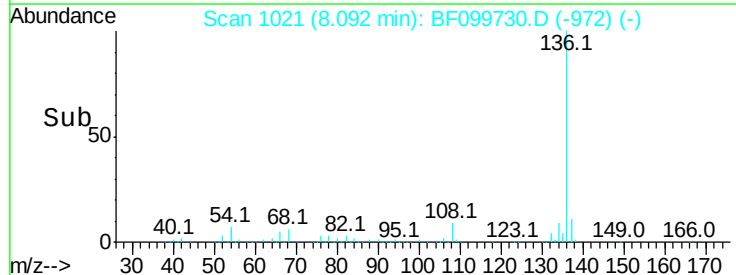
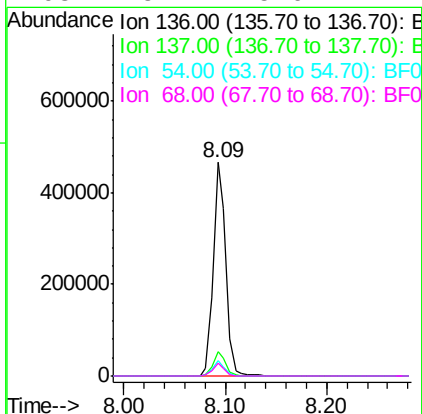
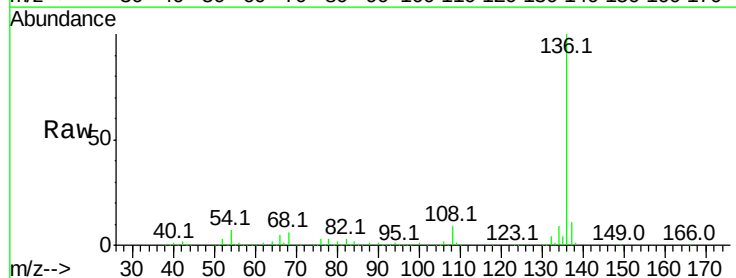
Instrument :
BNA_F
ClientSampleId :

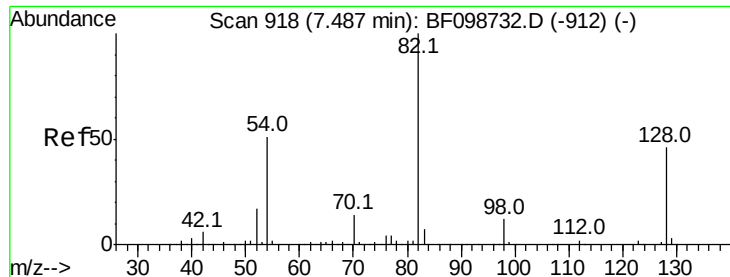
Tot Ion:	70	Resp:	45056
Ion	Ratio	Lower	Upper
70	100		
42	42.4	47.5	71.3#
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Tgt Ion:	136	Resp:	399949
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.2	6.6	9.8
68	5.7	5.0	7.4

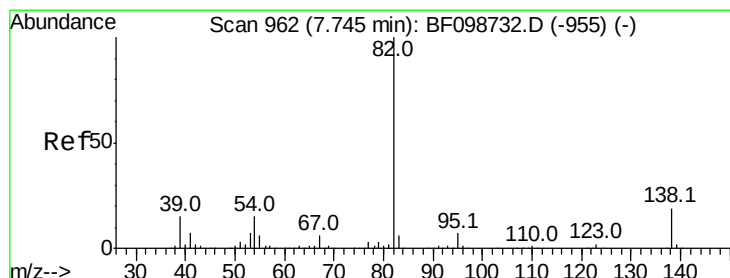
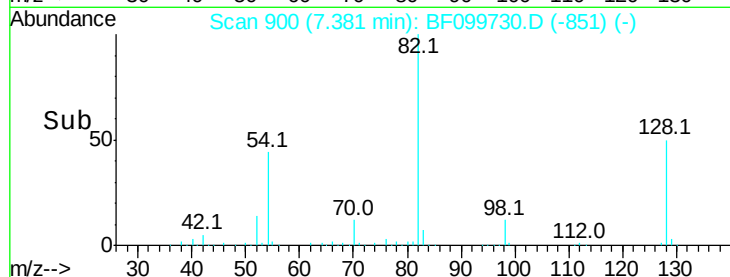
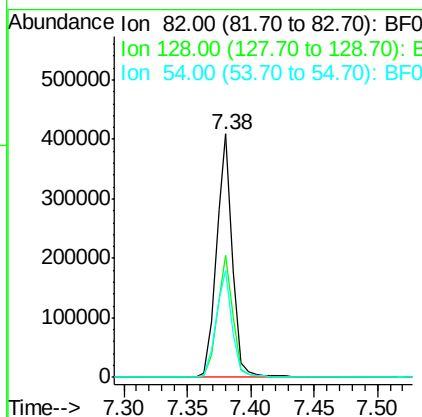
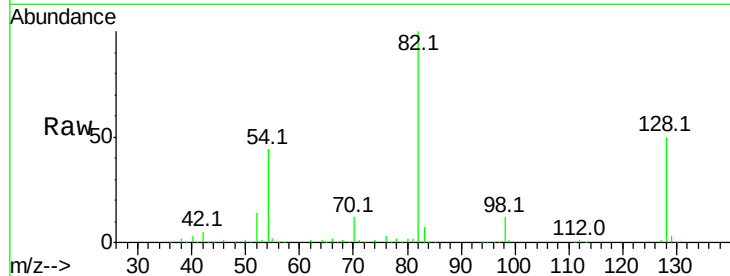




#23
 Nitrobenzene-d5
 Concen: 58.133 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF099730.D
 Acq: 21 Oct 2017 16:21

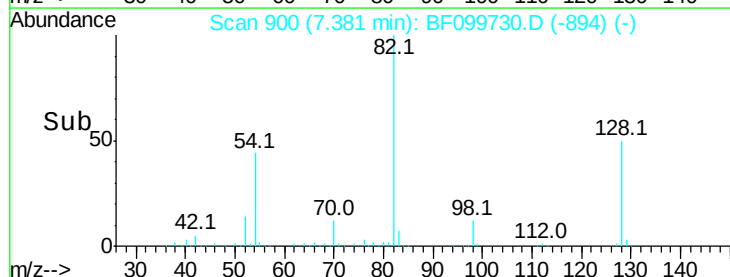
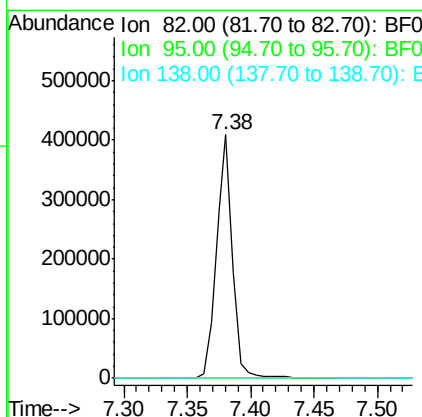
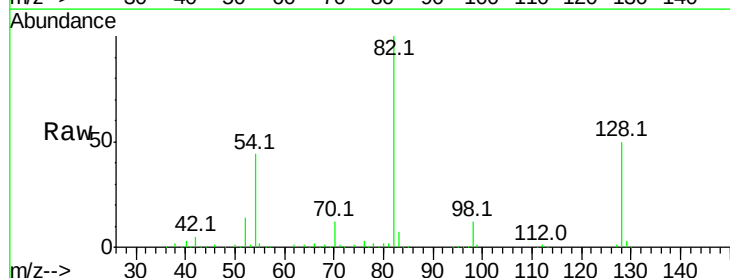
Instrument :
 BNA_F
 ClientSampled :

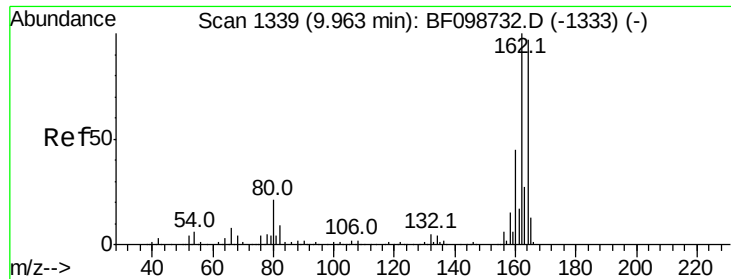
Tot Ion	82	Resp	362548
Ion	Ratio	Lower	Upper
82	100		
128	50.1	36.1	54.1
54	43.7	41.4	62.2



#25
 Isophorone
 Concen: 28.117 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF099730.D
 Acq: 21 Oct 2017 16:21

Tgt Ion	82	Resp	362548
Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#

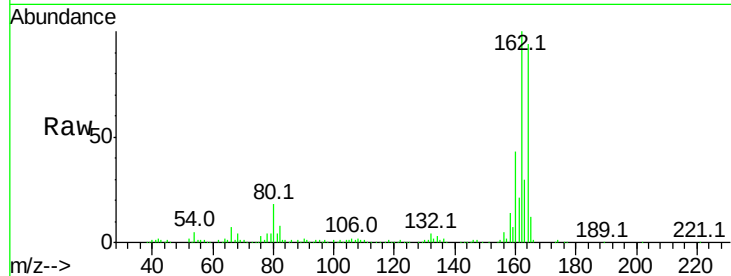




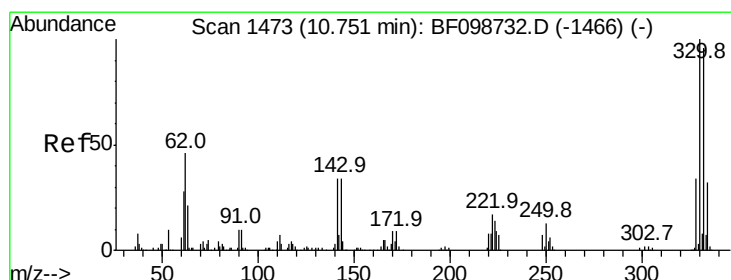
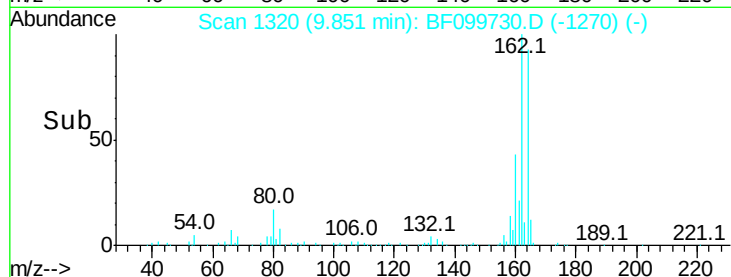
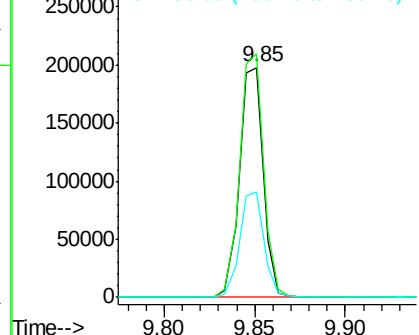
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 181845
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 45.7 38.3 57.5

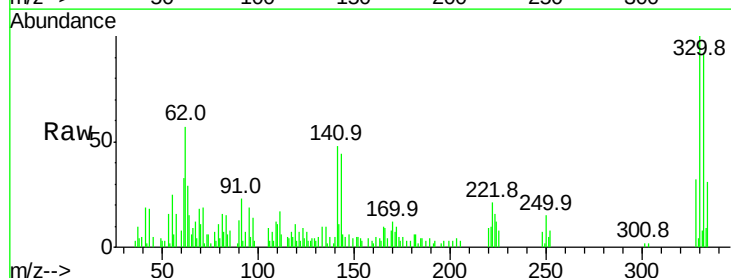


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

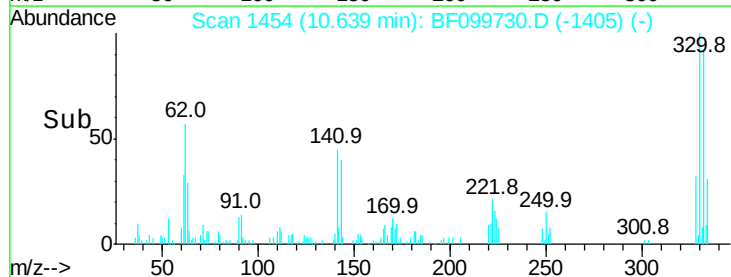
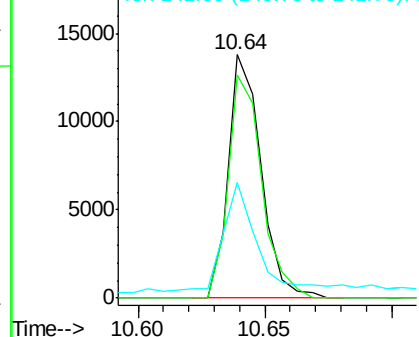


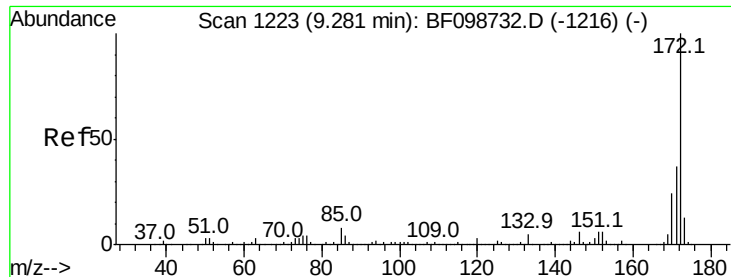
#41
2,4,6-Tribromophenol
Concen: 8.307 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Tgt Ion:330 Resp: 12361
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.6
141 52.7 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

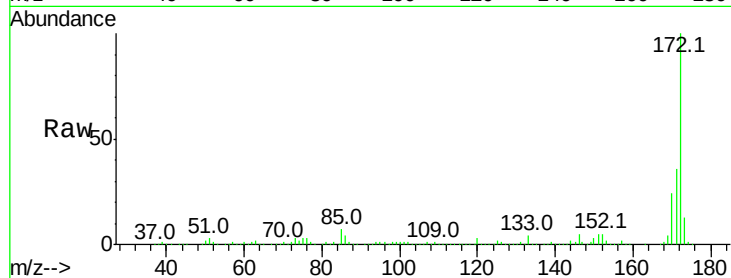




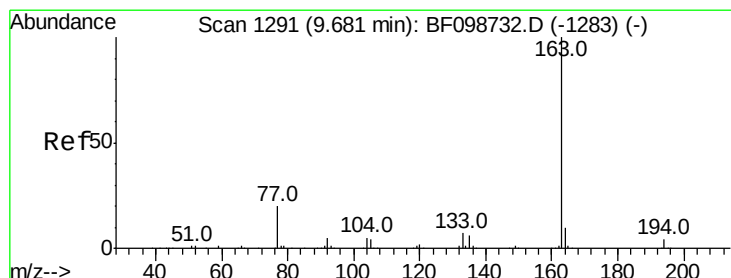
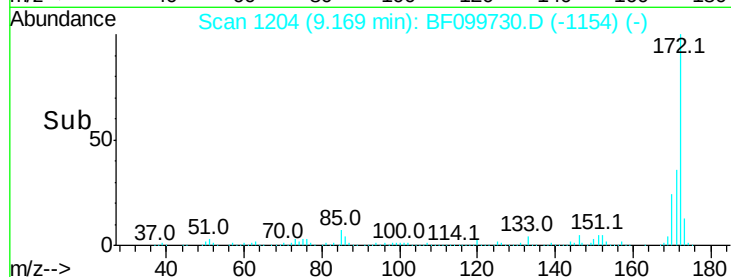
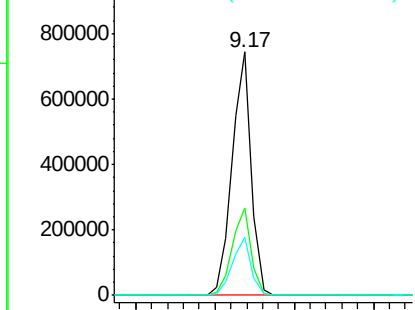
#44
2-Fluorobiphenyl
Concen: 56.957 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 620412
Ion Ratio Lower Upper
172 100
171 36.2 29.7 44.5
170 23.6 19.6 29.4

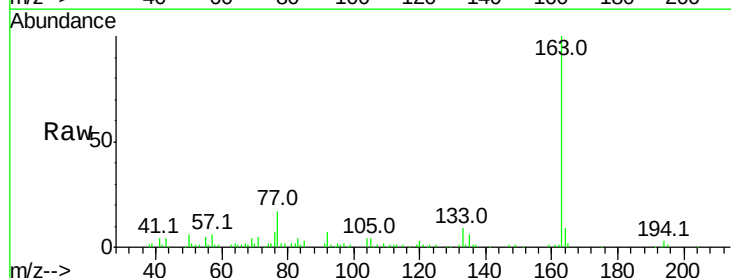


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

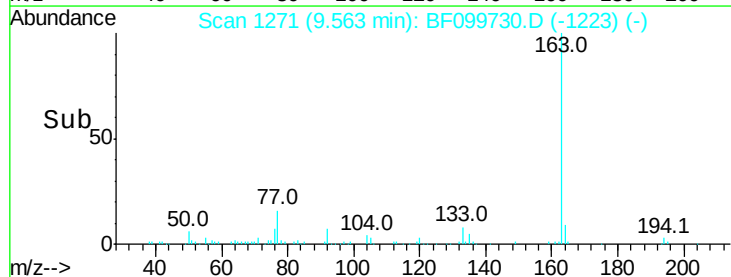
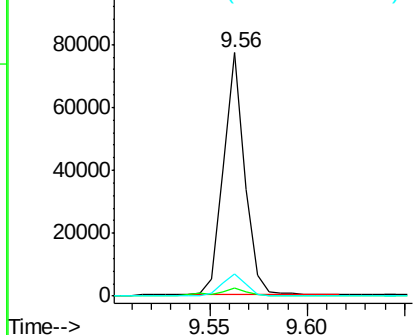


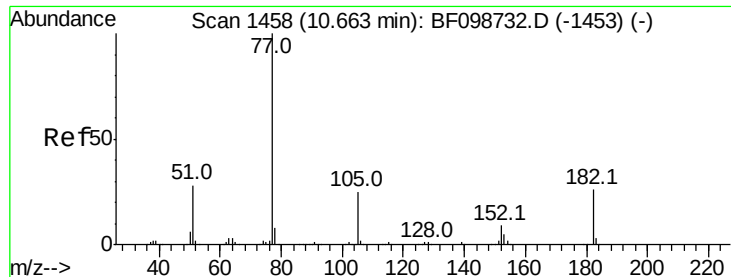
#49
Dimethylphthalate
Concen: 4.214 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Tgt Ion:163 Resp: 57841
Ion Ratio Lower Upper
163 100
194 3.5 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





#62

Azobenzene

Concen: 9.055 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 111657

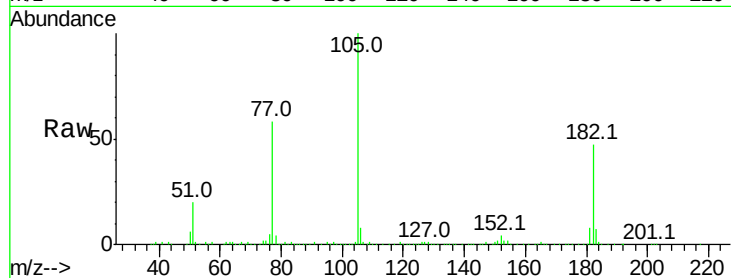
Ion Ratio Lower Upper

77 100

182 80.3 1.7 41.7#

105 172.7 3.0 43.0#

51 33.8 9.9 49.9

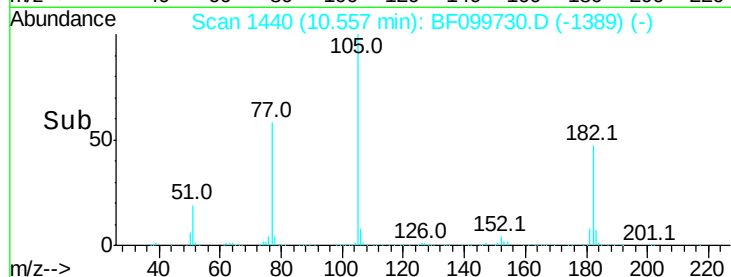


Abundance Ion 77.00 (76.70 to 77.70): BF0

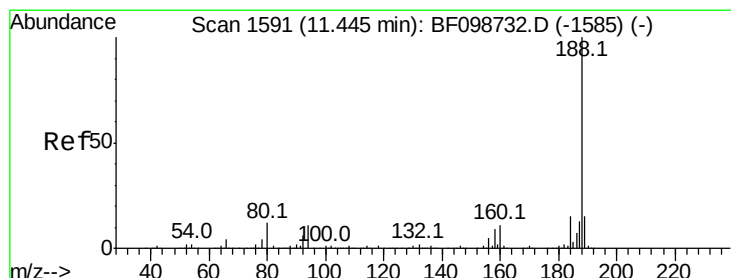
Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



Time--> 10.50 10.55 10.60



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

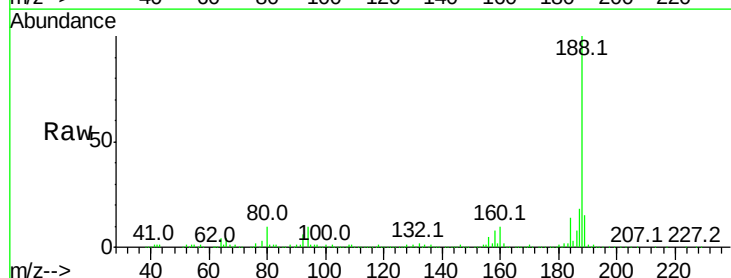
Tgt Ion: 188 Resp: 304300

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

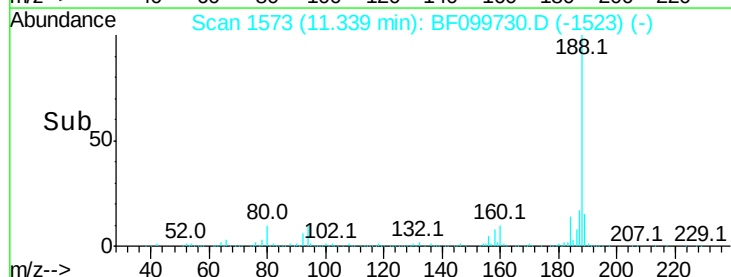
80 10.0 9.2 13.8



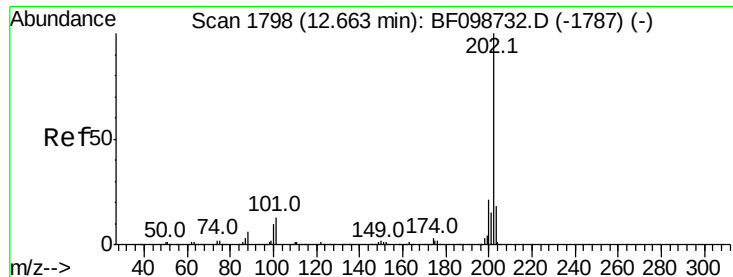
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.25 11.30 11.35 11.40



#74

Fluoranthene

Concen: 4.175 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

Instrument :

BNA_F

ClientSampleId :

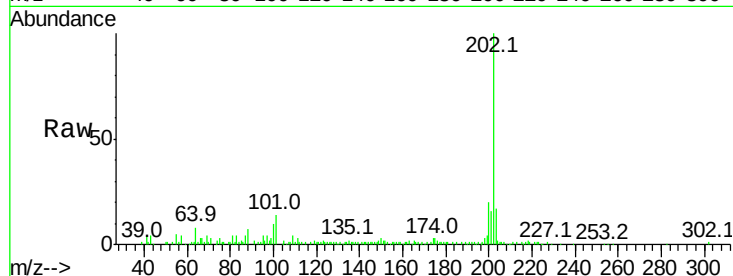
Tot Ion:202 Resp: 68869

Ion Ratio Lower Upper

202 100

101 13.7 0.0 34.1

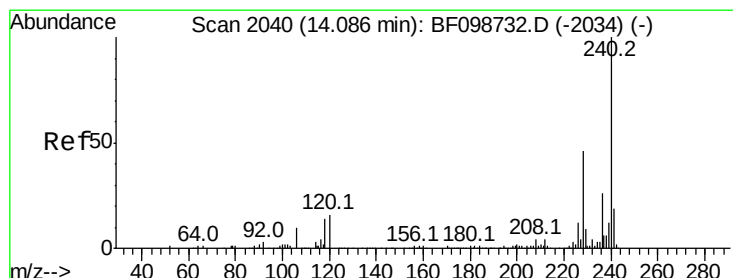
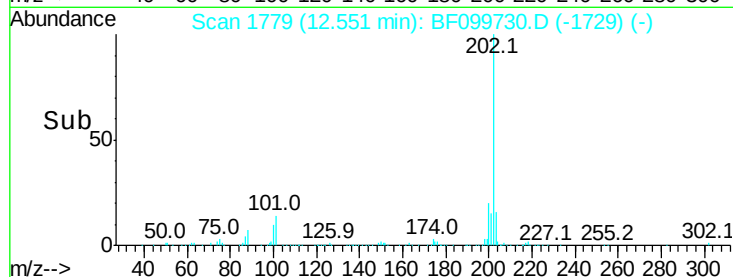
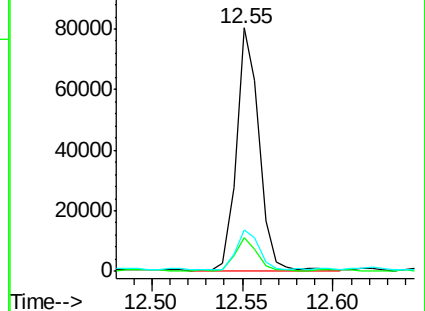
203 16.8 0.0 38.1



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: BF099730.D

Acq: 21 Oct 2017 16:21

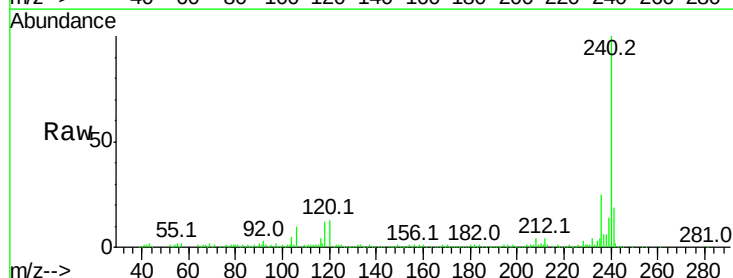
Tgt Ion:240 Resp: 174649

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

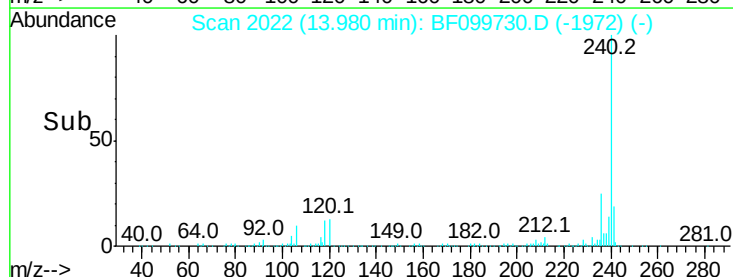
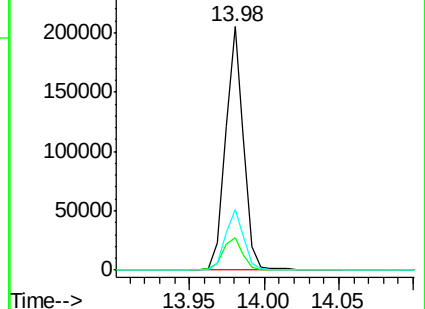
236 24.6 20.7 31.1

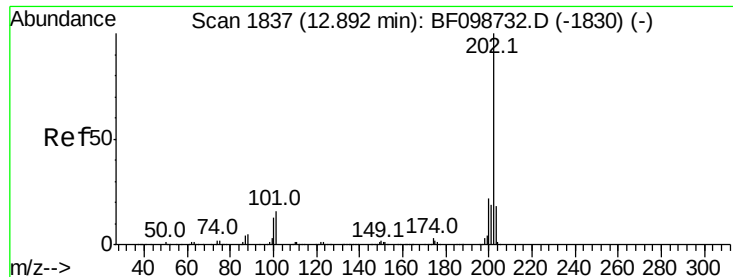


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.219 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

Instrument :

BNA_F

ClientSampleId :

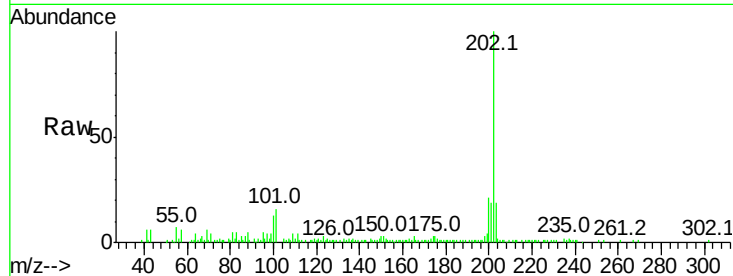
Tot Ion:202 Resp: 56193

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

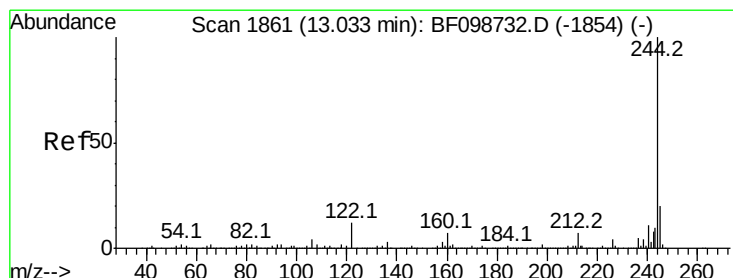
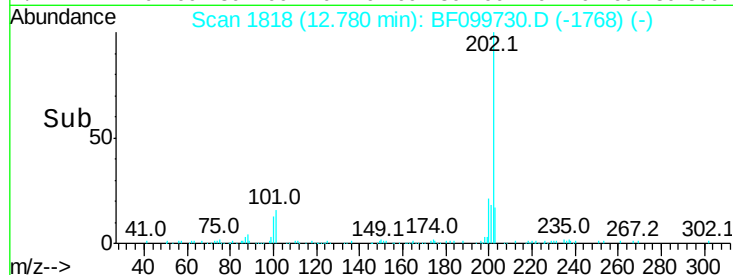
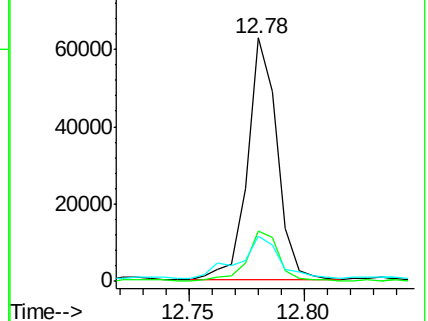
203 18.8 14.3 21.5



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: 60.620 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

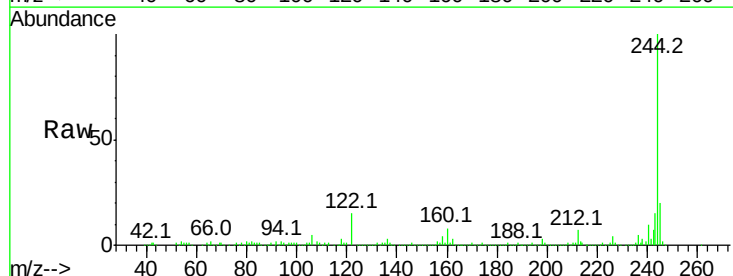
Tgt Ion:244 Resp: 465539

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

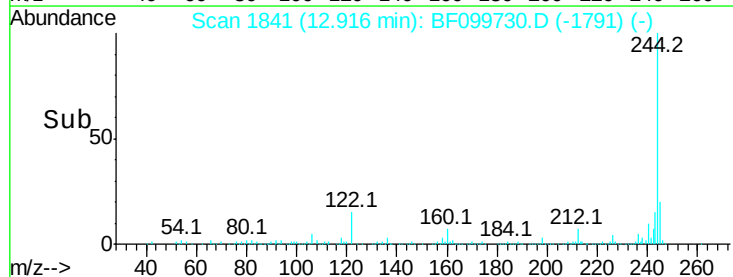
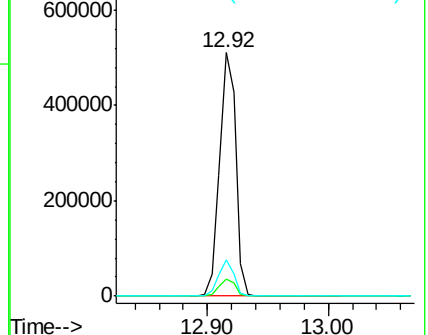
122 15.0 11.0 16.4

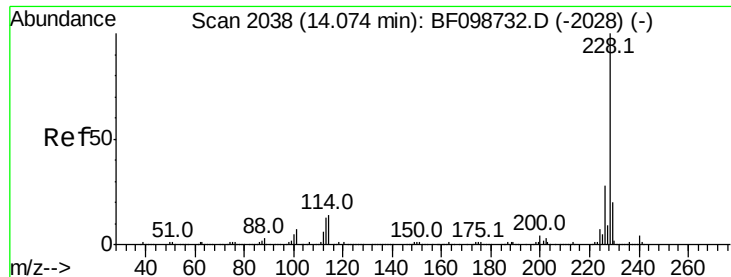


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.266 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

Instrument :

BNA_F

ClientSampleId :

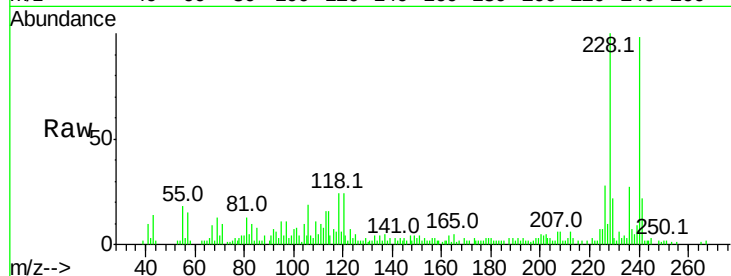
Tot Ion:228 Resp: 23960

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

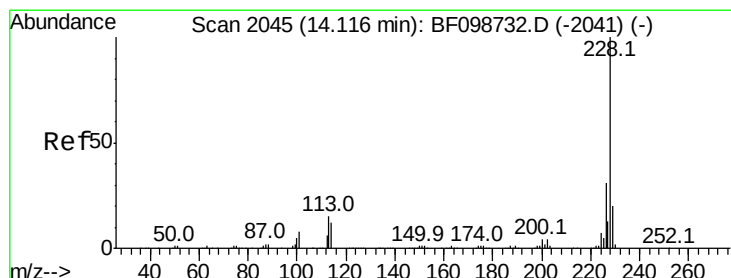
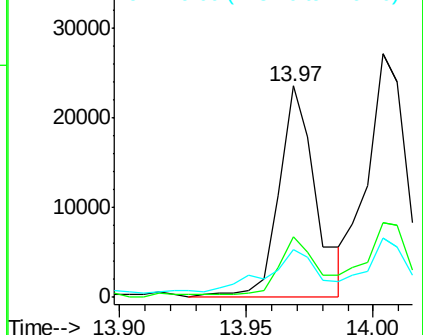
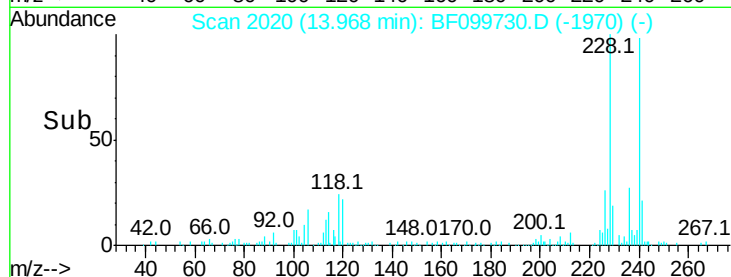
229 22.3 15.8 23.6



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: 2.380 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.05 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

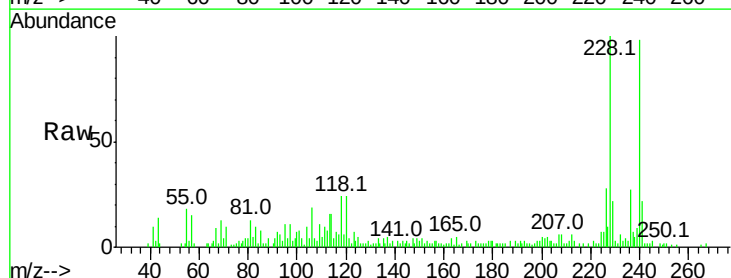
Tgt Ion:228 Resp: 23960

Ion Ratio Lower Upper

228 100

226 28.5 25.0 37.6

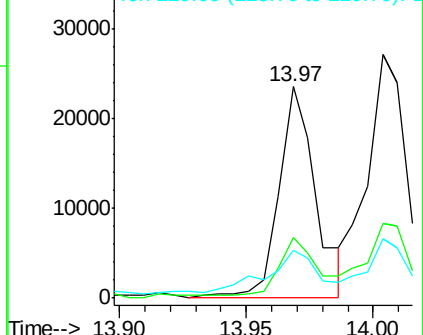
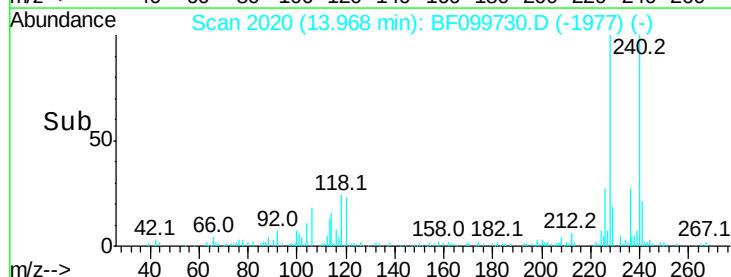
229 22.3 16.2 24.4

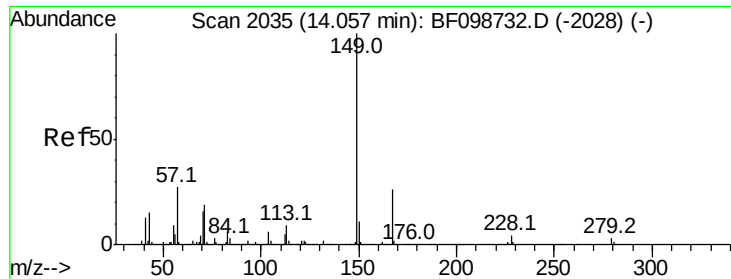


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.245 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

Instrument :

BNA_F

ClientSampleId :

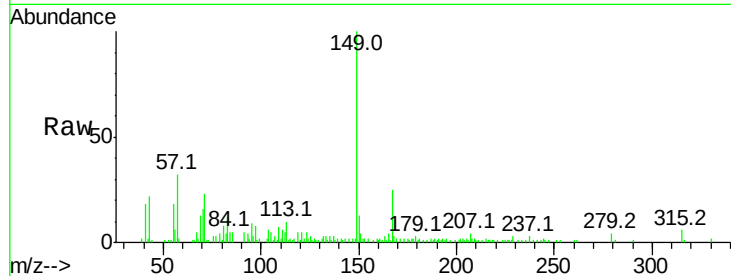
Tot Ion:149 Resp: 27970

Ion Ratio Lower Upper

149 100

167 25.1 21.3 31.9

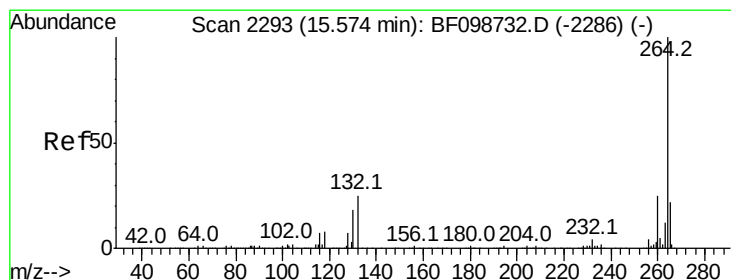
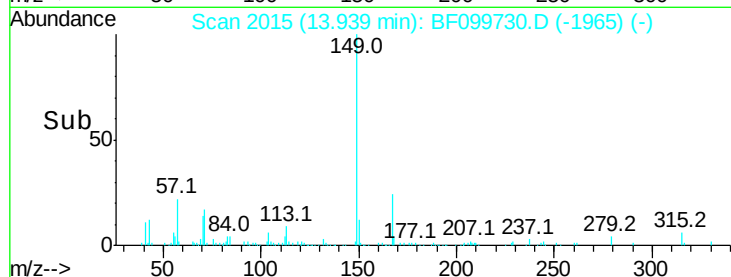
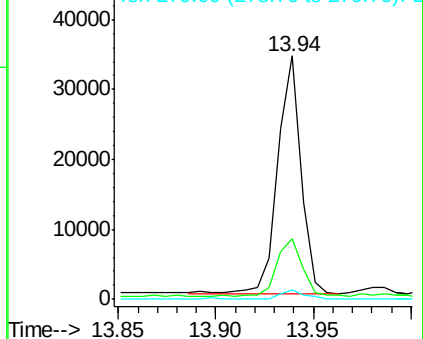
279 3.7 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF099730.D

Acq: 21 Oct 2017 16:21

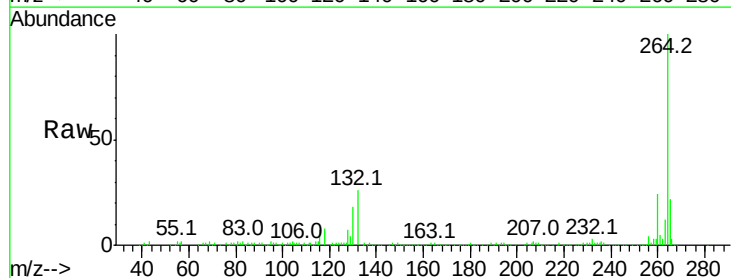
Tgt Ion:264 Resp: 173601

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

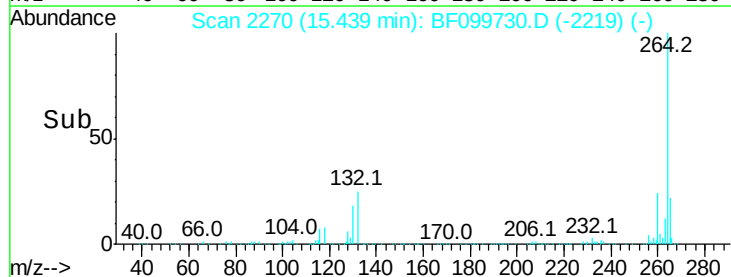
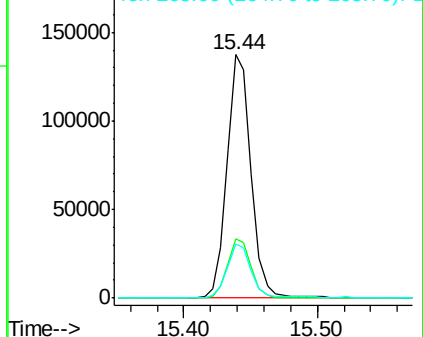
265 22.1 17.5 26.3

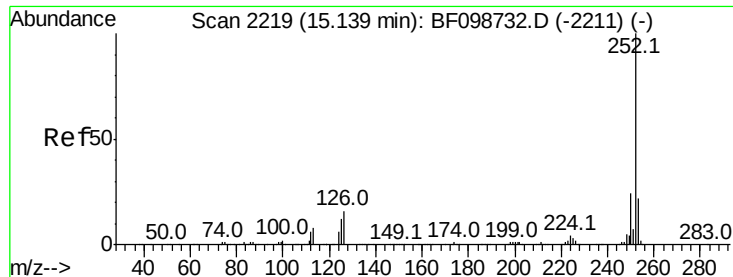


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

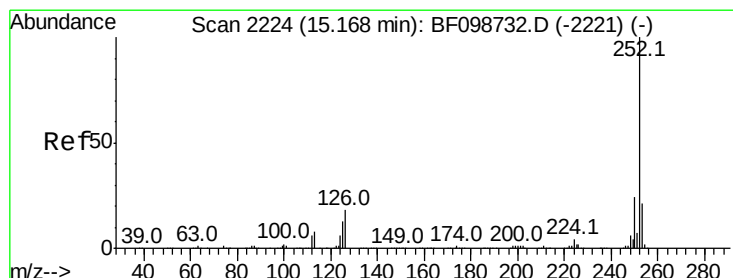
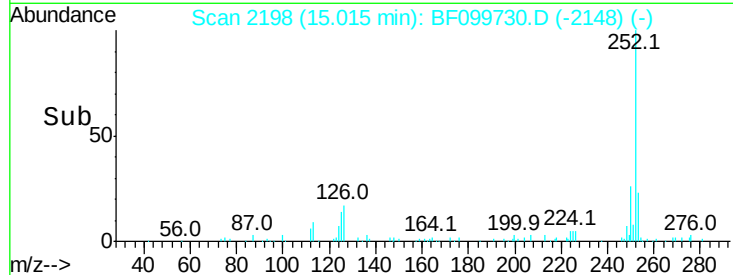
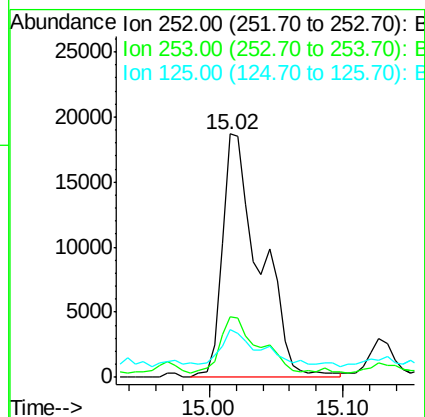
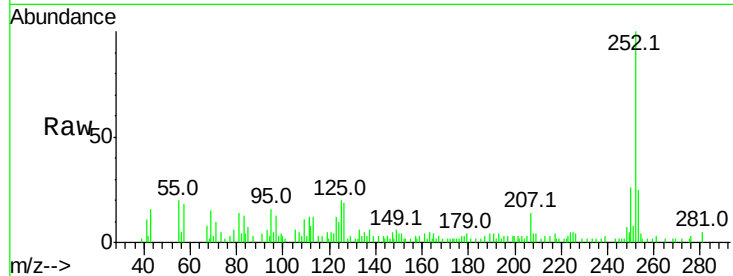




#87
Benzo(b)fluoranthene
Concen: 3.443 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	19.7	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.486 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF099730.D
Acq: 21 Oct 2017 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	19.7	10.2	15.2#

