

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099731.D
 Acq On : 21 Oct 2017 16:49
 Operator : SJ/JU
 Sample : I5950-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:46:18 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	98916	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	413019	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	185581	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	304861	20.00	ng	0.00
75) Chrysene-d12	13.98	240	171993	20.00	ng	0.00
86) Perylene-d12	15.44	264	176072	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	84734	13.64	ng	0.00
7) Phenol-d6	6.45	99	303780	39.63	ng	-0.01
23) Nitrobenzene-d5	7.38	82	409930	63.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	18561	12.22	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	648833	58.37	ng	0.00
78) Terphenyl-d14	12.92	244	484486	64.06	ng	0.00

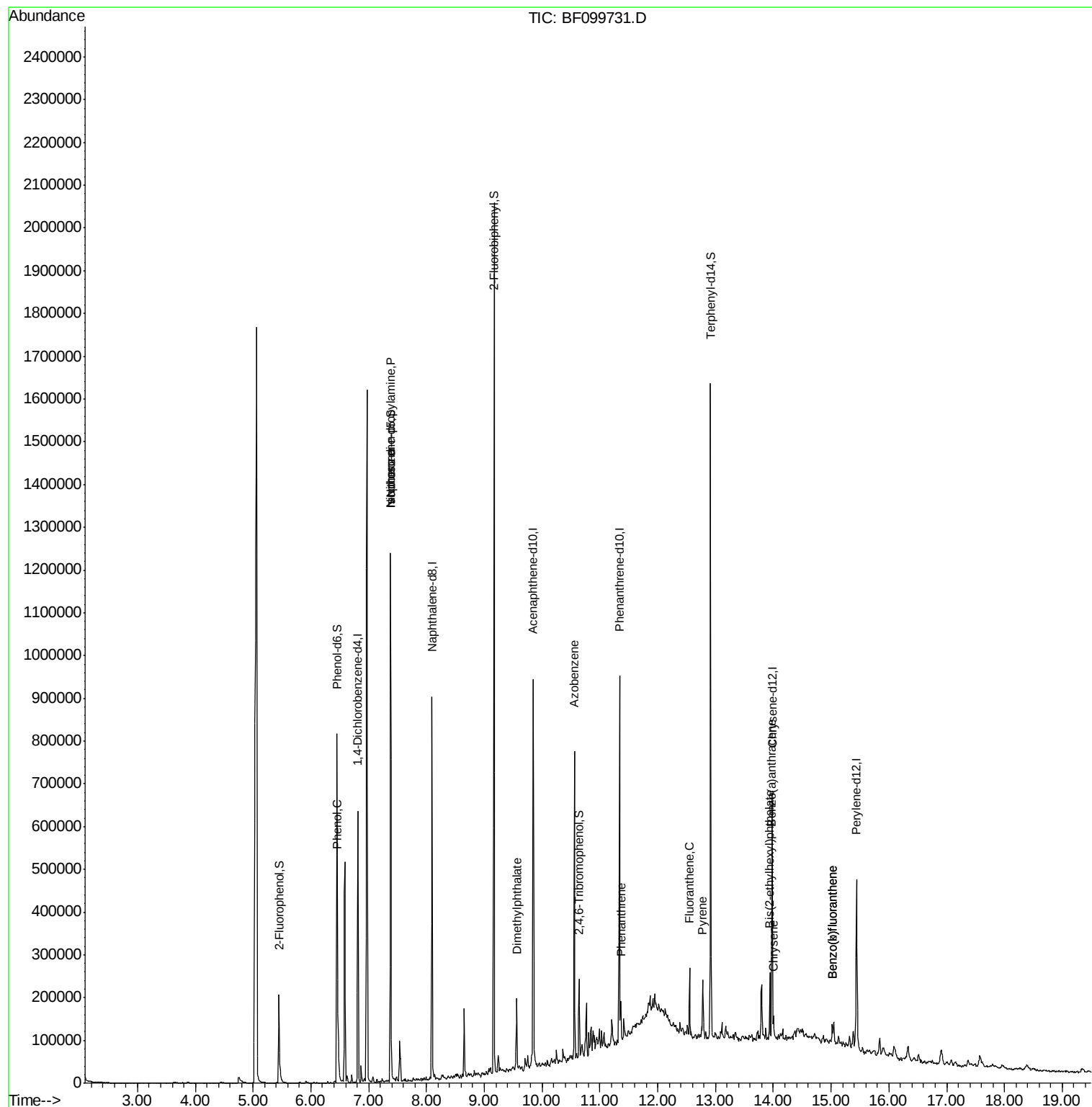
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	26218	3.058	ng	92
19) n-Nitroso-di-n-propylamine	7.38	70	52258	10.678	ng	# 73
25) Isophorone	7.38	82	409930	30.786	ng	# 64
49) Dimethylphthalate	9.56	163	61704	4.405	ng	99
62) Azobenzene	10.56	77	119879	9.526	ng	# 1
70) Phenanthrene	11.36	178	34136	2.092	ng	99
74) Fluoranthene	12.55	202	58545	3.543	ng	99
77) Pyrene	12.78	202	50983	3.887	ng	99
80) Benzo(a)anthracene	13.97	228	24191	2.323	ng	99
82) Chrysene	14.01	228	20899	2.108	ng	95
83) Bis(2-ethylhexyl)phthalate	13.94	149	42816	5.045	ng	99
87) Benzo(b)fluoranthene	15.02	252	32446	2.997	ng	# 90
88) Benzo(k)fluoranthene	15.02	252	32446	3.034	ng	# 93

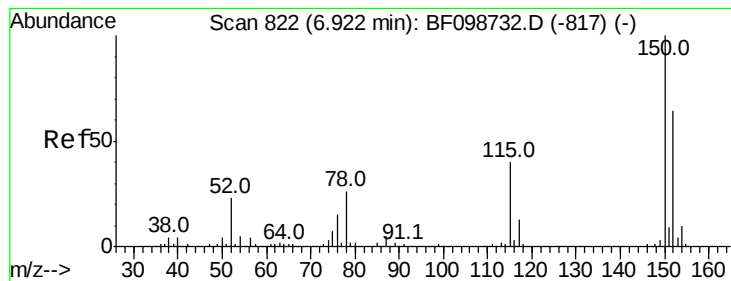
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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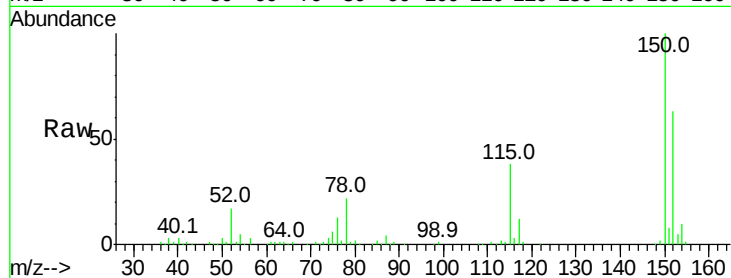


#1

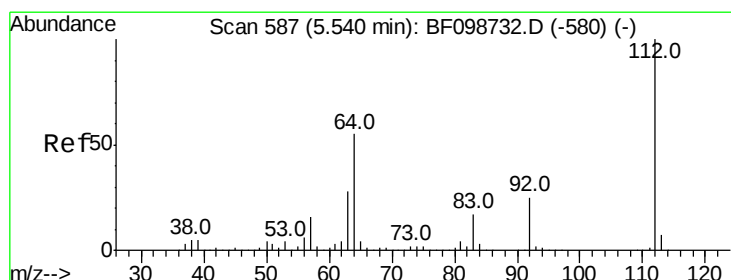
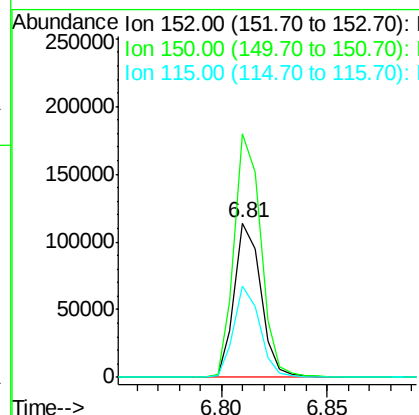
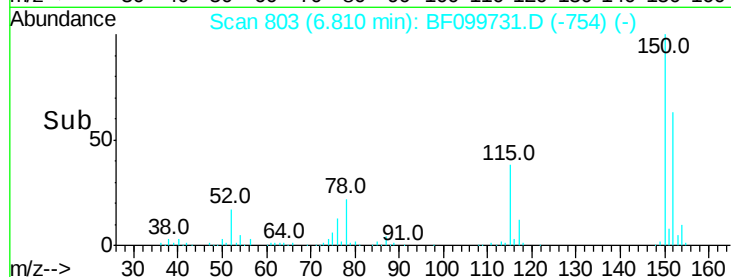
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF099731.D
 Acq: 21 Oct 2017 16:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 98916
 Ion Ratio Lower Upper
 152 100
 150 157.6 124.6 186.8
 115 59.4 50.1 75.1



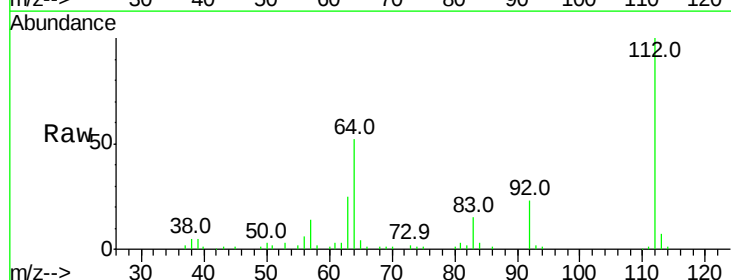
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



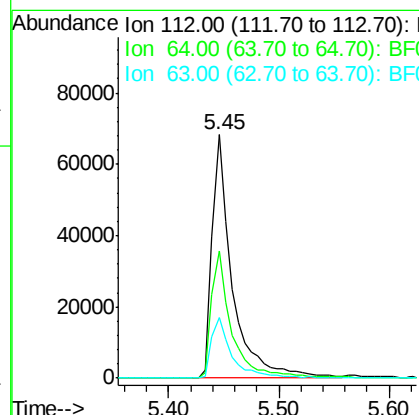
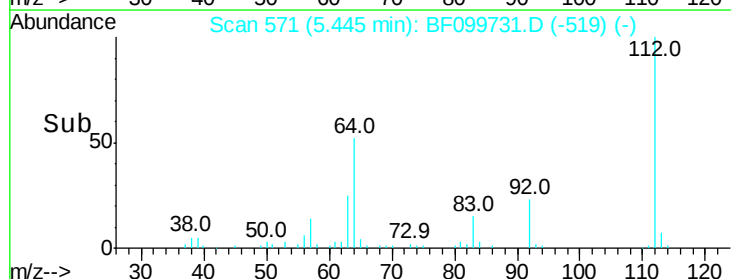
#5

2-Fluorophenol
 Concen: 13.637 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF099731.D
 Acq: 21 Oct 2017 16:49

Tgt Ion:112 Resp: 84734
 Ion Ratio Lower Upper
 112 100
 64 52.3 47.9 71.9
 63 24.7 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: 39.631 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampleId :

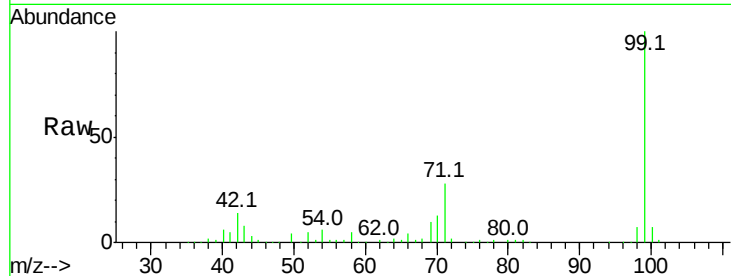
Tot Ion: 99 Resp: 303780

Ion Ratio Lower Upper

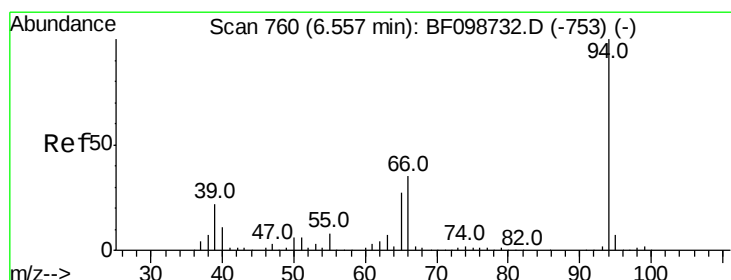
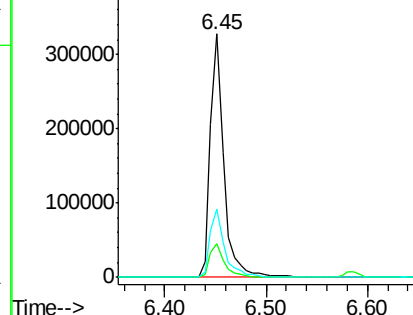
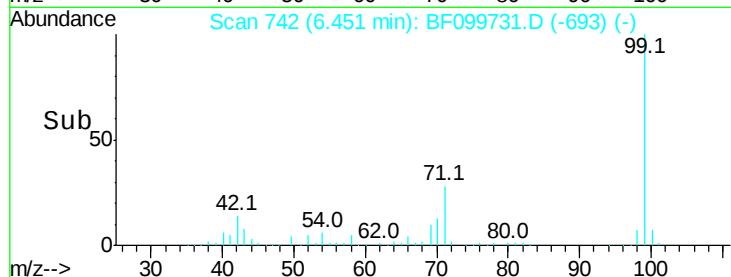
99 100

42 13.9 14.5 21.7#

71 28.2 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: 3.058 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

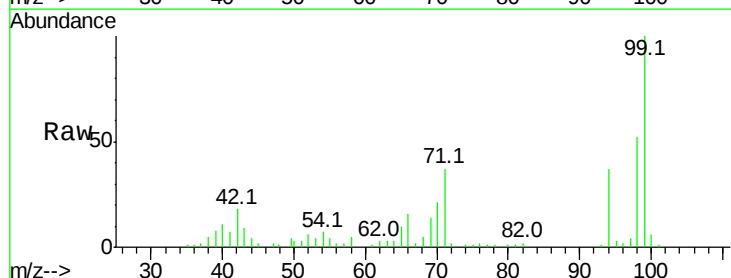
Tgt Ion: 94 Resp: 26218

Ion Ratio Lower Upper

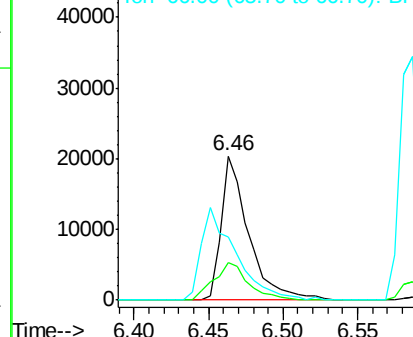
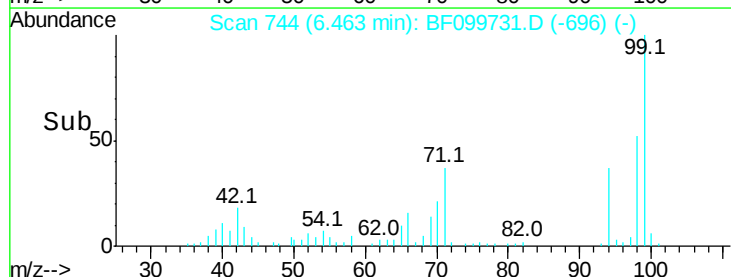
94 100

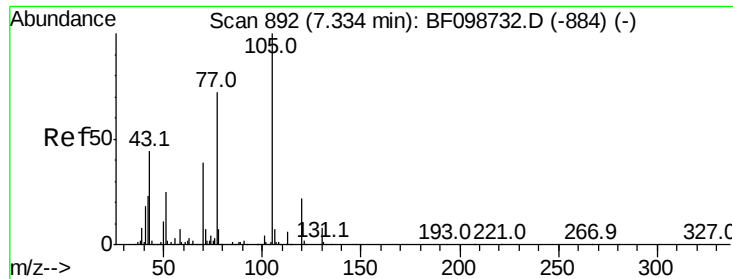
65 26.3 7.9 47.9

66 43.6 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

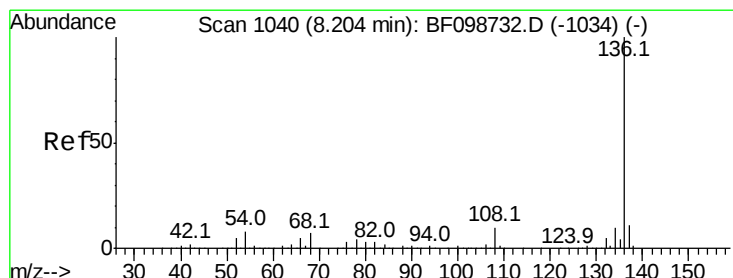
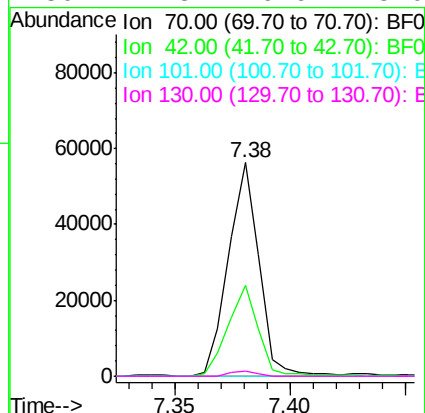
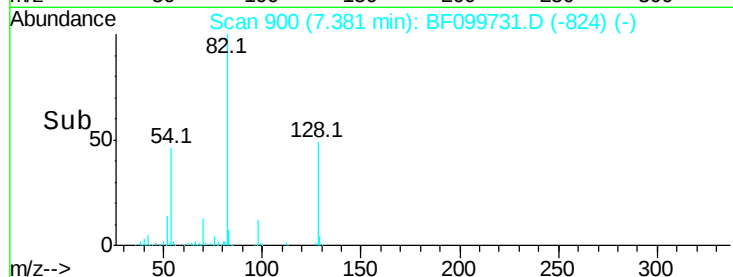
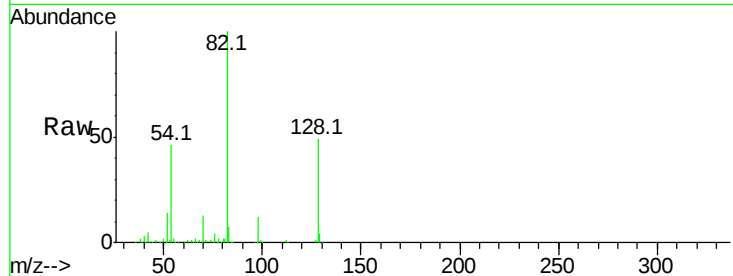




#19
n-Nitroso-di-n-propylamine
Concen: 10.678 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF099731.D
Acq: 21 Oct 2017 16:49

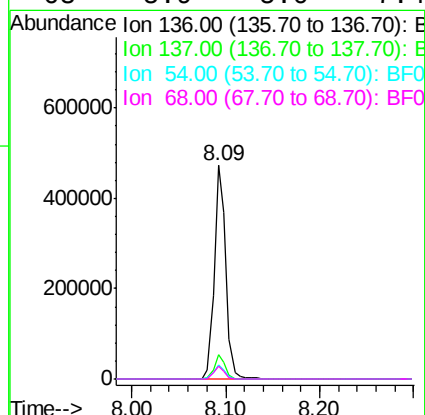
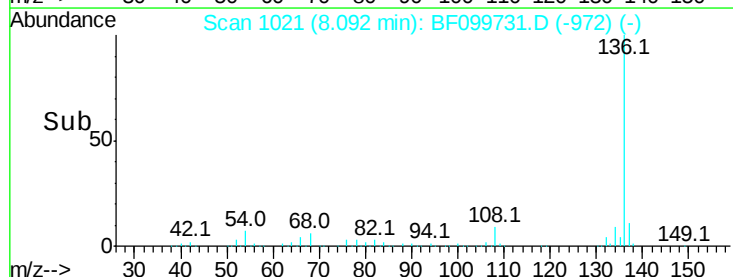
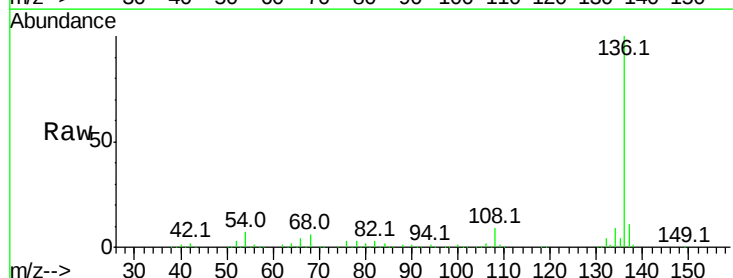
Instrument :
BNA_F
ClientSampleId :

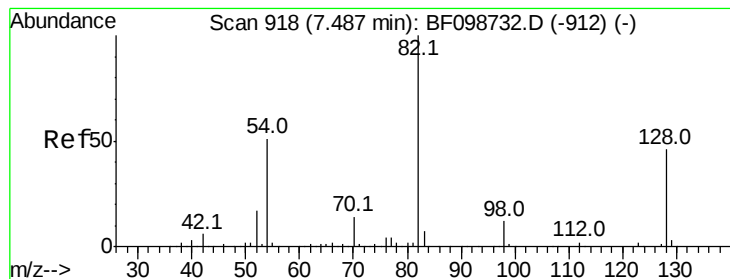
Tot Ion: 70 Resp: 52258
Ion Ratio Lower Upper
70 100
42 42.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099731.D
Acq: 21 Oct 2017 16:49

Tgt Ion:136 Resp: 413019
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.8 6.6 9.8
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 63.651 ng

RT: 7.38 min Scan# 900

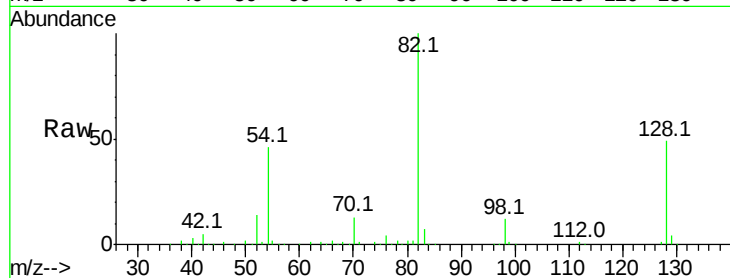
Delta R.T. -0.01 min

Lab File: BF099731.D

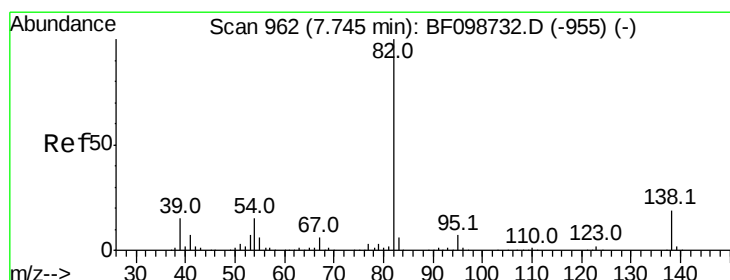
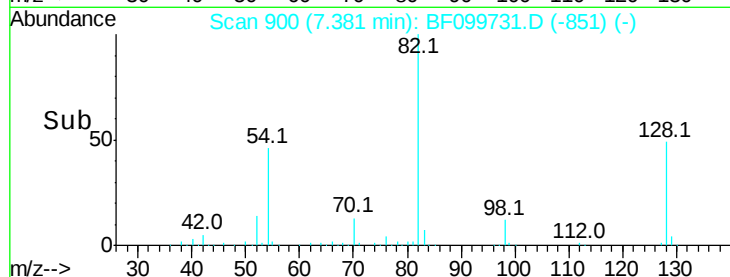
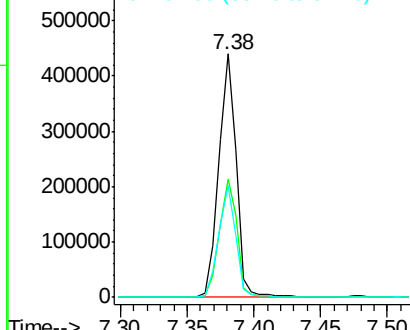
Acq: 21 Oct 2017 16:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:	82	Resp:	409930
Ion	Ratio	Lower	Upper
82	100		
128	48.6	36.1	54.1
54	45.8	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 30.786 ng

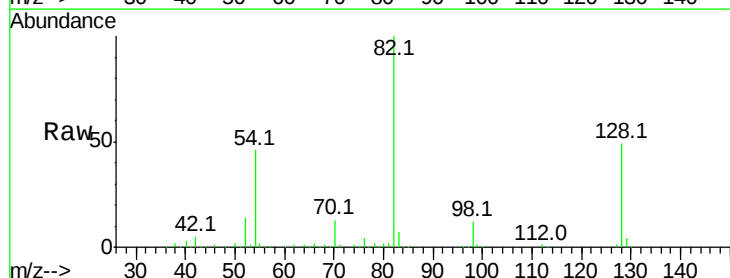
RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

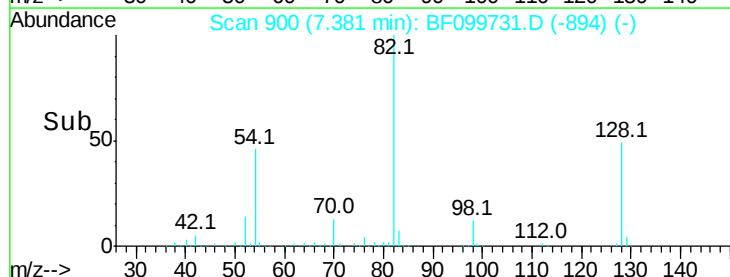
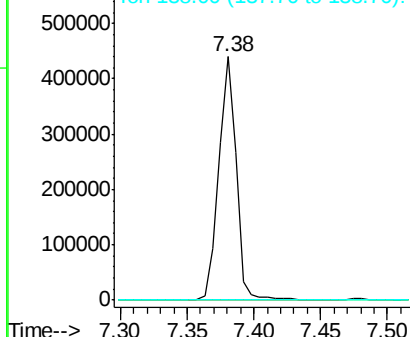
Lab File: BF099731.D

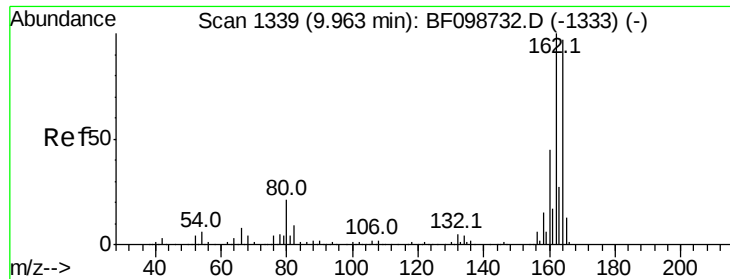
Acq: 21 Oct 2017 16:49

Tgt Ion:	82	Resp:	409930
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

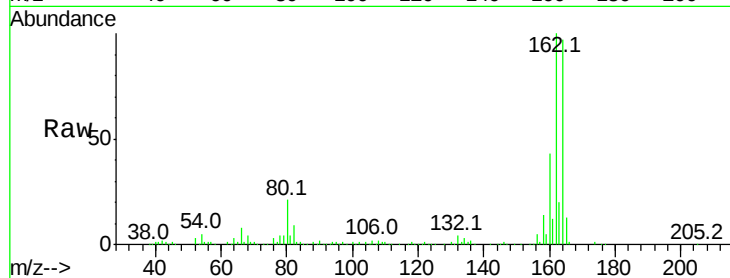




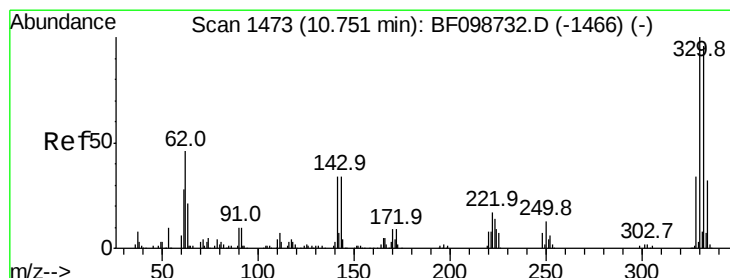
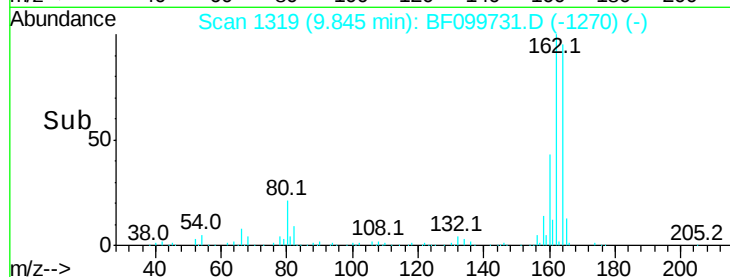
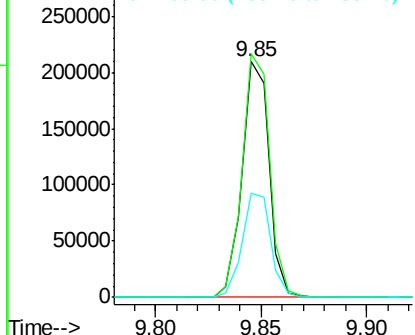
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF099731.D
 Acq: 21 Oct 2017 16:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:164 Resp: 185581
 Ion Ratio Lower Upper
 164 100
 162 103.4 86.1 129.1
 160 44.5 38.3 57.5

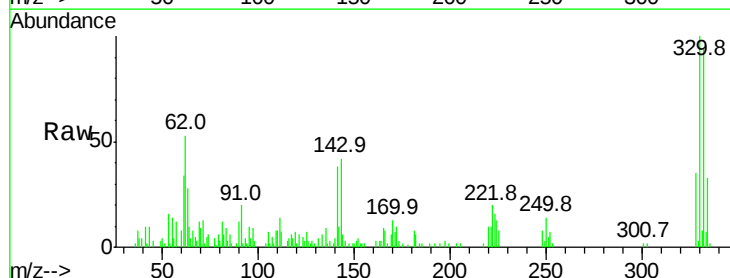


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

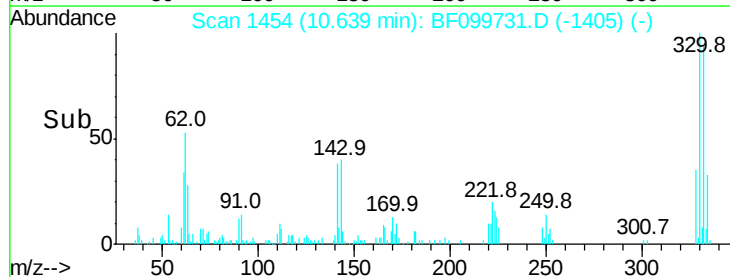
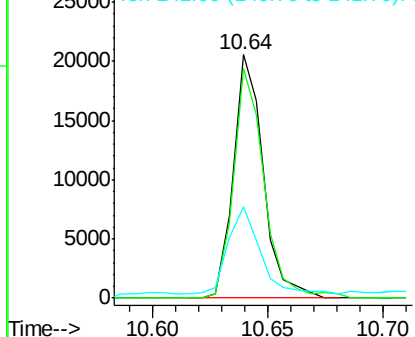


#41
 2,4,6-Tribromophenol
 Concen: 12.223 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF099731.D
 Acq: 21 Oct 2017 16:49

Tgt Ion:330 Resp: 18561
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 38.7 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



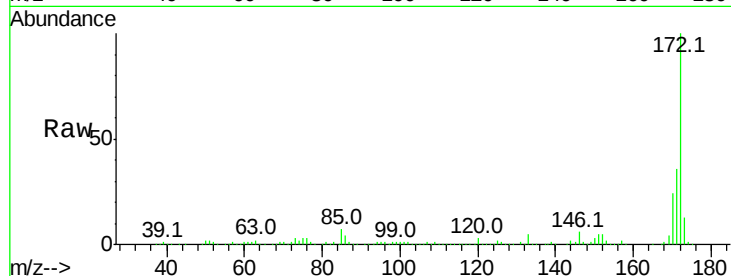


#44
 2-Fluorobiphenyl
 Concen: 58.367 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099731.D
 Acq: 21 Oct 2017 16:49

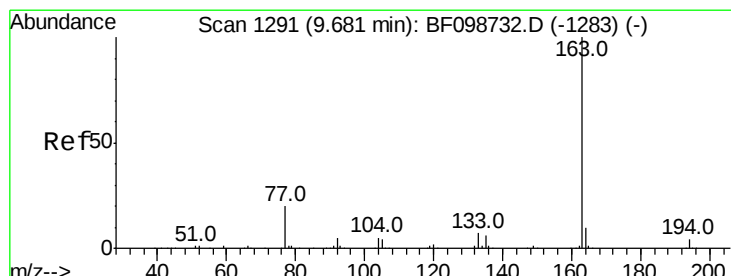
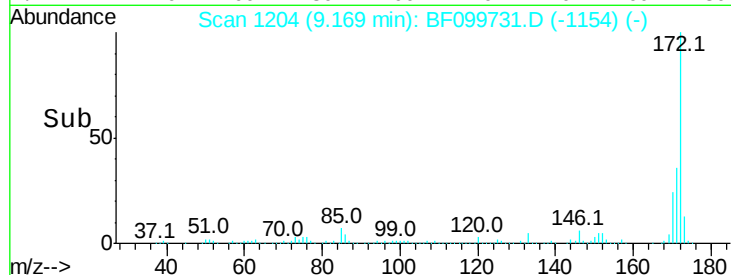
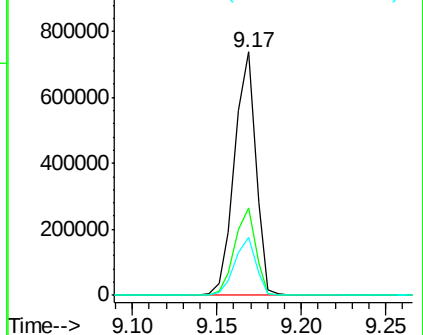
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 648833

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.6	19.6	29.4



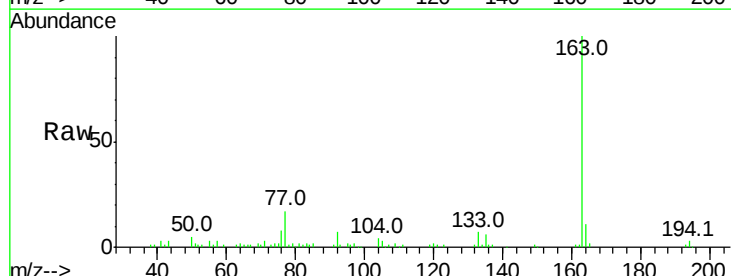
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



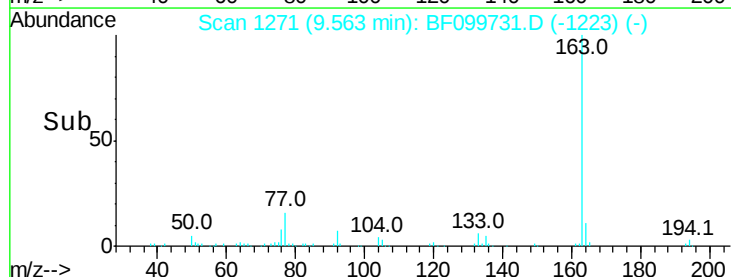
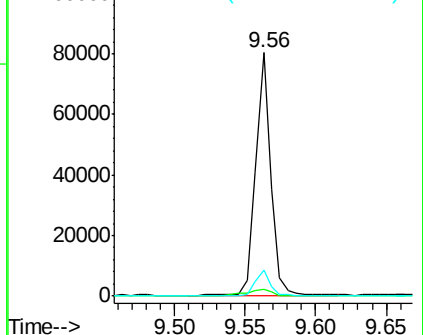
#49
 Dimethylphthalate
 Concen: 4.405 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF099731.D
 Acq: 21 Oct 2017 16:49

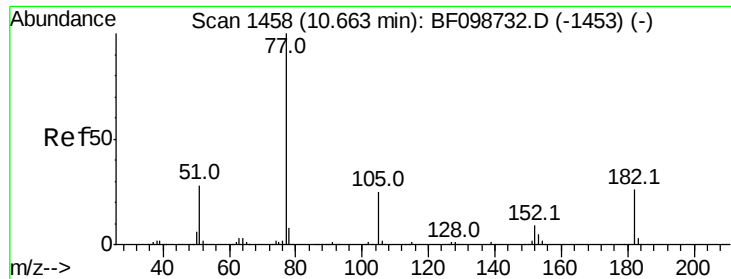
Tgt Ion:163 Resp: 61704

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	10.6	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: 9.526 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 119879

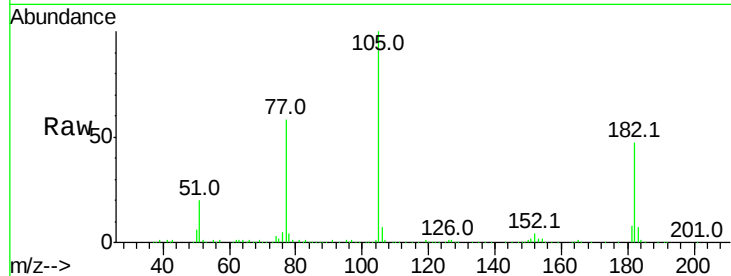
Ion Ratio Lower Upper

77 100

182 81.6 1.7 41.7#

105 172.9 3.0 43.0#

51 34.6 9.9 49.9

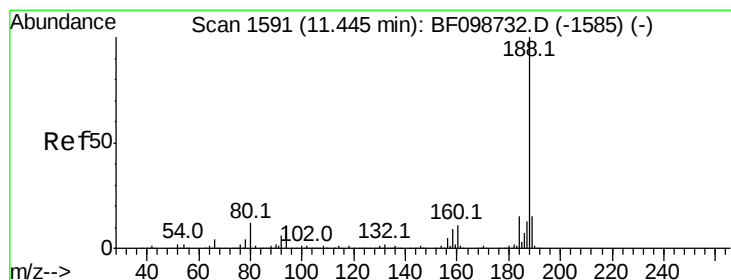
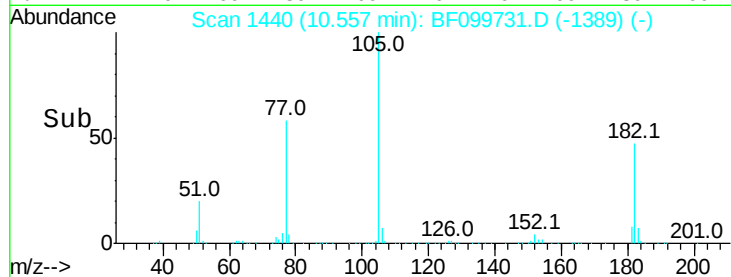
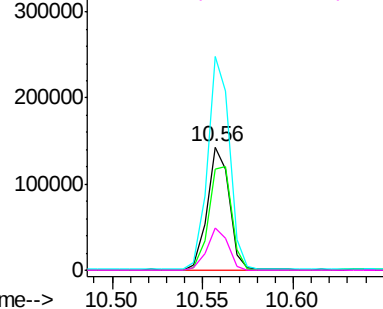


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

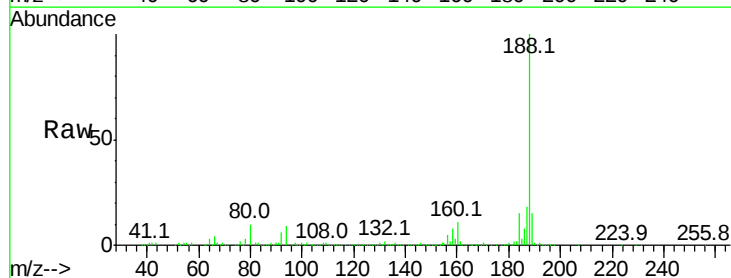
Tgt Ion: 188 Resp: 304861

Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

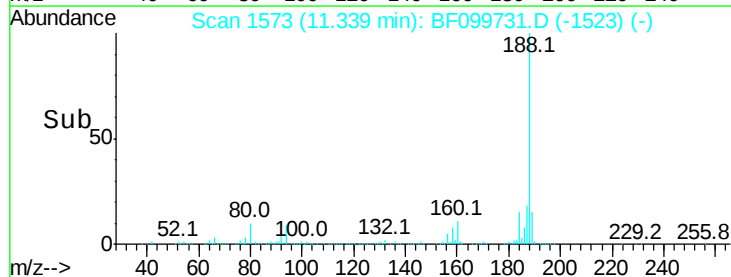
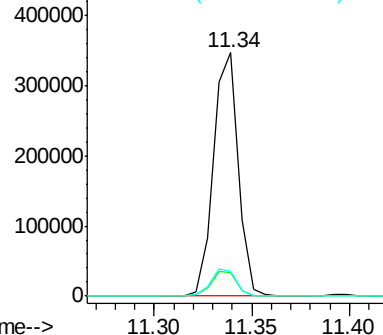
80 10.0 9.2 13.8

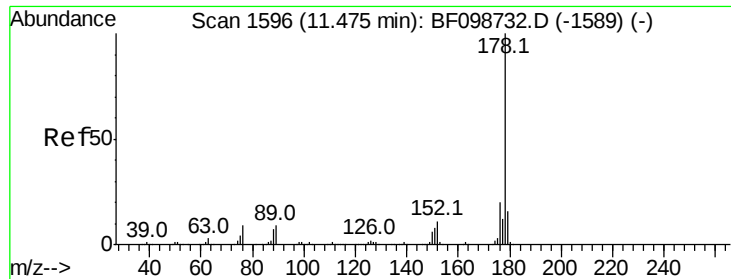


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.092 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampled :

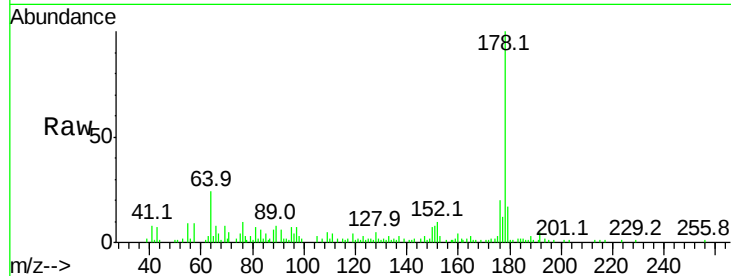
Tot Ion:178 Resp: 34136

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

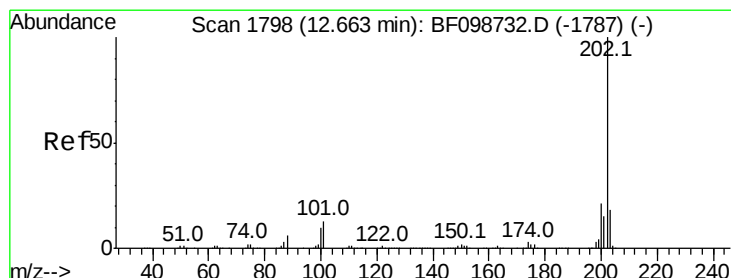
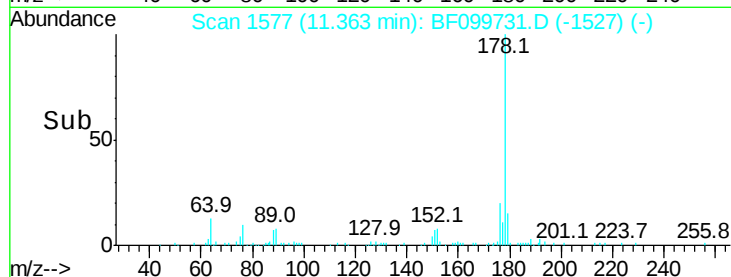
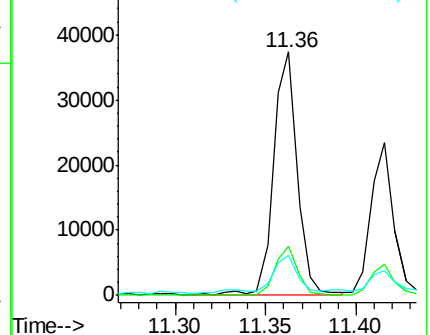
179 16.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.543 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

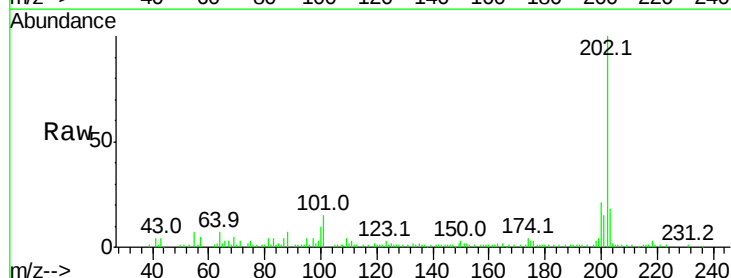
Tgt Ion:202 Resp: 58545

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.1

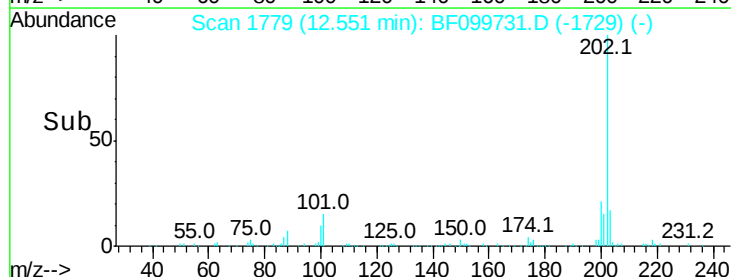
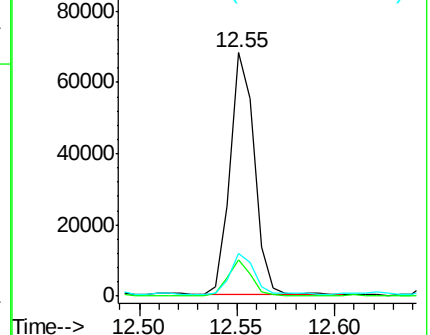
203 17.8 0.0 38.1

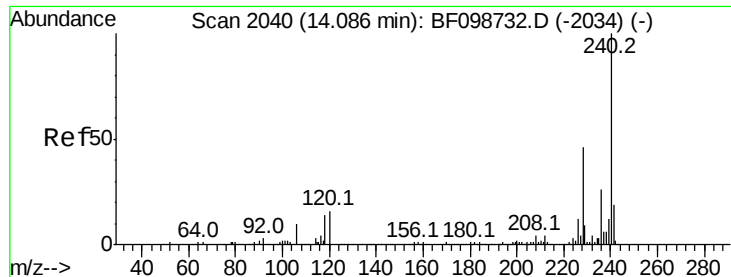


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampleId :

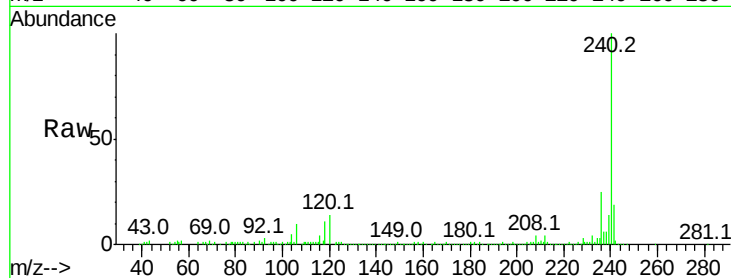
Tot Ion:240 Resp: 171993

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

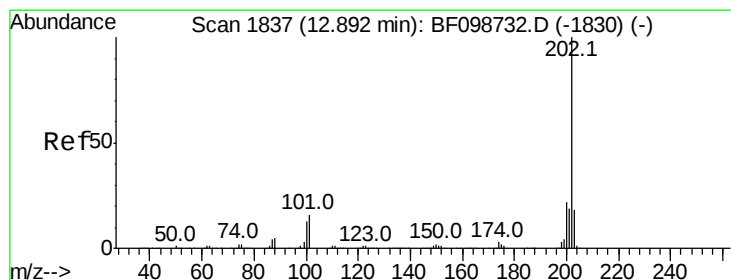
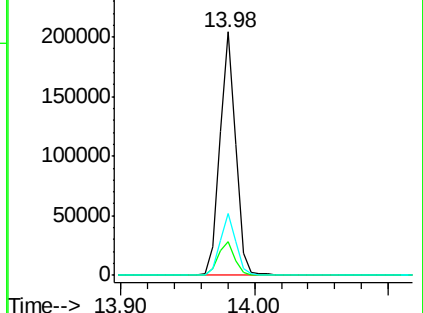
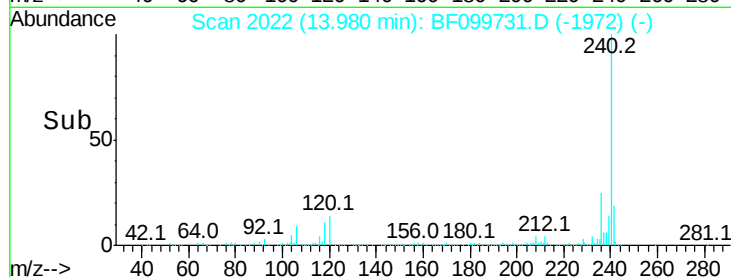
236 25.5 20.7 31.1



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: 3.887 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

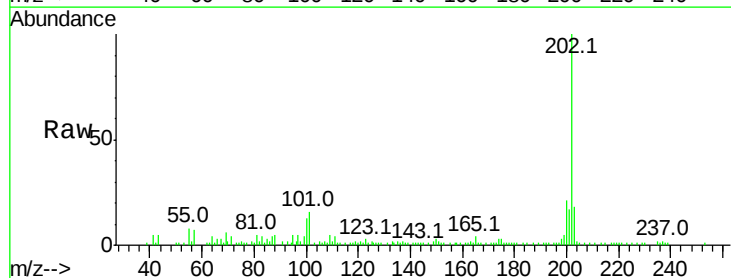
Tgt Ion:202 Resp: 50983

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

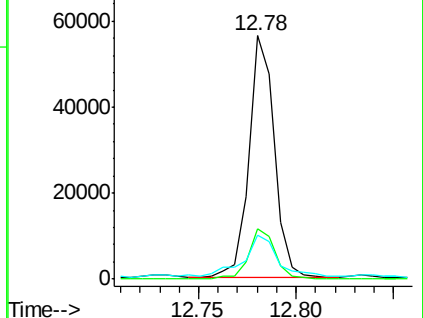
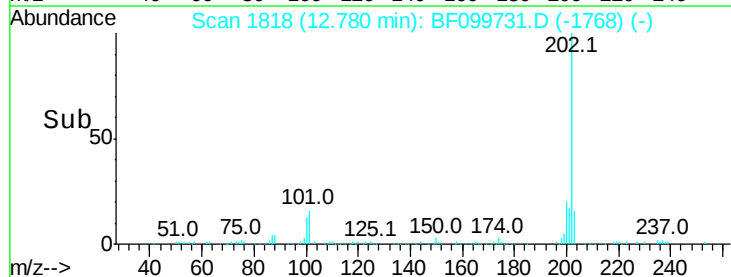
203 18.0 14.3 21.5

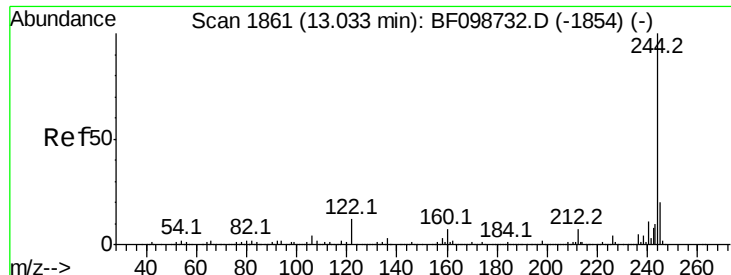


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.062 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampleId :

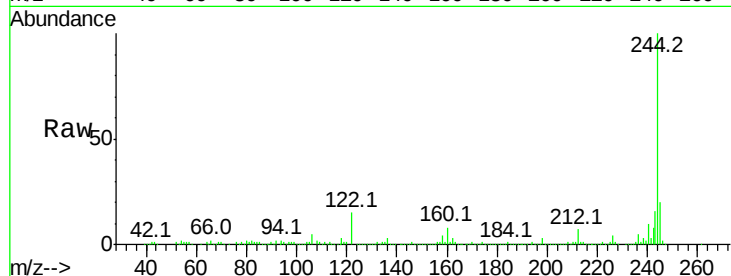
Tot Ion:244 Resp: 484486

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

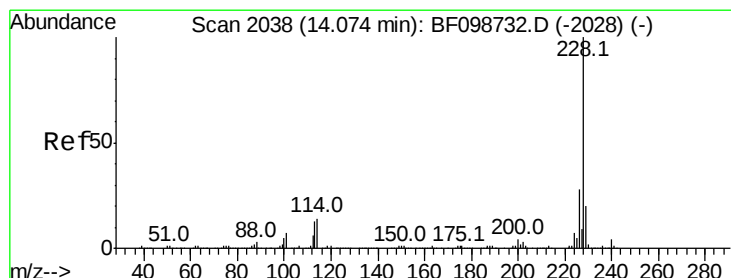
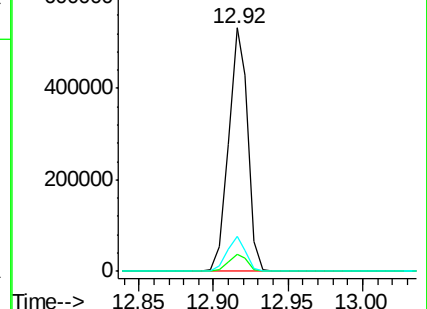
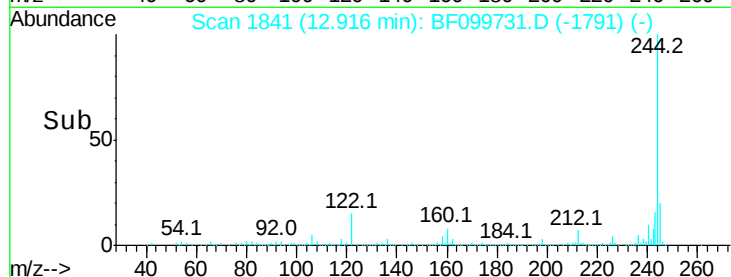
122 14.6 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.323 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

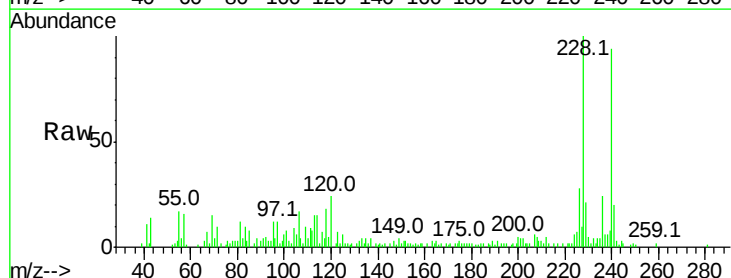
Tgt Ion:228 Resp: 24191

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

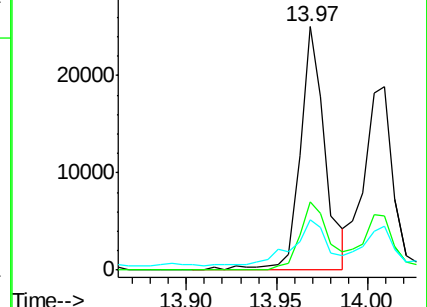
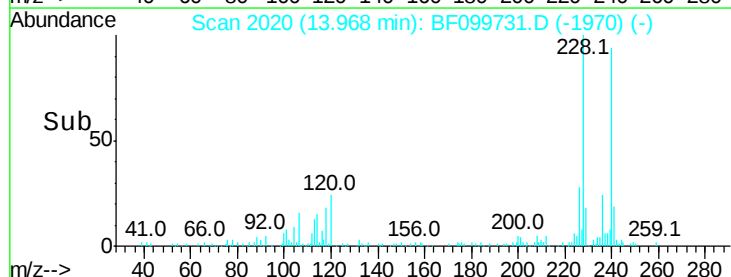
229 20.5 15.8 23.6

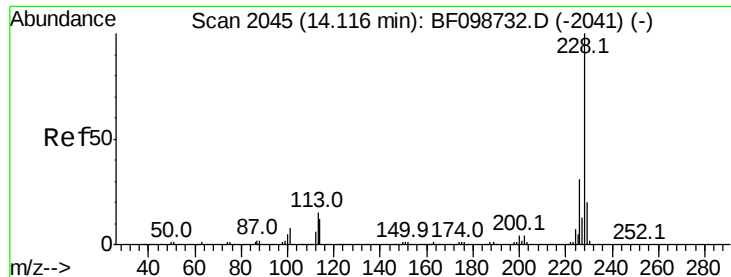


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.108 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

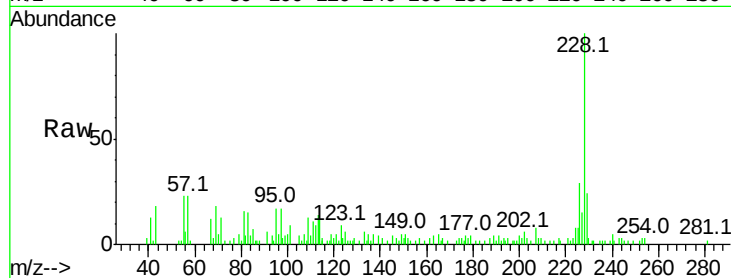
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 20899

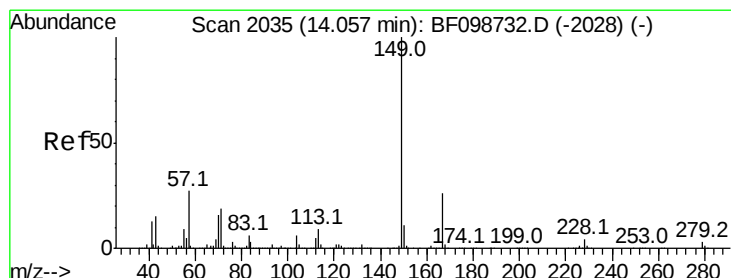
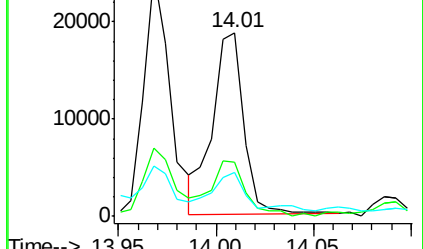
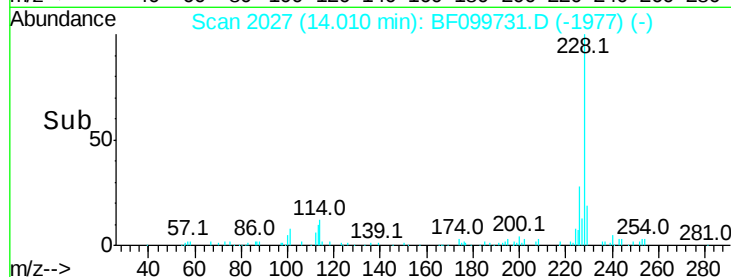
Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	24.0	16.2	24.4



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: 5.045 ng

RT: 13.94 min Scan# 2015

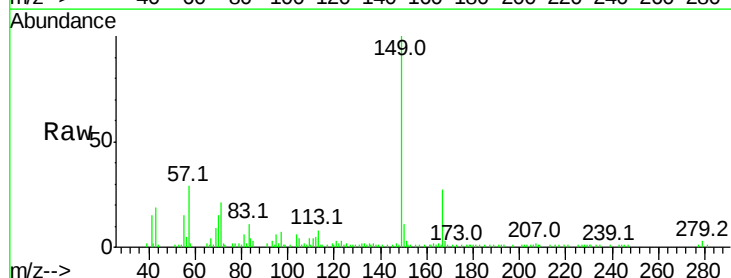
Delta R.T. -0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Tgt Ion:149 Resp: 42816

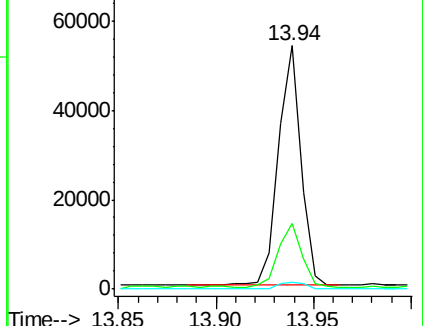
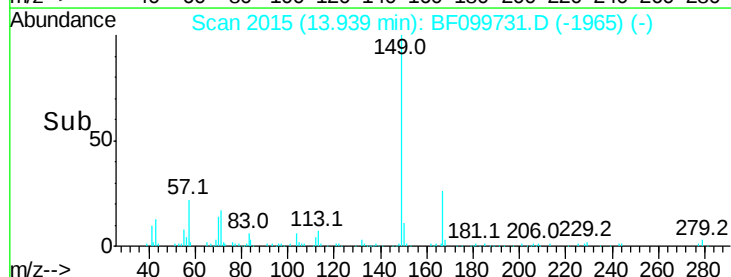
Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.3	31.9
279	3.0	3.0	4.4

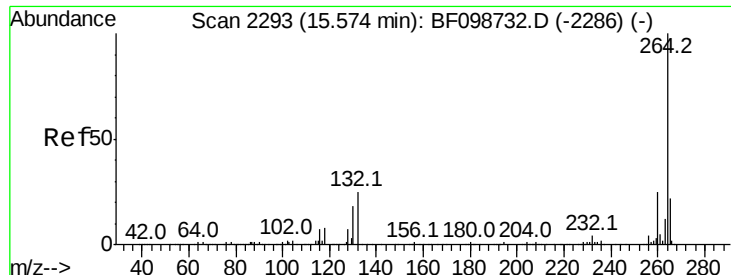


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampleId :

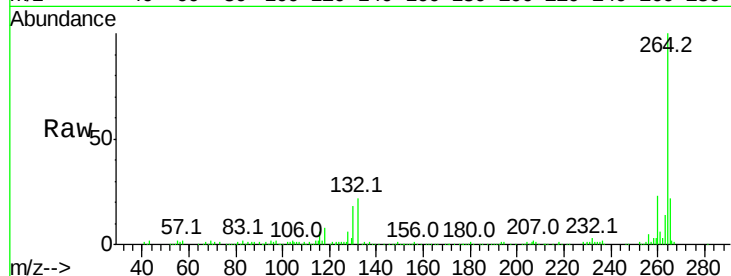
Tot Ion:264 Resp: 176072

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

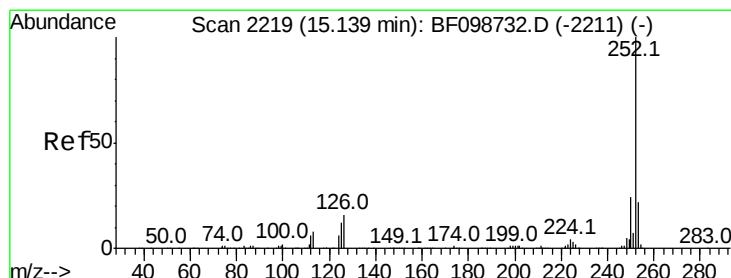
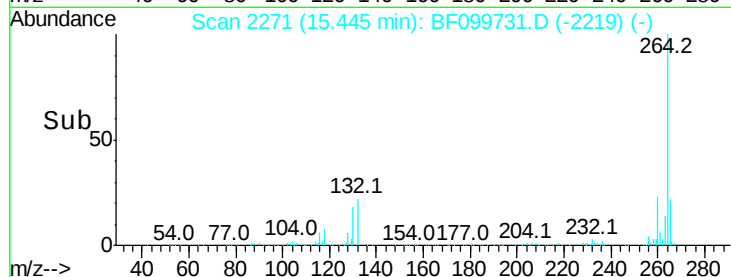
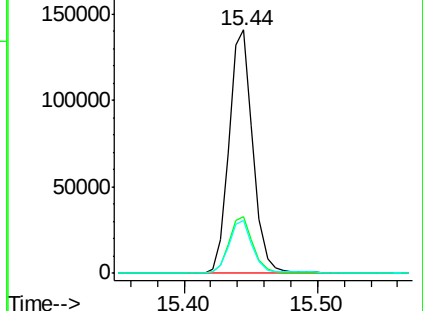
265 21.8 17.5 26.3



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: 2.997 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

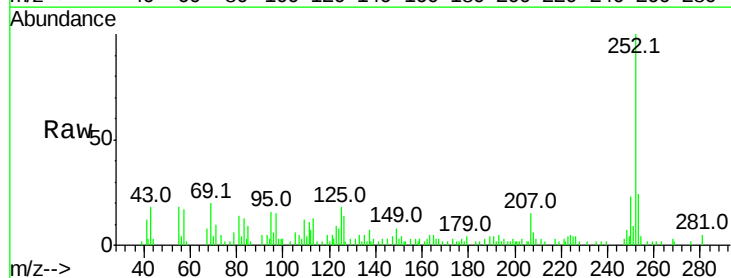
Tgt Ion:252 Resp: 32446

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.6

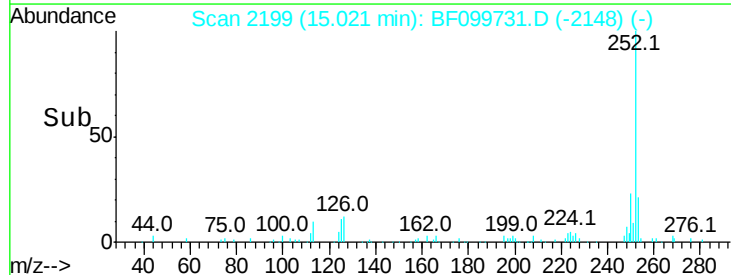
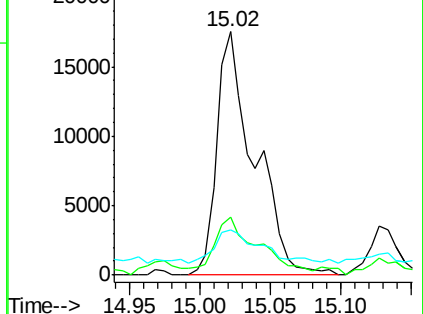
125 18.4 9.0 13.6#

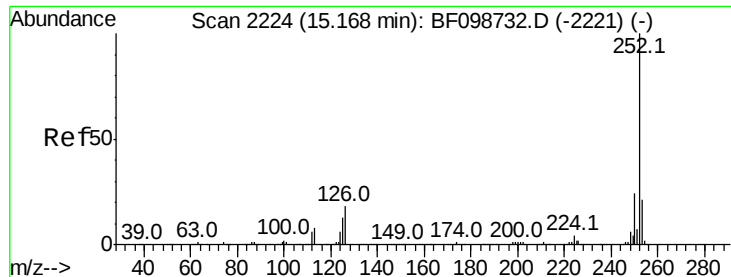


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.034 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BF099731.D

Acq: 21 Oct 2017 16:49

Instrument :

BNA_F

ClientSampleId :

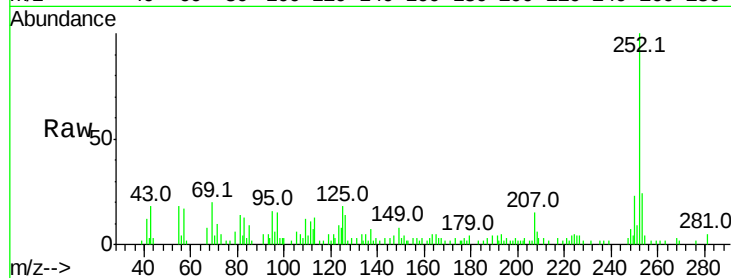
Tot Ion:252 Resp: 32446

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

125 18.4 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

