

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099666.D
 Acq On : 19 Oct 2017 19:31
 Operator : SJ/JU
 Sample : I5896-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:49:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 19 19:55:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	94146	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	371832	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	154144	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	219487	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	157581	20.00	ng	-0.01
86) Perylene-d12	15.44	264	174194	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	493097	83.38	ng	0.00
7) Phenol-d6	6.46	99	577000	79.09	ng	-0.02
23) Nitrobenzene-d5	7.39	82	346689	59.79	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	93067	73.79	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	613262	66.42	ng	-0.01
78) Terphenyl-d14	12.92	244	330293	47.67	ng	-0.01

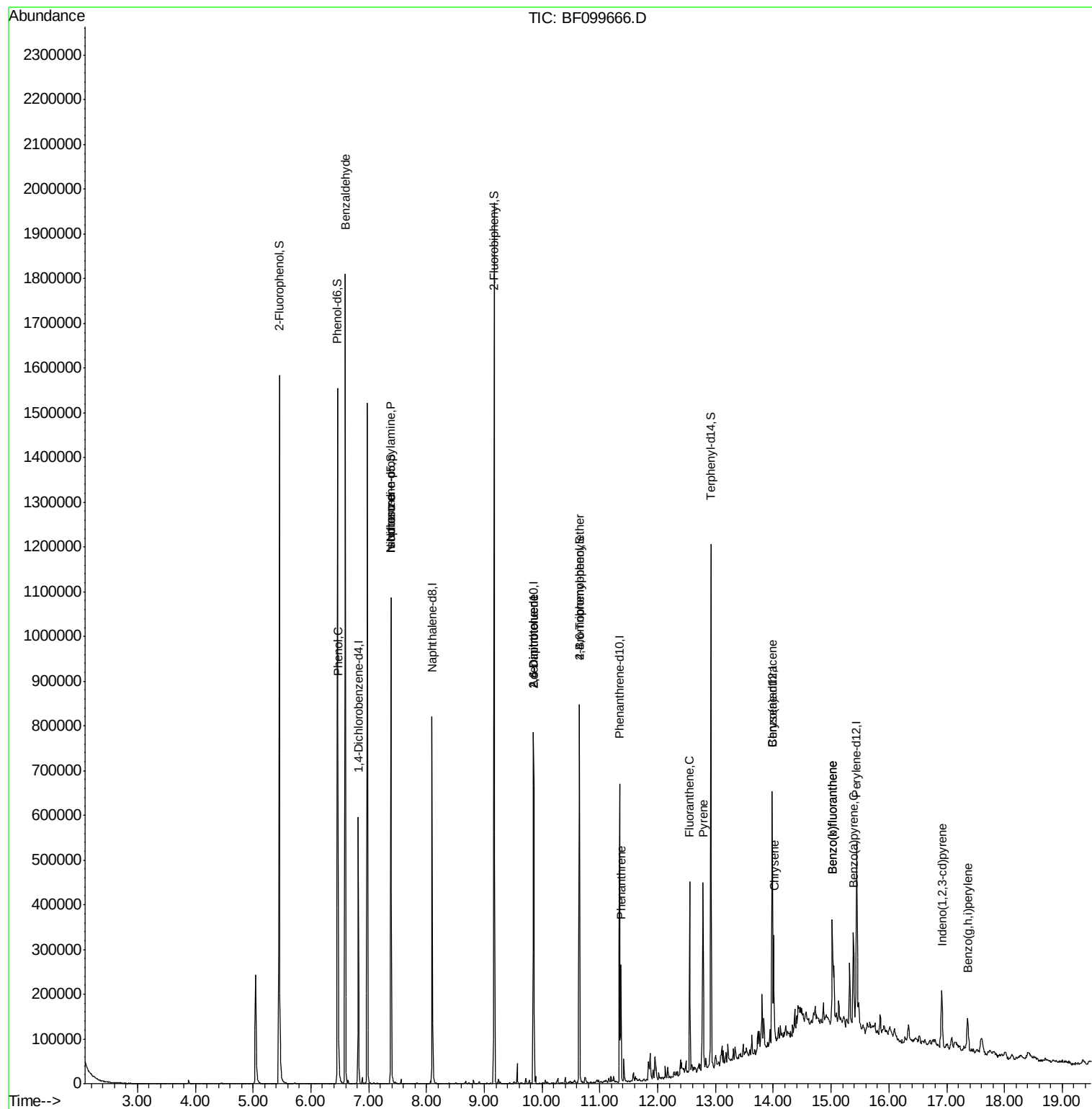
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	8954	2.116	ng	88
10) Phenol	6.47	94	27298	3.346	ng	98
19) n-Nitroso-di-n-propylamine	7.39	70	42706	9.168	ng	# 73
25) Isophorone	7.39	82	346687	28.921	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	20073	7.925	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	20073	6.107	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	6366	2.963	ng	# 1
70) Phenanthrene	11.36	178	90513	7.704	ng	96
74) Fluoranthene	12.56	202	158217	13.299	ng	97
77) Pyrene	12.79	202	152053	12.654	ng	98
80) Benzo(a)anthracene	13.97	228	88220	9.246	ng	99
82) Chrysene	14.01	228	79212	8.720	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	55676	7.662	ng	98
87) Benzo(b)fluoranthene	15.02	252	161956	15.122	ng	# 94
88) Benzo(k)fluoranthene	15.02	252	161956	15.310	ng	# 97
89) Benzo(a)pyrene	15.39	252	89578	9.112	ng	# 96
91) Benzo(a,h,i)perylene	17.36	276	56052	7.207	ng	96

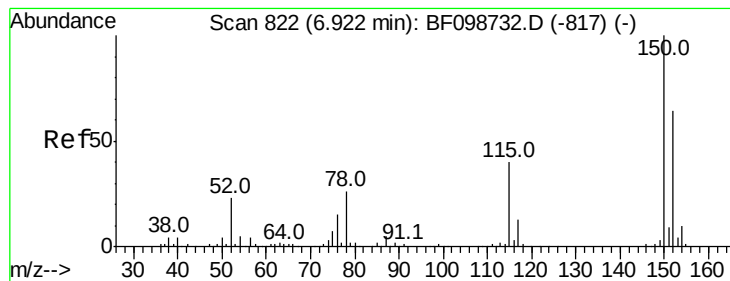
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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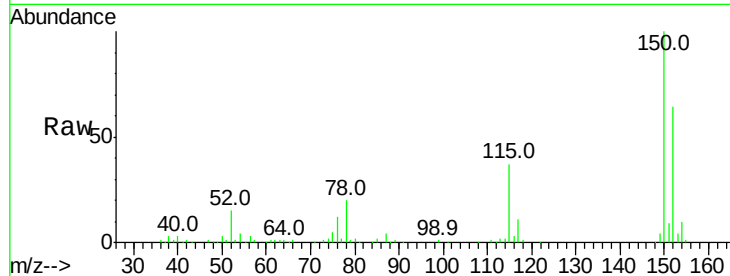


#1

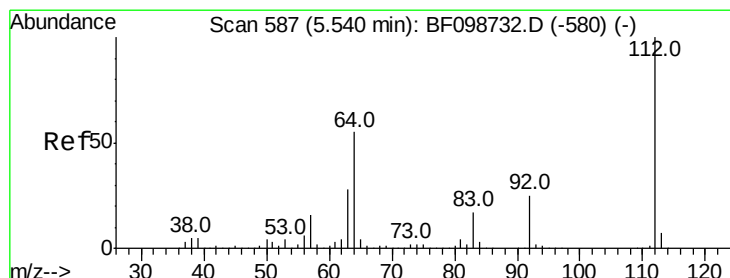
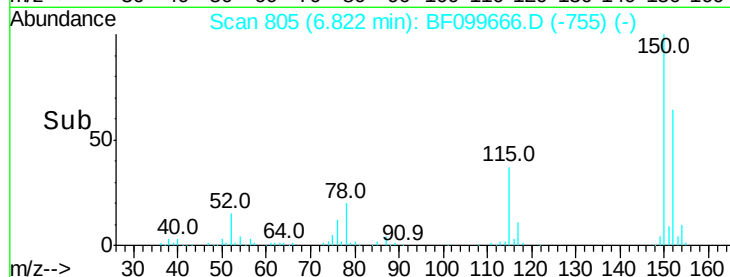
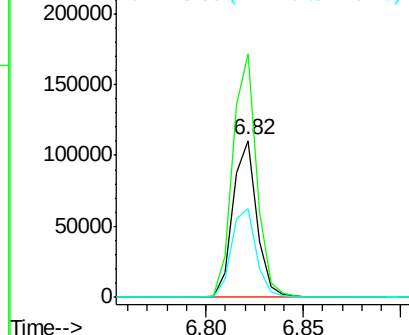
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94146
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 56.9 50.1 75.1



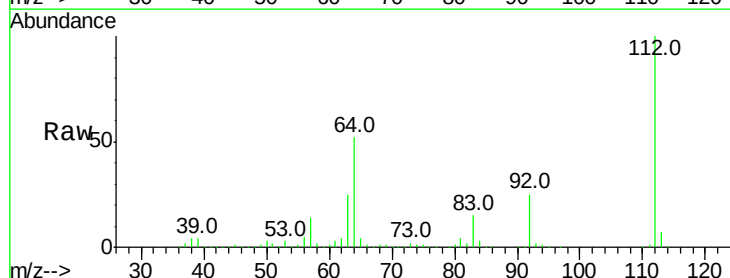
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



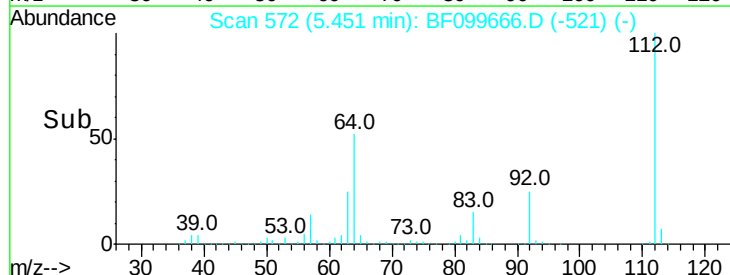
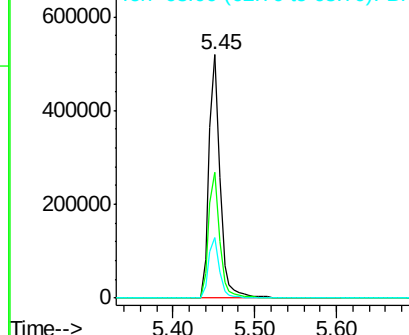
#5

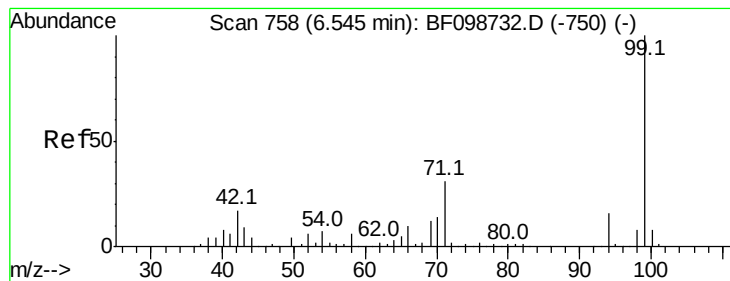
2-Fluorophenol
Concen: 83.377 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion:112 Resp: 493097
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 24.6 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: 79.088 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

ClientSampleId :

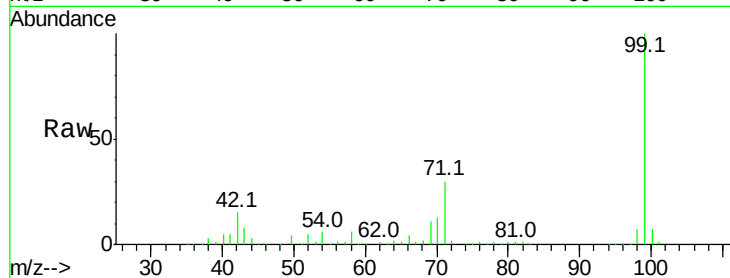
Tot Ion: 99 Resp: 577000

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

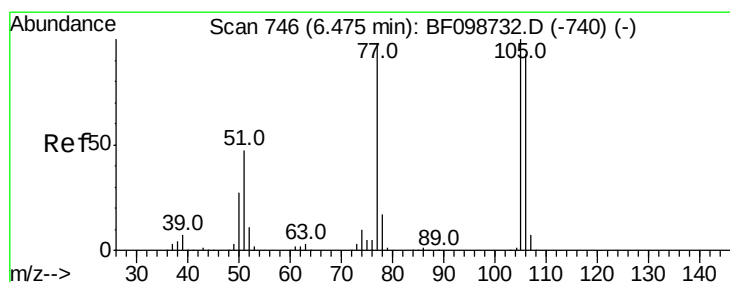
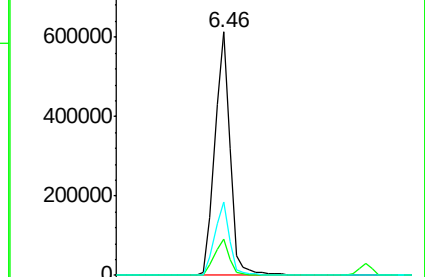
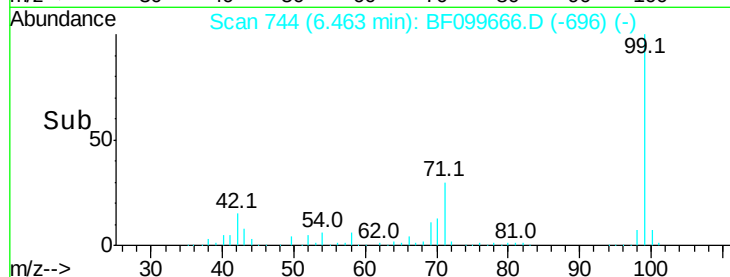
71 30.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.116 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

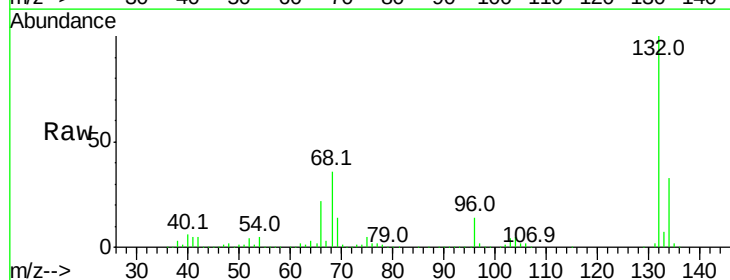
Tgt Ion: 77 Resp: 8954

Ion Ratio Lower Upper

77 100

105 90.4 81.1 121.1

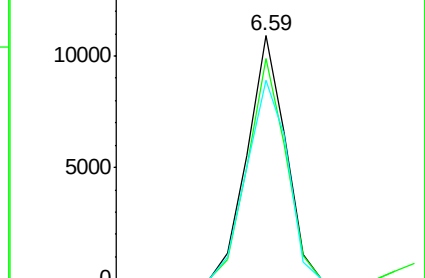
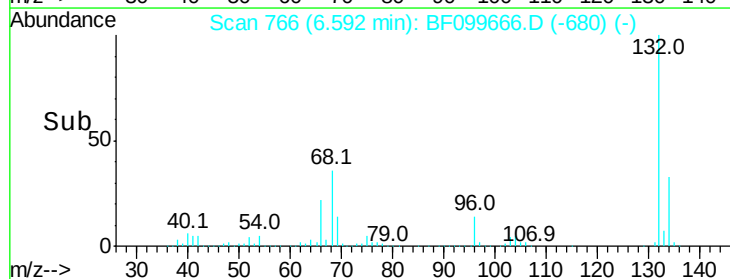
106 81.4 74.5 114.5

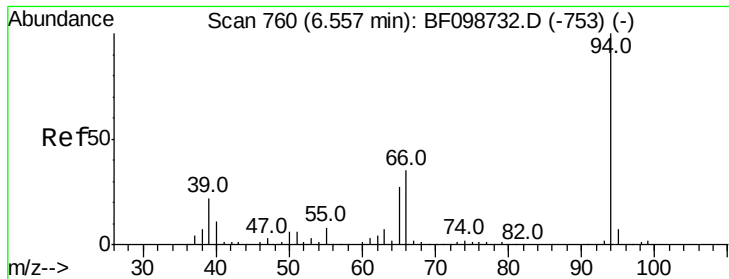


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0

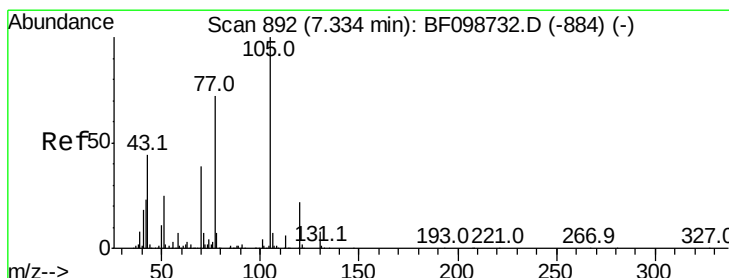
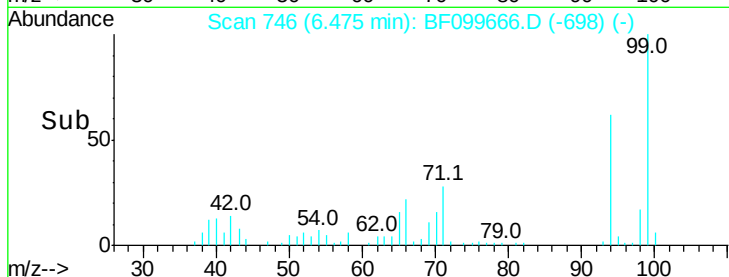
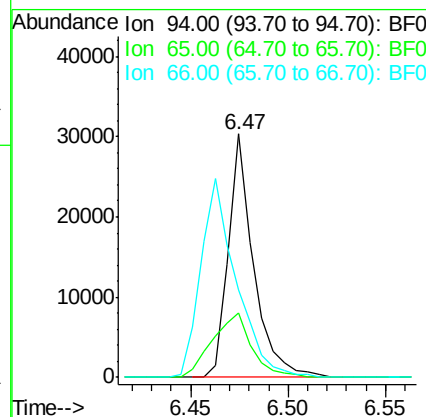
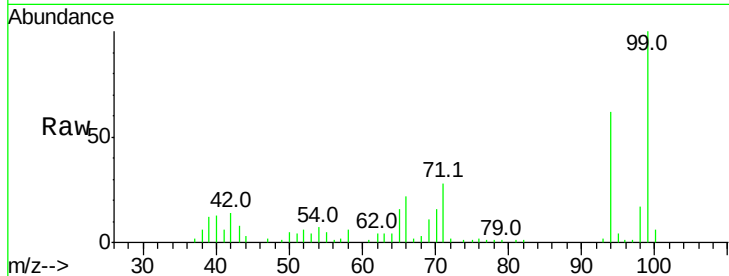




#10
Phenol
Concen: 3.346 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

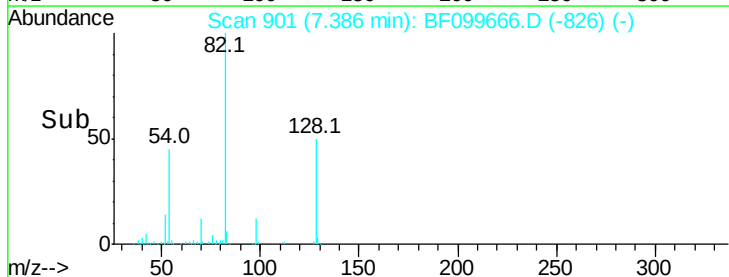
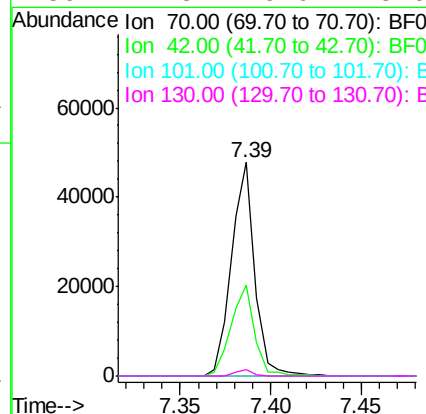
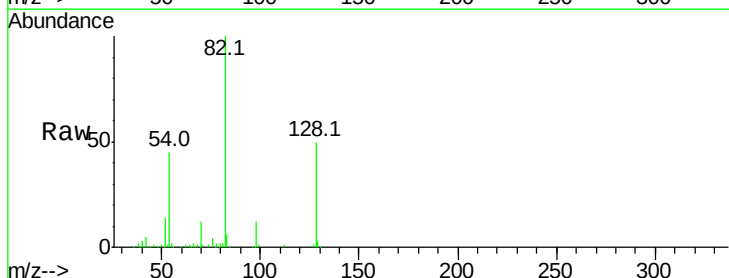
Instrument :
BNA_F
ClientSampled :

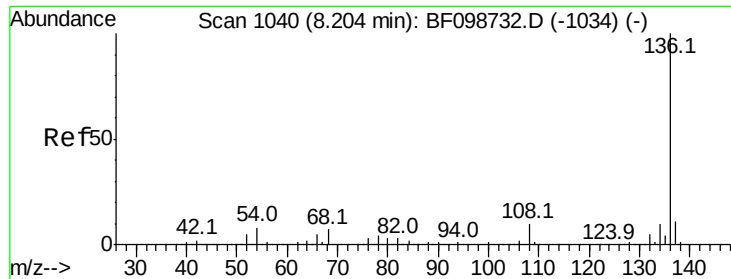
Tot Ion: 94 Resp: 27298
Ion Ratio Lower Upper
94 100
65 26.4 7.9 47.9
66 35.8 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.168 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion: 70 Resp: 42706
Ion Ratio Lower Upper
70 100
42 42.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.8 16.6 25.0#

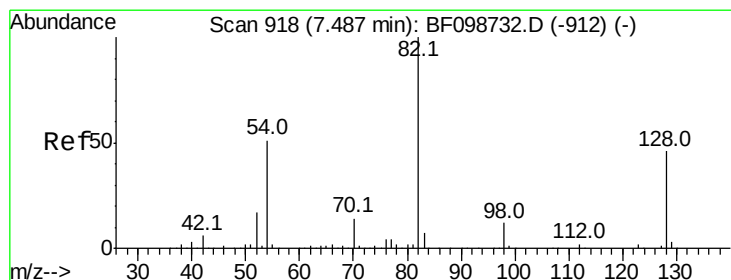
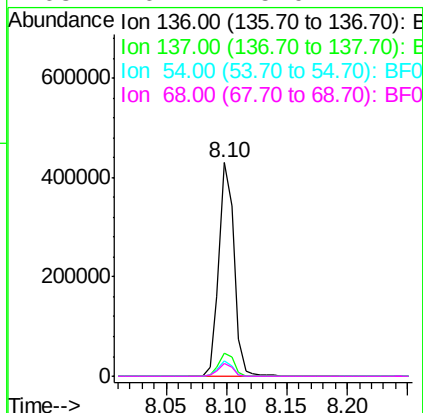
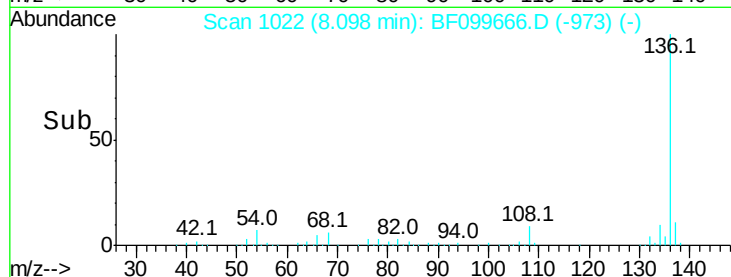
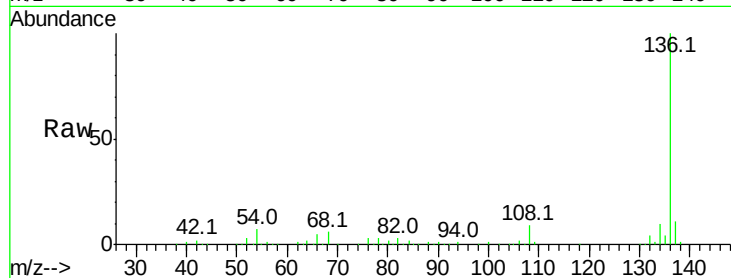




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

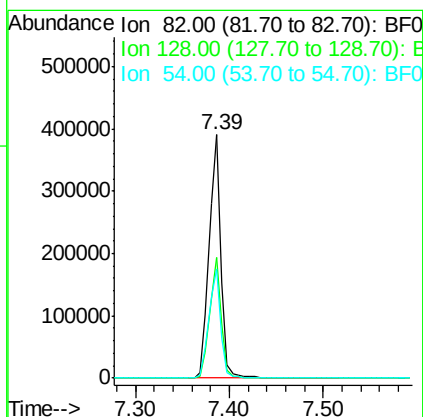
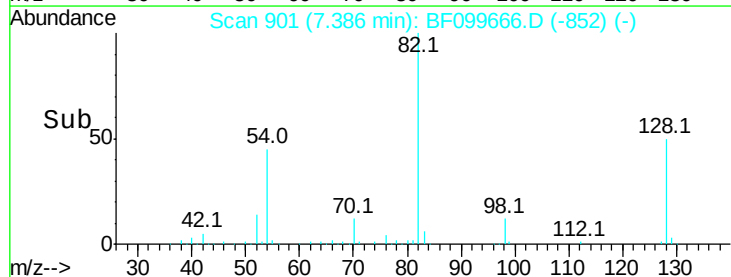
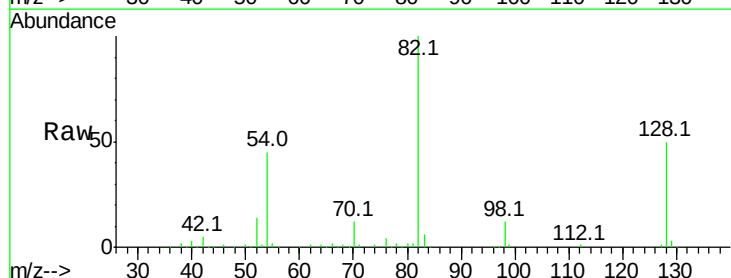
Instrument :
BNA_F
ClientSampleId :

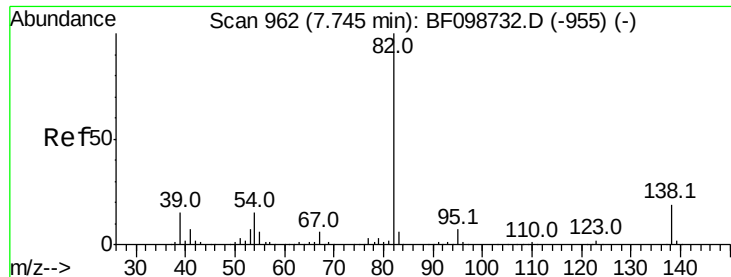
Tot Ion:	136	Resp:	371832
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 59.794 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion:	82	Resp:	346689
Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	44.6	41.4	62.2





#25

Isophorone

Concen: 28.921 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

ClientSampleId :

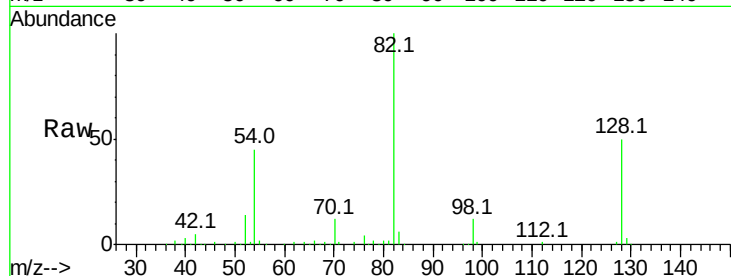
Tot Ion: 82 Resp: 346687

Ion Ratio Lower Upper

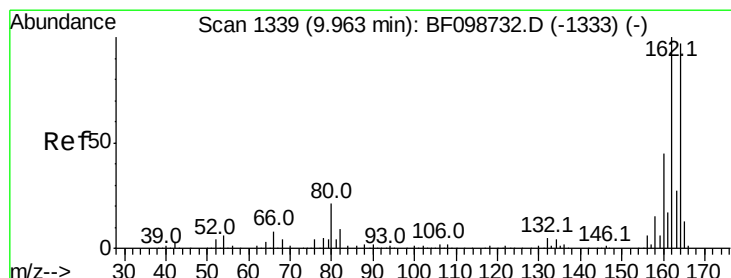
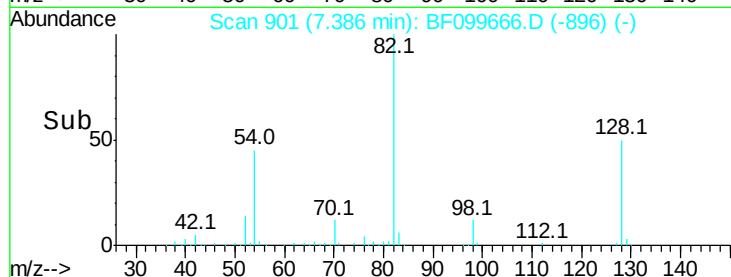
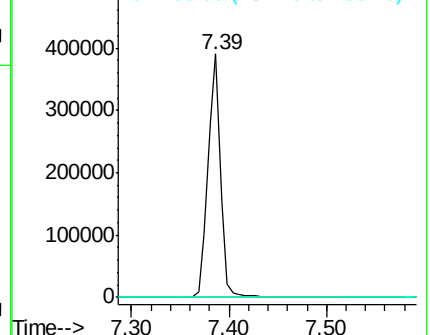
82 100

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# 1320

Delta R.T. -0.02 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

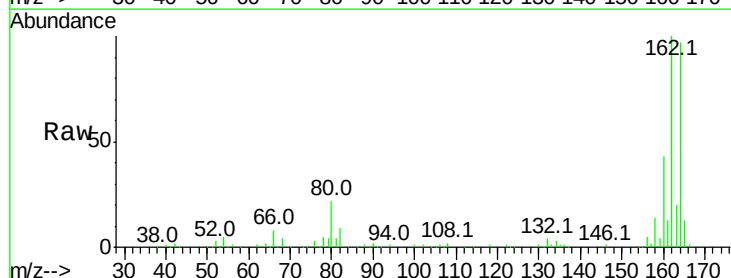
Tgt Ion: 164 Resp: 154144

Ion Ratio Lower Upper

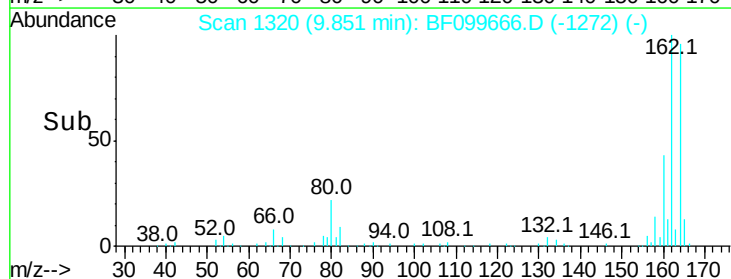
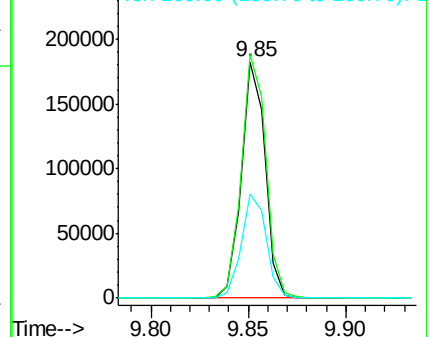
164 100

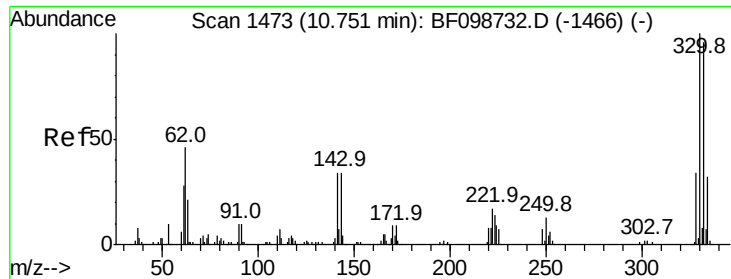
162 103.1 86.1 129.1

160 44.3 38.3 57.5



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

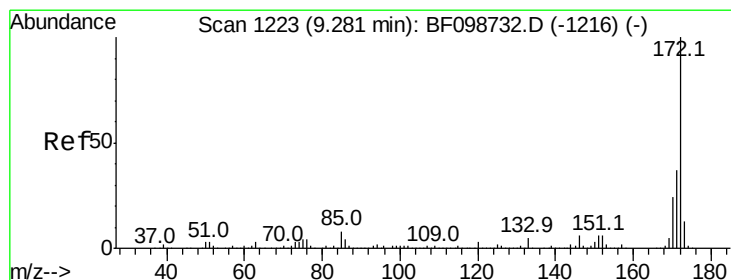
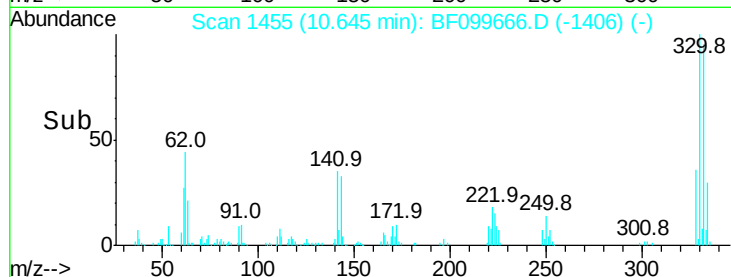
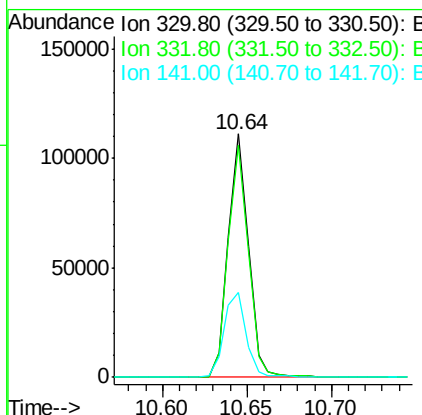
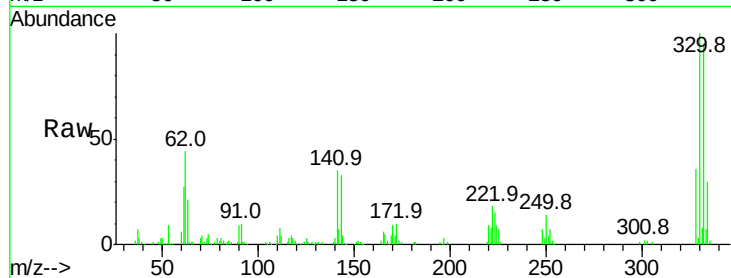




#41
 2,4,6-Tribromophenol
 Concen: 73.786 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.01 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

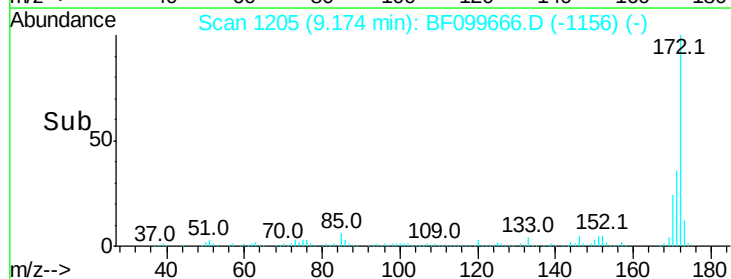
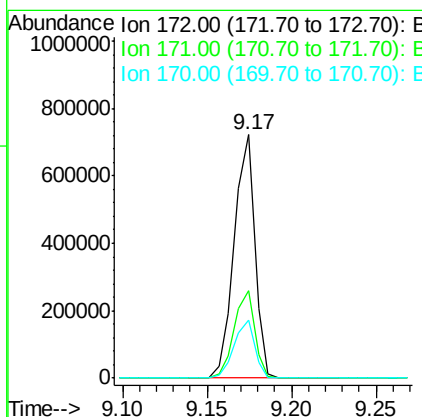
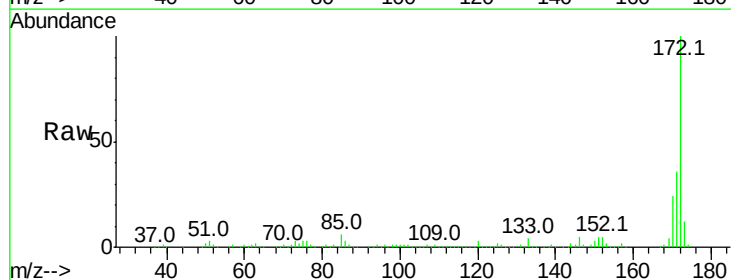
Instrument :
 BNA_F
 ClientSampled :

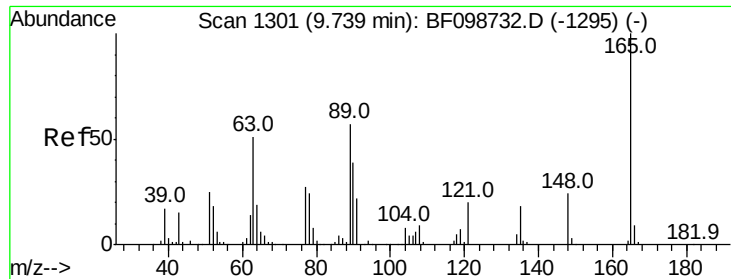
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	38.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 66.418 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.7	19.6	29.4

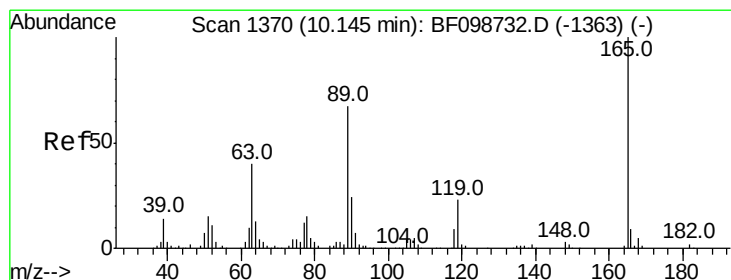
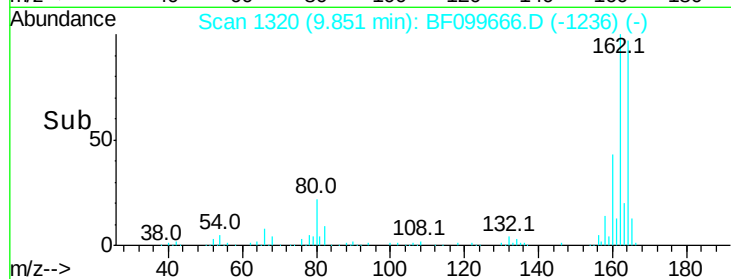
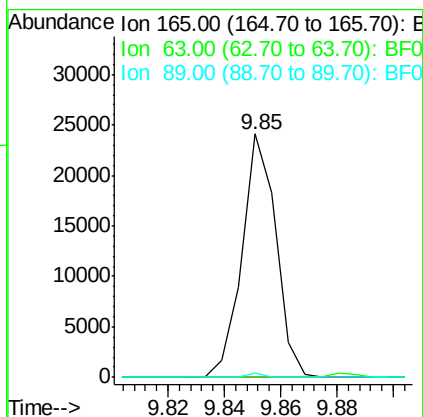
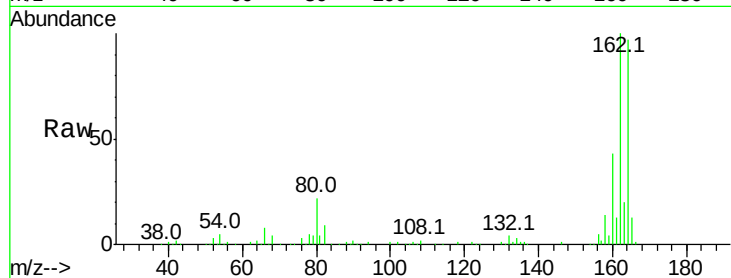




#50
2,6-Dinitrotoluene
Concen: 7.925 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.19 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

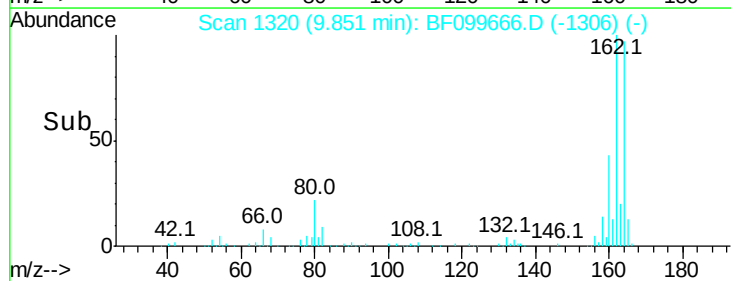
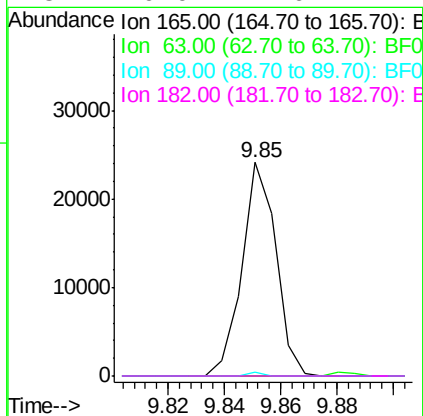
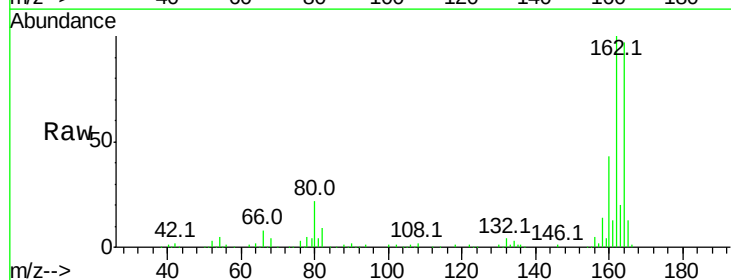
Instrument :
BNA_F
ClientSampleId :

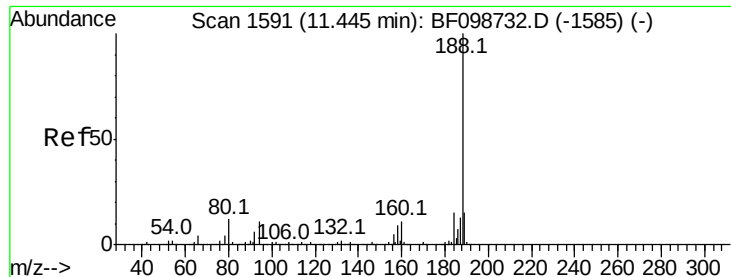
Tot Ion:165 Resp: 20073
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.6 44.0 66.0#



#56
2,4-Dinitrotoluene
Concen: 6.107 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.22 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion:165 Resp: 20073
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.6 57.8 86.6#
182 0.0 1.6 2.4#

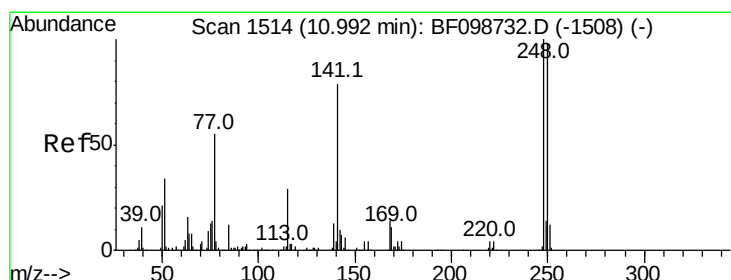
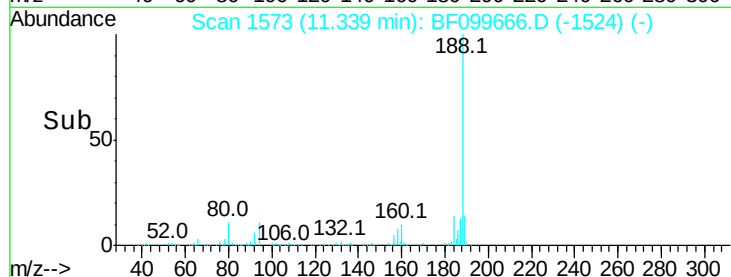
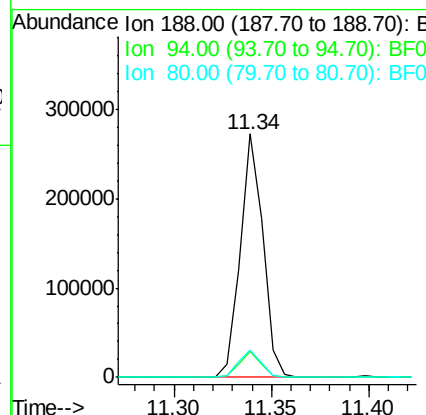
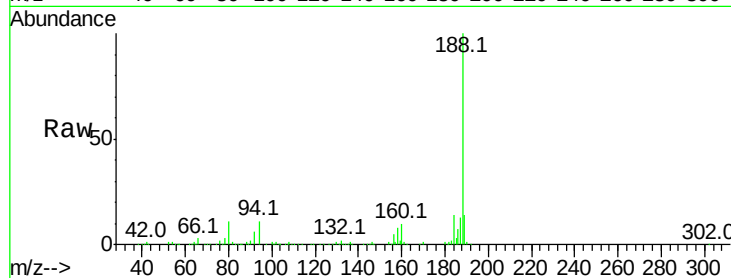




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

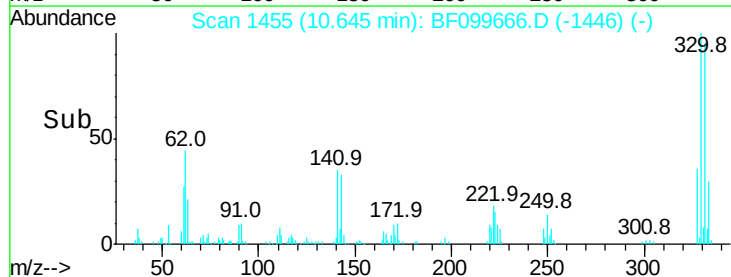
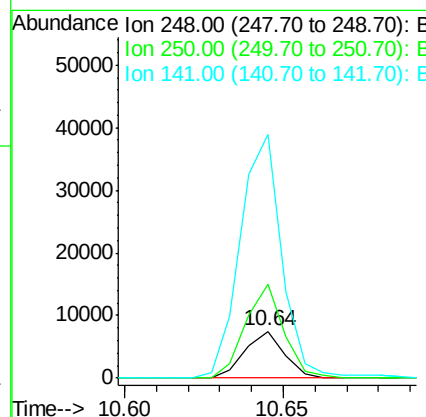
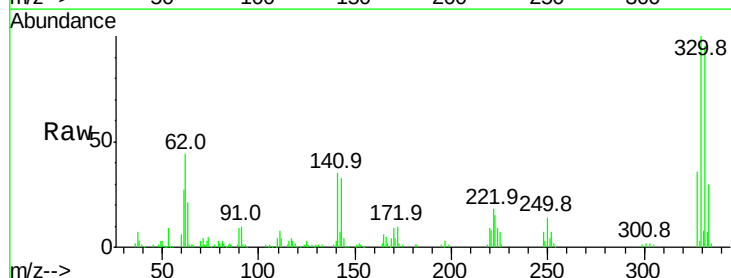
Instrument :
BNA_F
ClientSampleId :

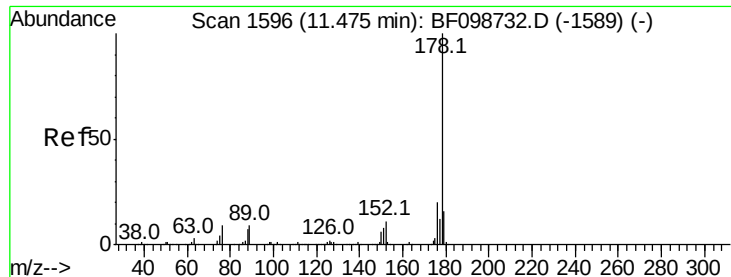
Tot Ion:188 Resp: 219487
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.3 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.963 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.25 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion:248 Resp: 6366
Ion Ratio Lower Upper
248 100
250 203.1 76.9 115.3#
141 523.5 74.4 111.6#





#70

Phenanthrene

Concen: 7.704 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

ClientSampleId :

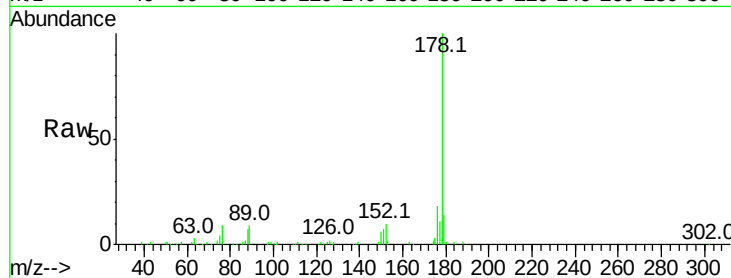
Tot Ion:178 Resp: 90513

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

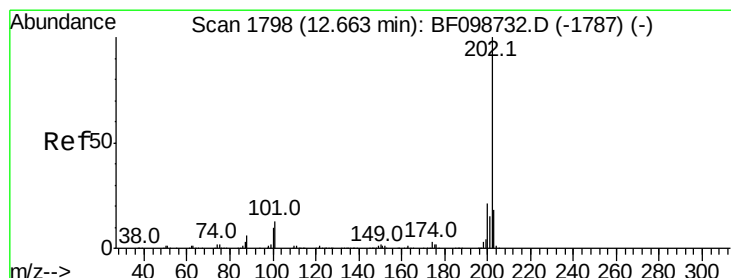
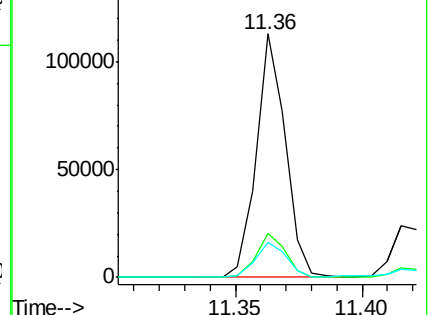
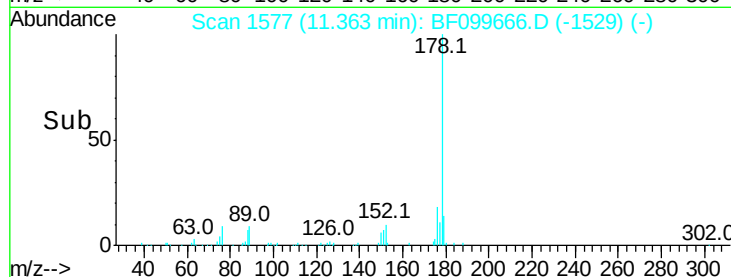
179 14.2 13.0 19.6



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: 13.299 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

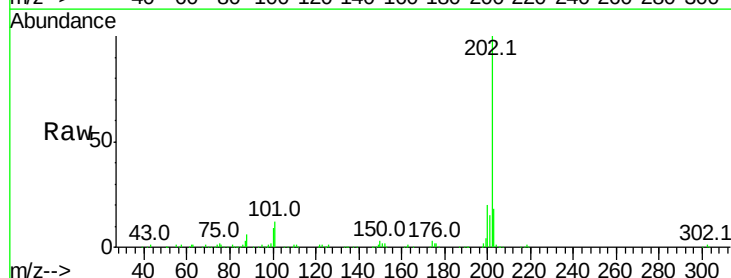
Tgt Ion:202 Resp: 158217

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.1

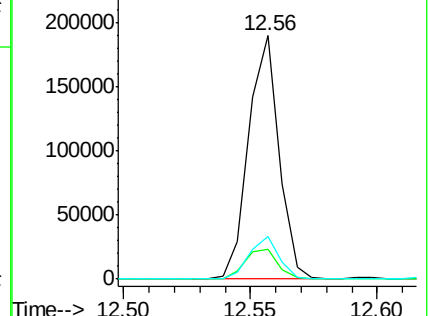
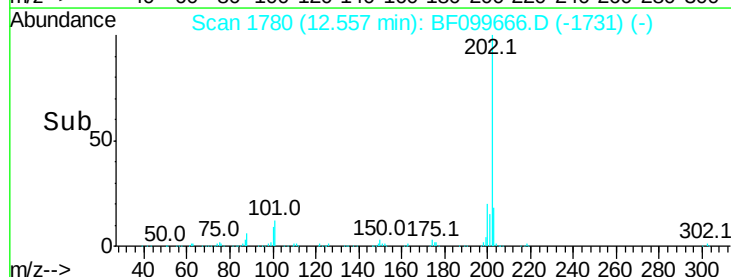
203 17.5 0.0 38.1

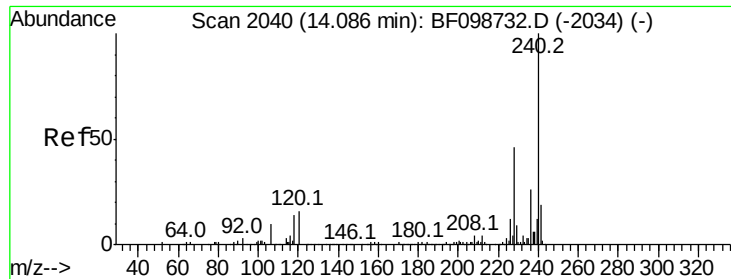


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2034

Delta R.T. -0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

ClientSampleId :

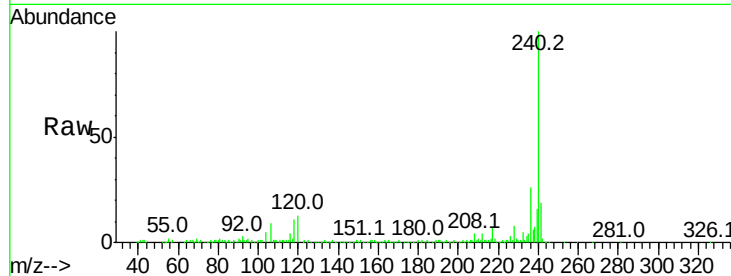
Tot Ion:240 Resp: 157581

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

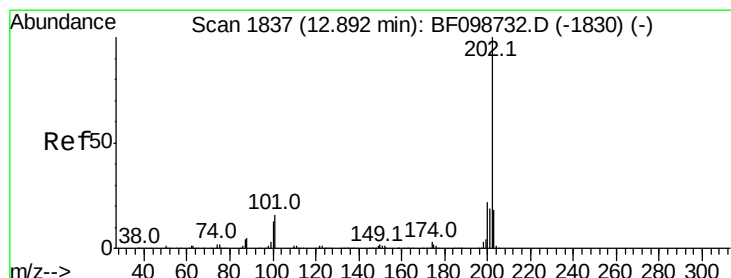
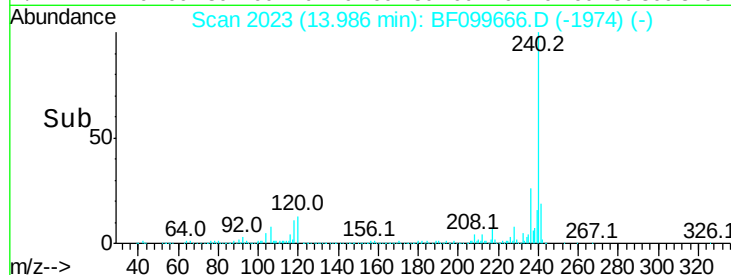
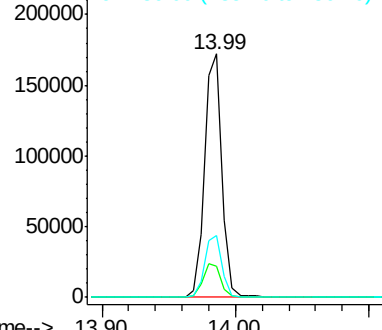
236 25.6 20.7 31.1



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

Pyrene

Concen: 12.654 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

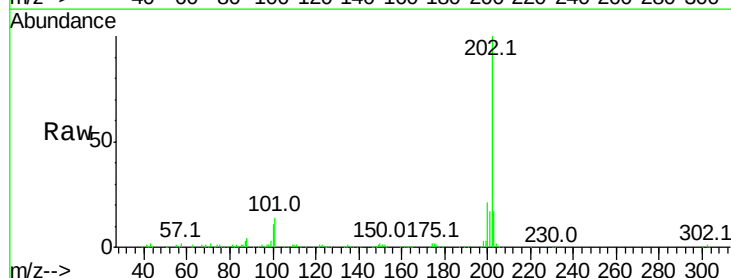
Tgt Ion:202 Resp: 152053

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

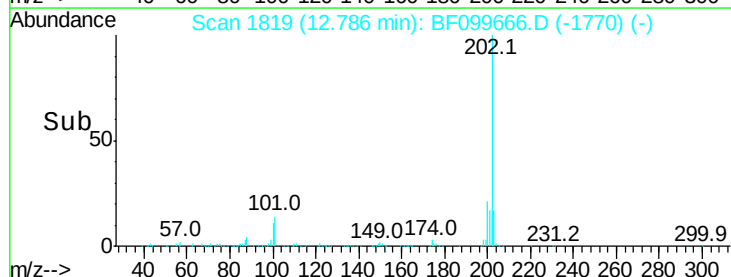
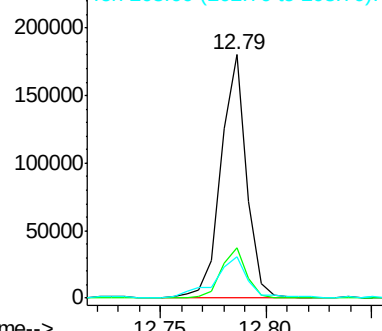
203 17.1 14.3 21.5

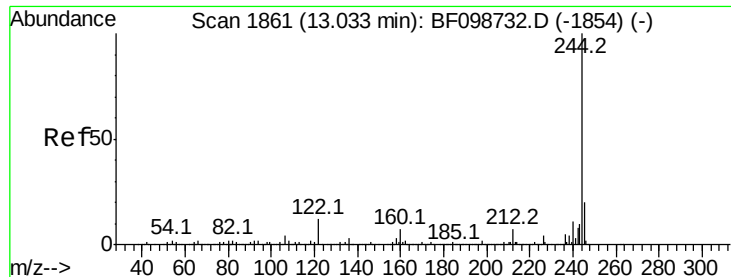


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

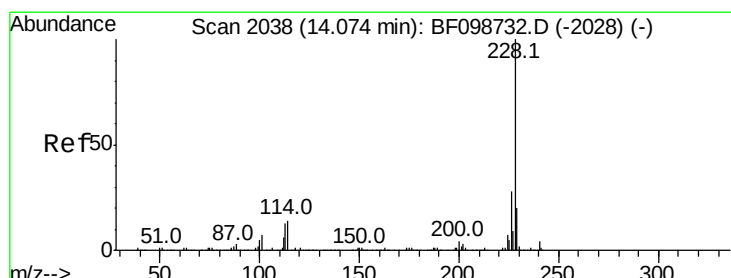
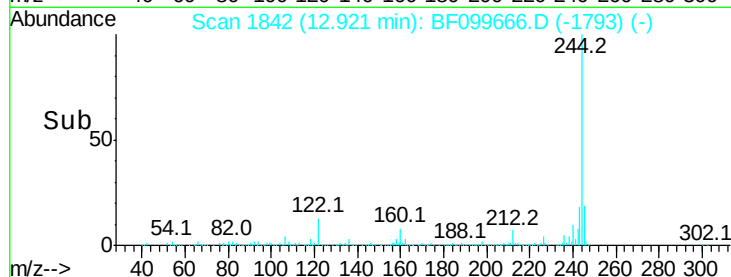
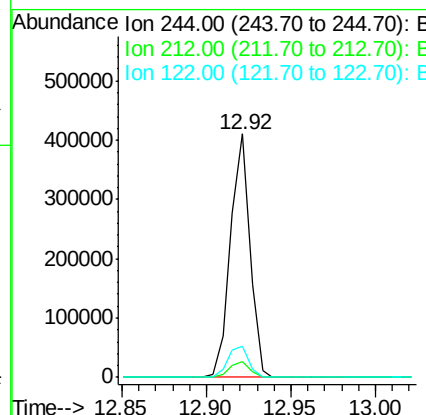
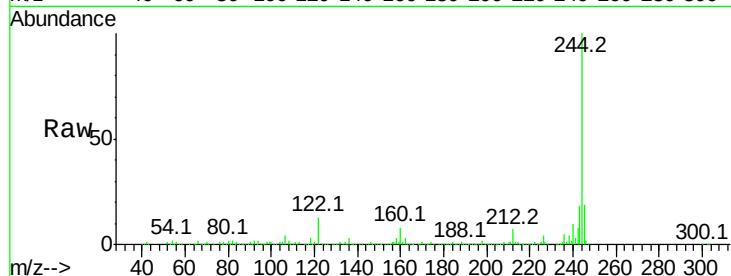




#78
 Terphenyl-d14
 Concen: 47.668 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

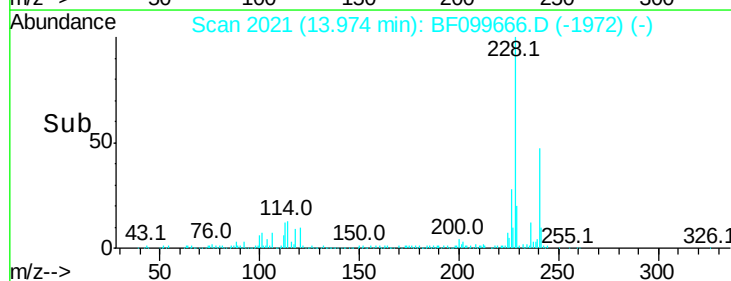
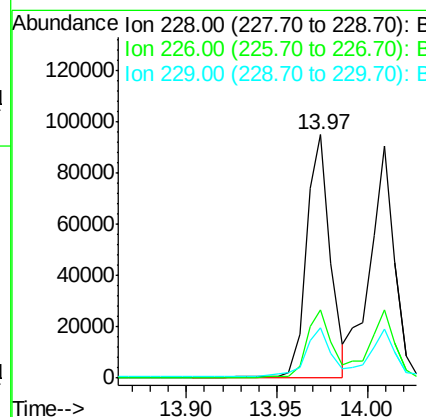
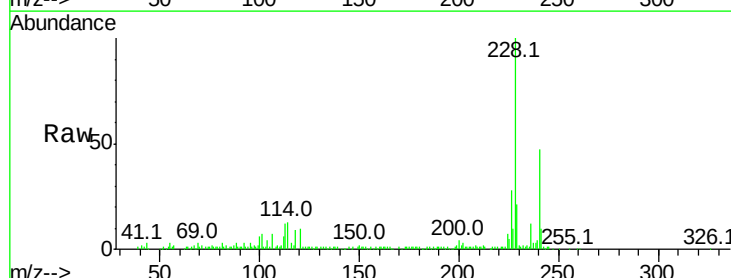
Instrument :
 BNA_F
 ClientSampleId :

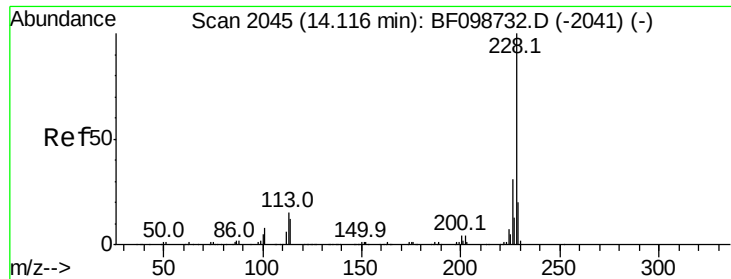
Tot Ion:244 Resp: 330293
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 12.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 9.246 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Tgt Ion:228 Resp: 88220
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 20.8 15.8 23.6

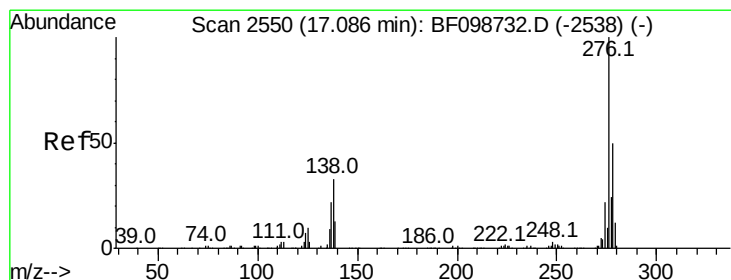
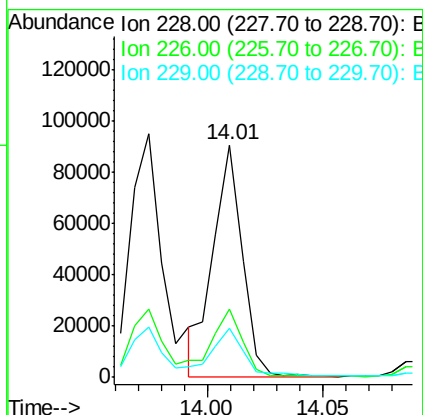
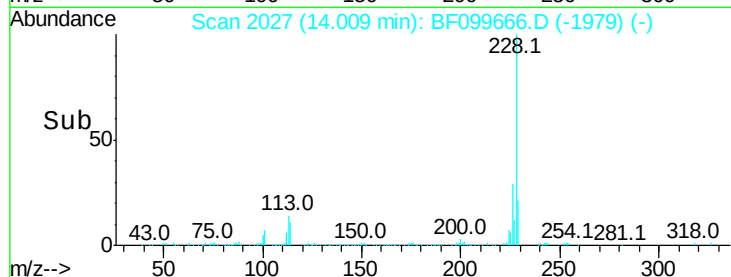
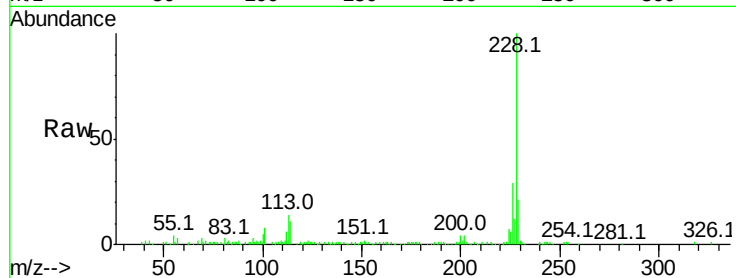




#82
 Chrysene
 Concen: 8.720 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

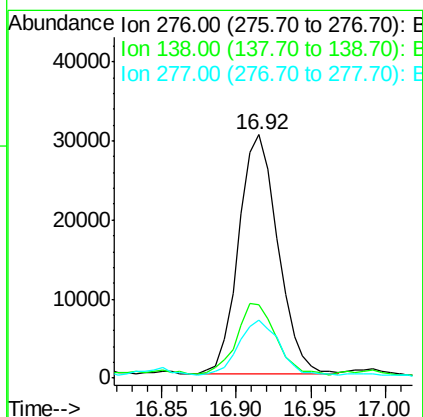
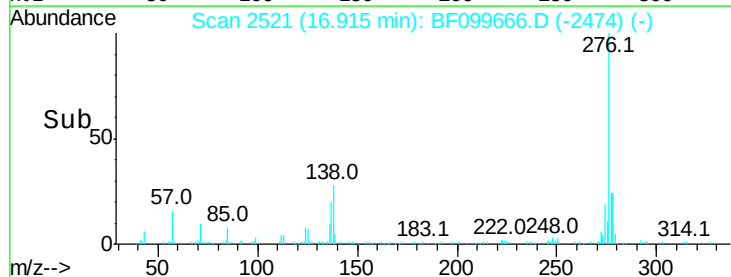
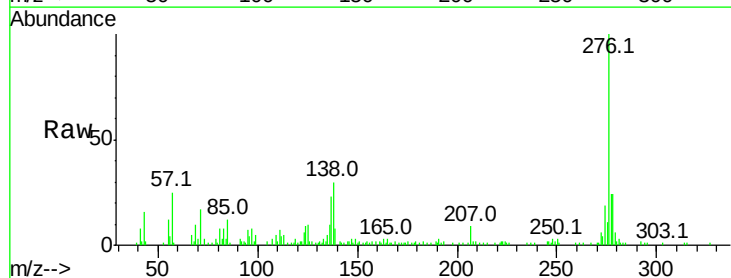
Instrument :
 BNA_F
 ClientSampleId :

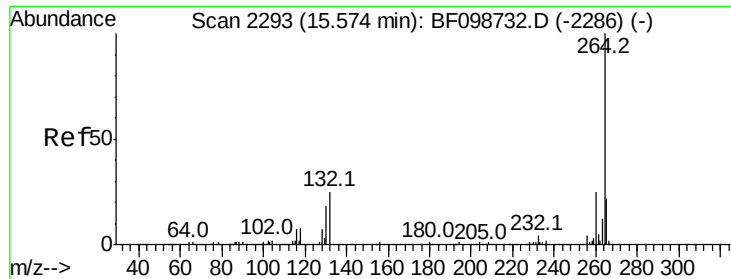
Tot Ion:228 Resp: 79212
 Ion Ratio Lower Upper
 228 100
 226 29.4 25.0 37.6
 229 21.2 16.2 24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.662 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BF099666.D
 Acq: 19 Oct 2017 19:31

Tgt Ion:276 Resp: 55676
 Ion Ratio Lower Upper
 276 100
 138 30.0 25.0 37.6
 277 25.5 20.1 30.1



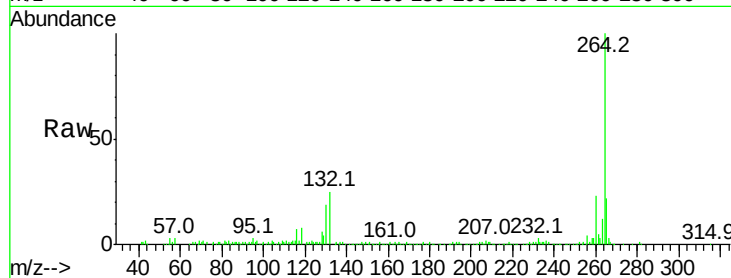


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

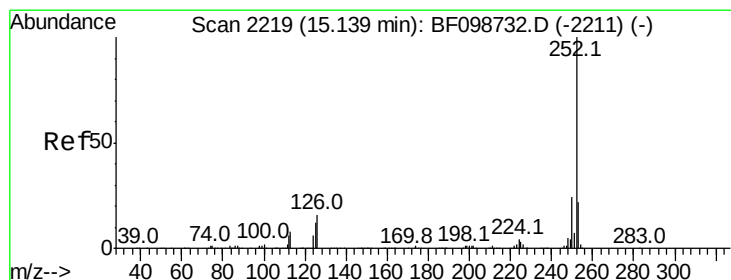
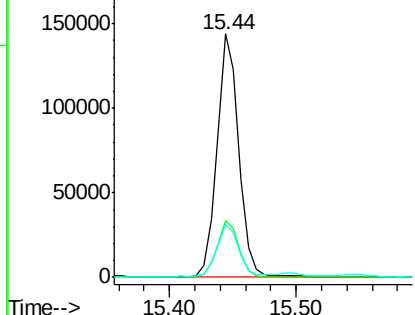
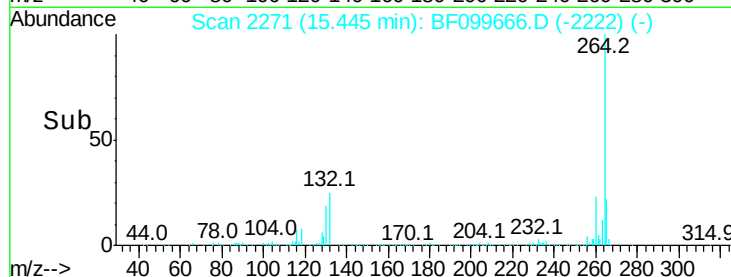
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 174194

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.9	17.5	26.3



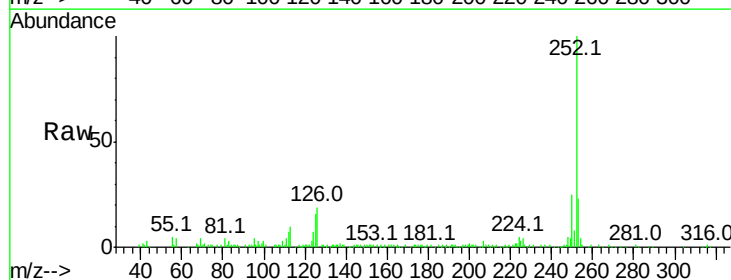
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



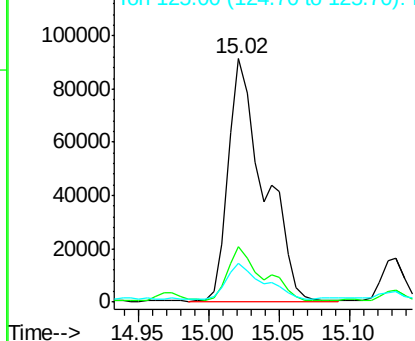
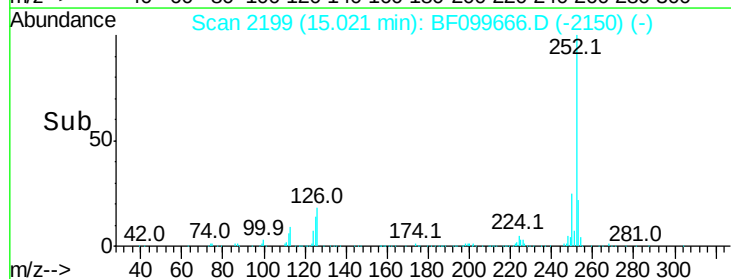
#87
Benzo(b)fluoranthene
Concen: 15.122 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

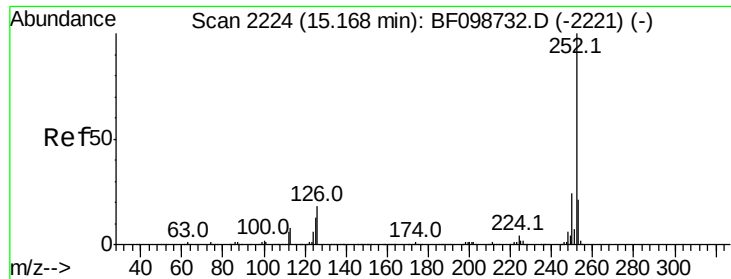
Tgt Ion:252 Resp: 161956

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	15.8	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

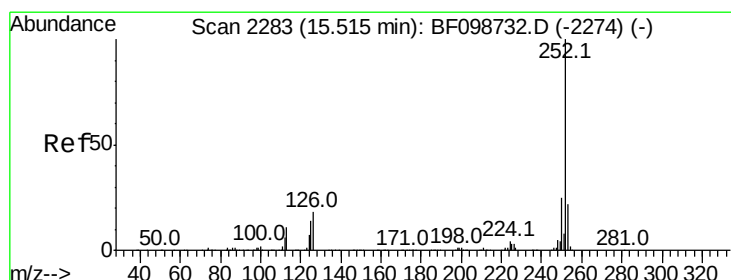
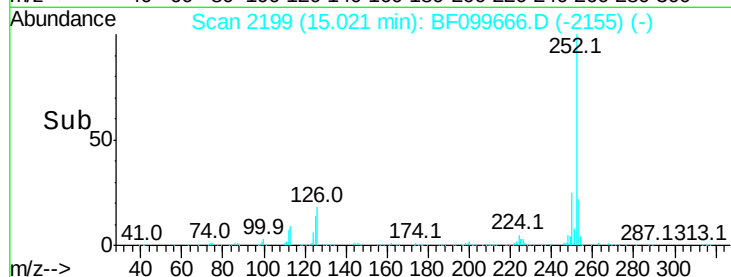
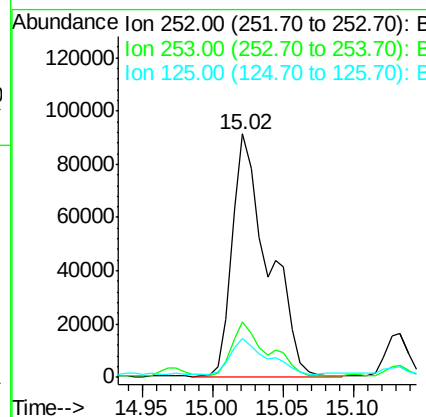
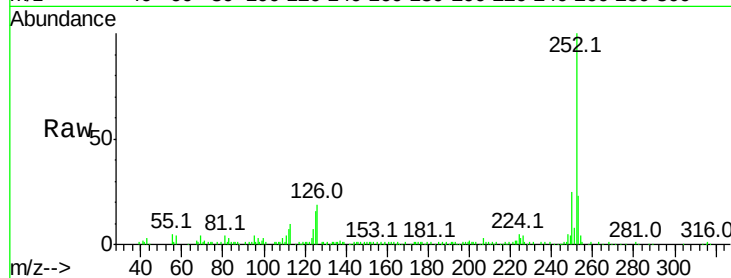




#88
Benzo(k)fluoranthene
Concen: 15.310 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

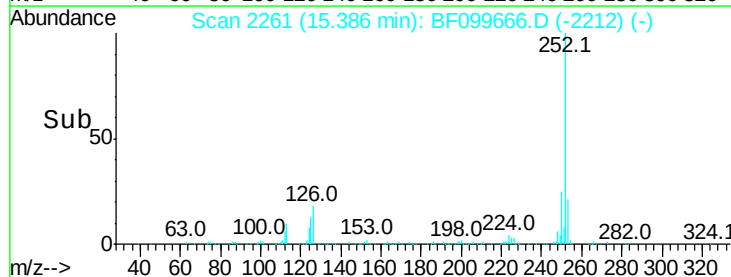
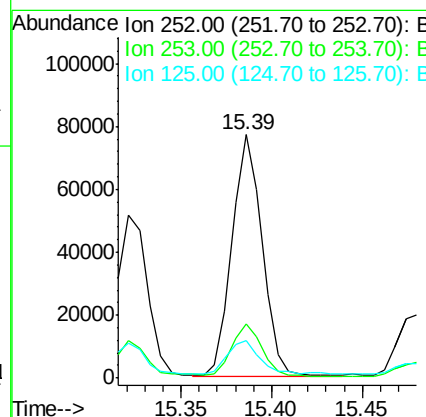
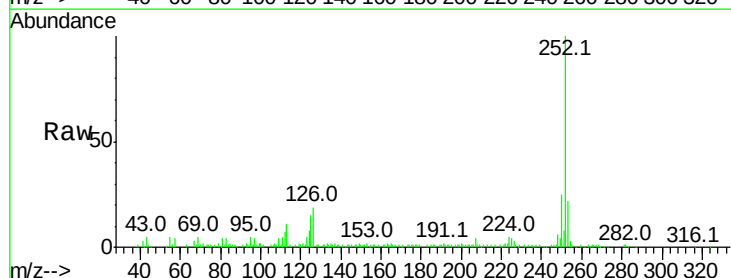
Instrument :
BNA_F
ClientSampleId :

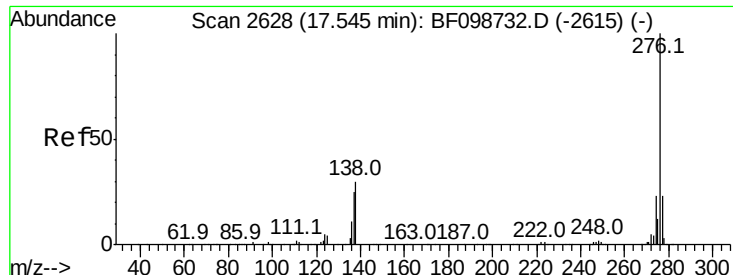
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	15.8	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 9.112 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF099666.D
Acq: 19 Oct 2017 19:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.3	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 7.207 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BF099666.D

Acq: 19 Oct 2017 19:31

Instrument :

BNA_F

ClientSampleId :

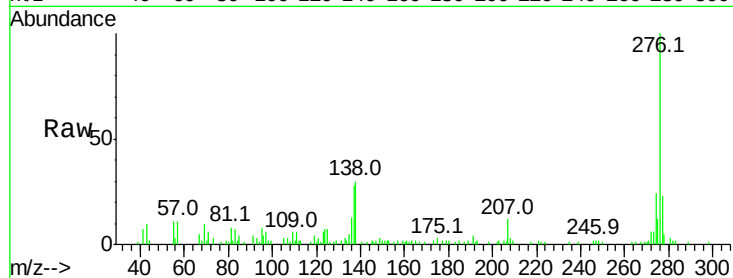
Tot Ion:276 Resp: 56052

Ion Ratio Lower Upper

276 100

277 23.4 17.9 26.9

138 30.4 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

