

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099381.D
 Acq On : 12 Oct 2017 9:08
 Operator : SJ/JU
 Sample : I5530-16 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 16:36:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	144507	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	579301	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	245951	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	366006	20.00	ng	0.00
75) Chrysene-d12	14.02	240	252594	20.00	ng	0.00
86) Perylene-d12	15.49	264	269297	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	141861	15.63	ng	0.00
7) Phenol-d6	6.47	99	172315	15.39	ng	-0.01
23) Nitrobenzene-d5	7.41	82	97597	10.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	25850	12.84	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	191001	12.96	ng	0.00
78) Terphenyl-d14	12.95	244	104137	9.38	ng	0.00

Target Compounds

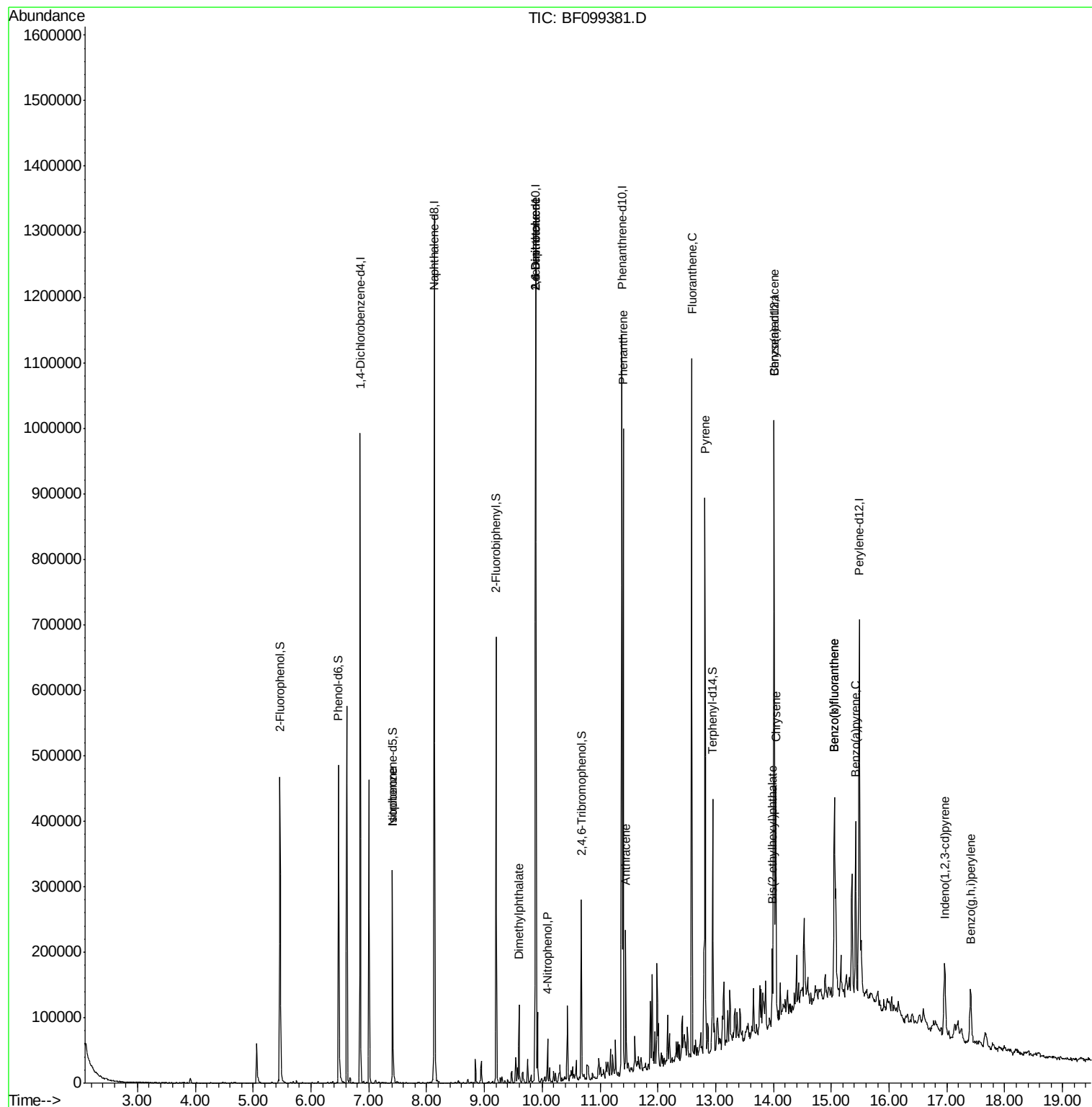
						Qvalue
25) Isophorone	7.41	82	97596	5.226	ng	# 64
49) Dimethylphthalate	9.60	163	43233	2.329	ng	99
50) 2,6-Dinitrotoluene	9.89	165	32268	7.985	ng	# 25
55) 4-Nitrophenol	10.09	139	8720	2.189	ng	# 9
56) 2,4-Dinitrotoluene	9.89	165	32268	6.152	ng	# 23
70) Phenanthrene	11.40	178	329293	16.808	ng	98
71) Anthracene	11.45	178	84965	4.239	ng	98
74) Fluoranthene	12.59	202	374156	18.860	ng	98
77) Pyrene	12.82	202	314950	16.351	ng	99
80) Benzo(a)anthracene	14.00	228	142479	9.315	ng	97
82) Chrysene	14.04	228	131980	9.063	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	27415	2.199	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.96	276	64789	5.562	ng	99
87) Benzo(b)fluoranthene	15.05	252	217604	13.142	ng	# 95
88) Benzo(k)fluoranthene	15.05	252	217604	13.306	ng	98
89) Benzo(a)pyrene	15.42	252	120140	7.905	ng	# 96
91) Benzo(a,h,i)perylene	17.41	276	62904	5.232	ng	96

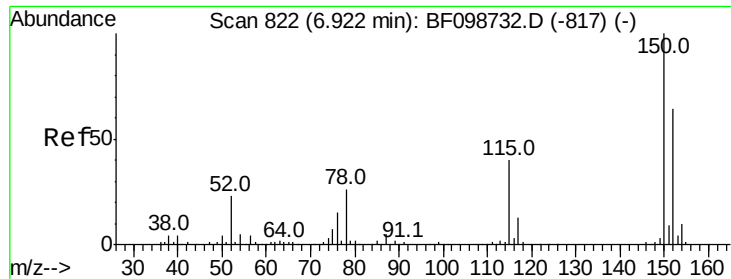
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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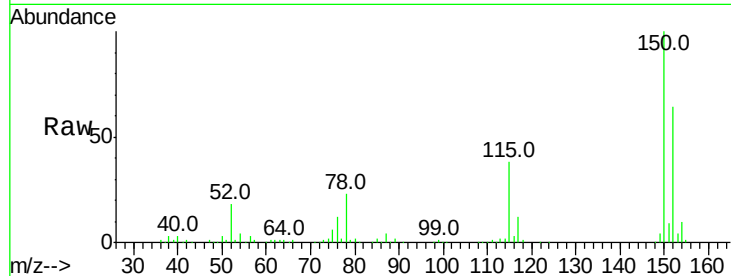


#1

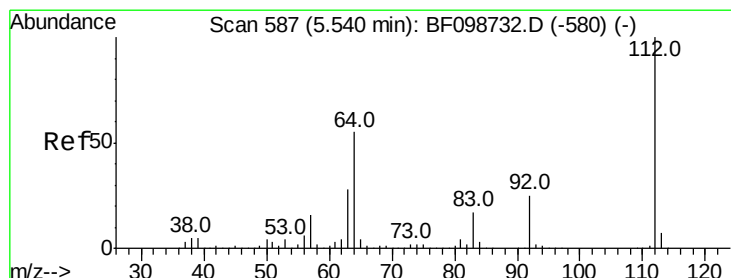
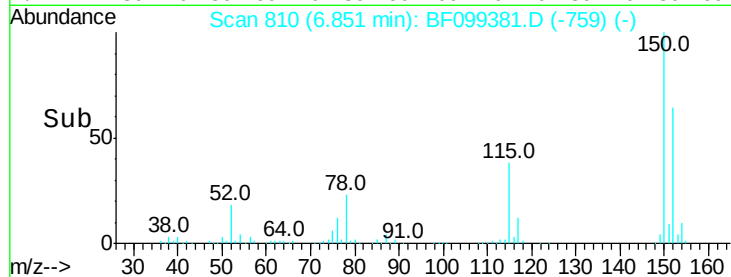
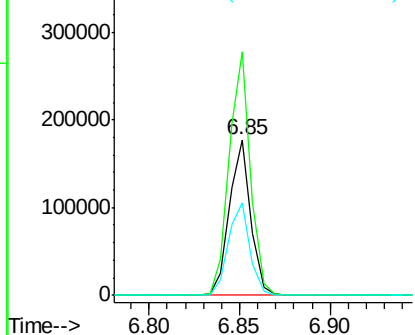
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 144507
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.6 186.8
 115 59.4 50.1 75.1



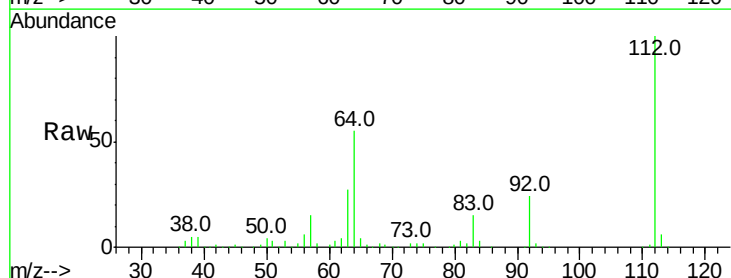
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



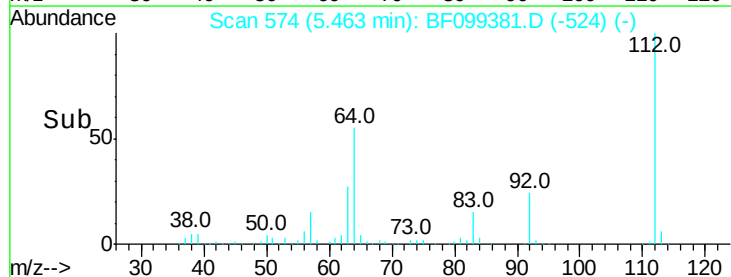
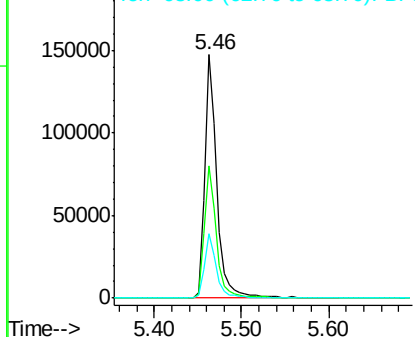
#5

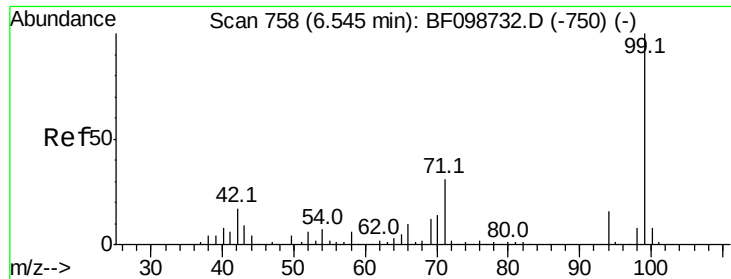
2-Fluorophenol
 Concen: 15.628 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

Tgt Ion:112 Resp: 141861
 Ion Ratio Lower Upper
 112 100
 64 54.5 47.9 71.9
 63 26.7 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: 15.388 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Instrument :

BNA_F

ClientSampled :

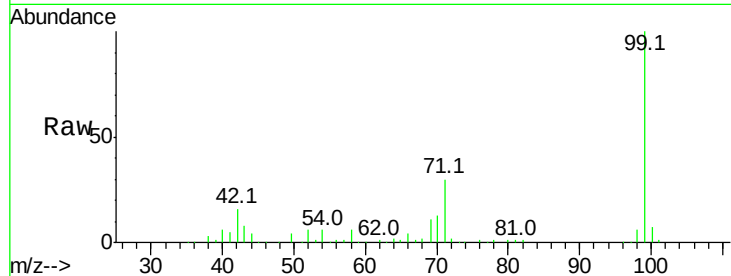
Tot Ion: 99 Resp: 172315

Ion Ratio Lower Upper

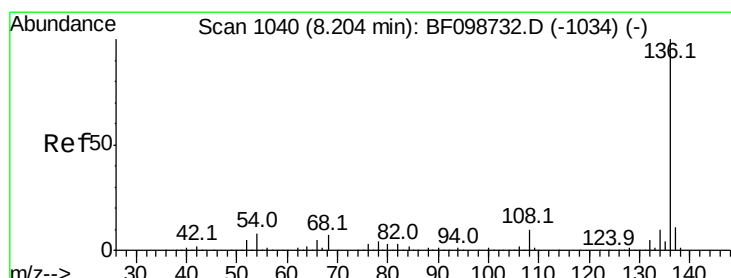
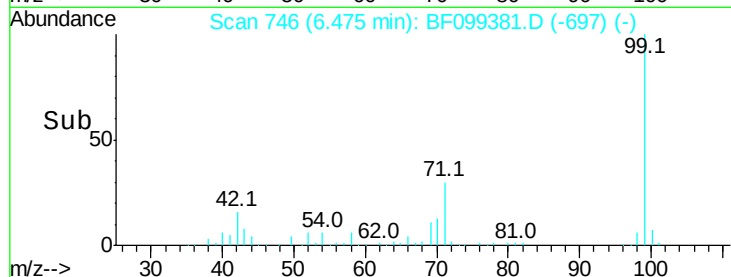
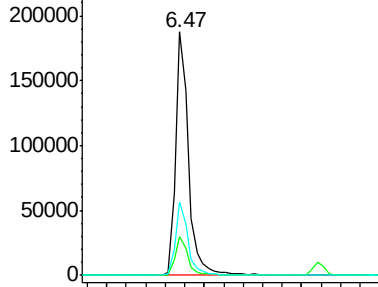
99 100

42 15.9 14.5 21.7

71 29.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Tgt Ion: 136 Resp: 579301

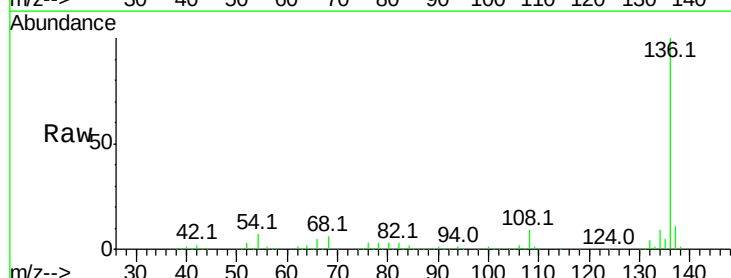
Ion Ratio Lower Upper

136 100

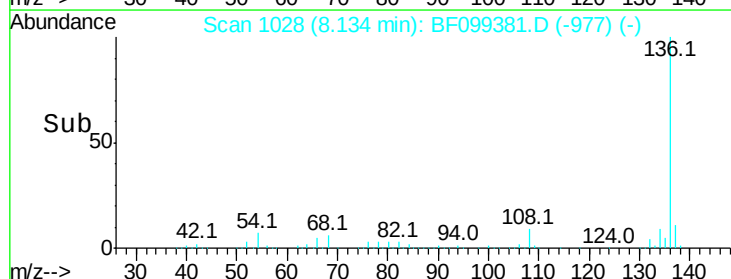
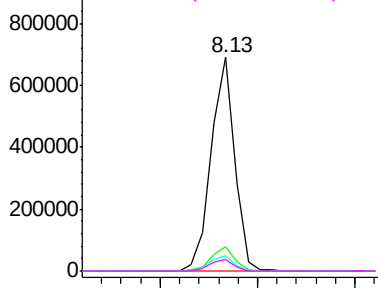
137 11.3 8.9 13.3

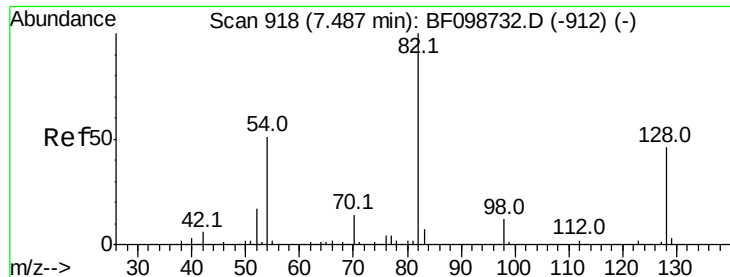
54 7.1 6.6 9.8

68 5.5 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 10.804 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Instrument :

BNA_F

ClientSampleId :

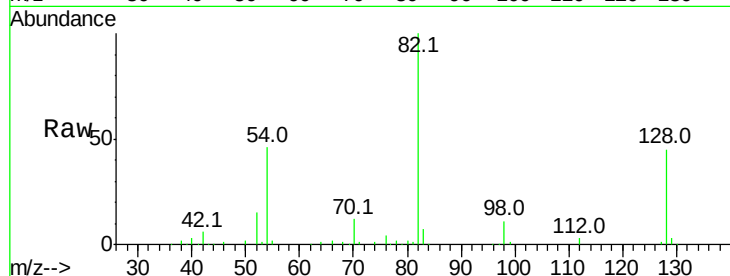
Tot Ion: 82 Resp: 97597

Ion Ratio Lower Upper

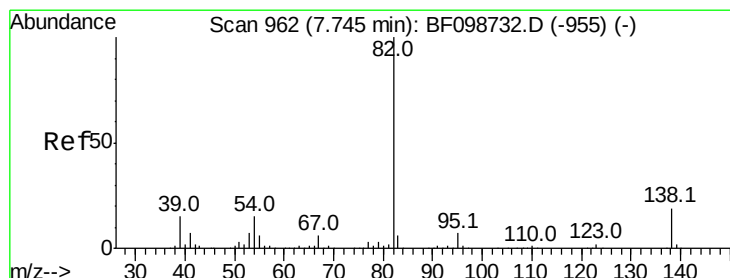
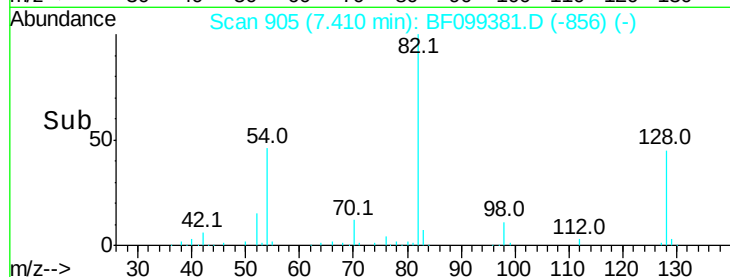
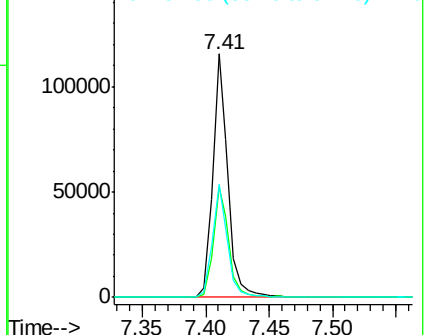
82 100

128 45.5 36.1 54.1

54 46.3 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: 5.226 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

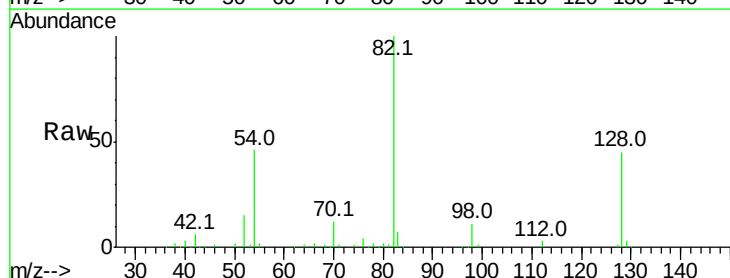
Tgt Ion: 82 Resp: 97596

Ion Ratio Lower Upper

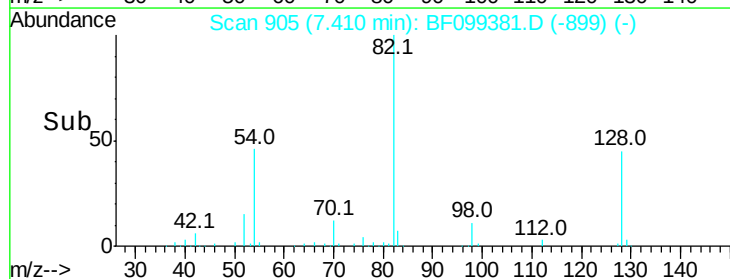
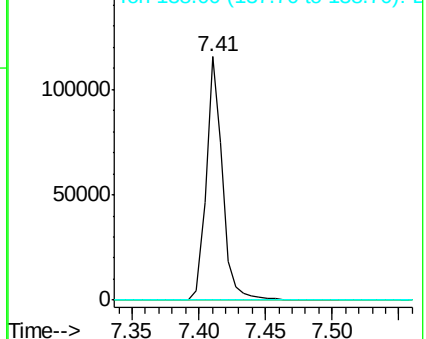
82 100

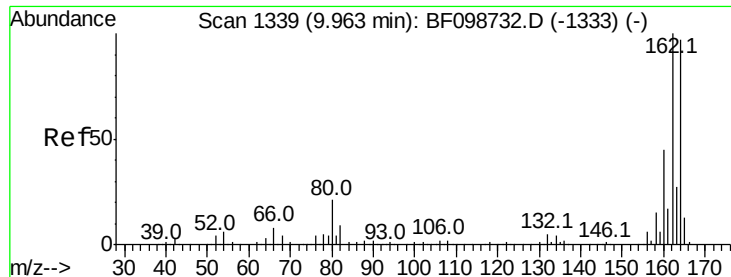
95 0.0 5.2 7.8#

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

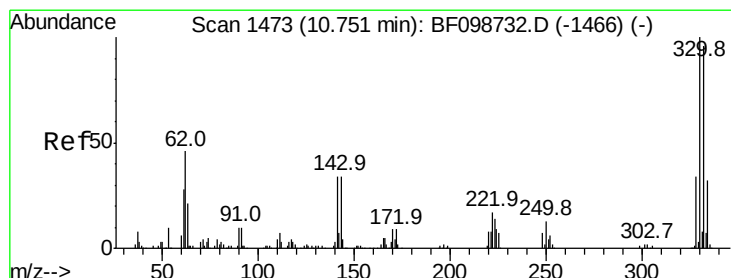
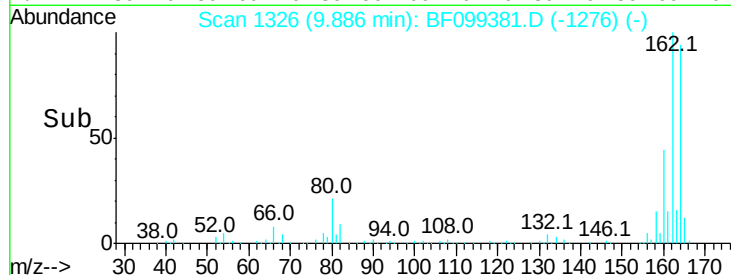
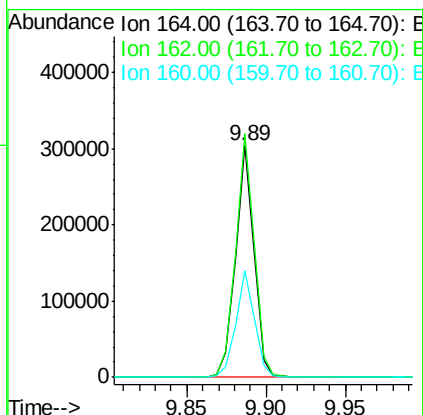
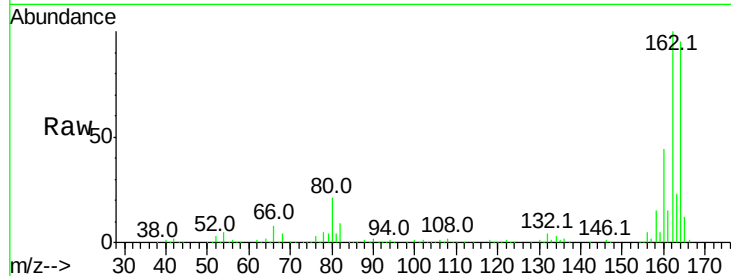




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

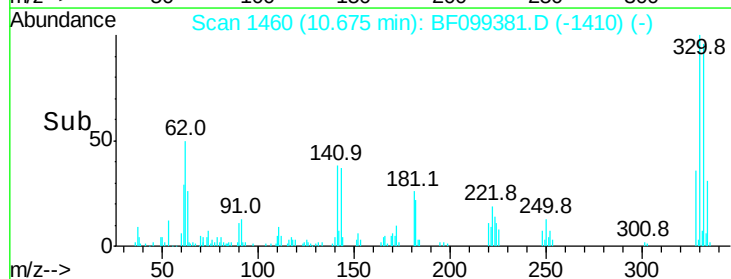
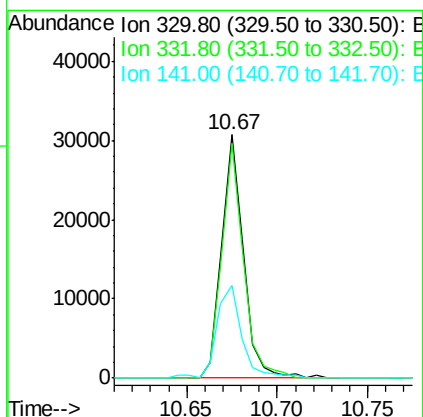
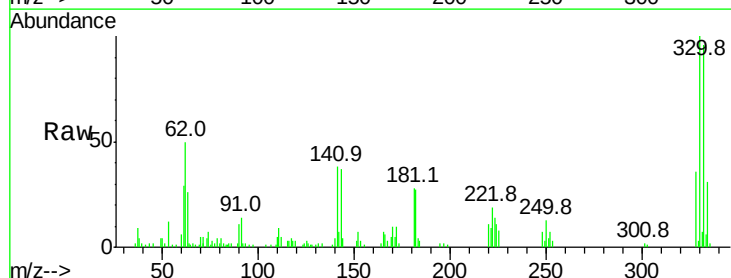
Instrument :
BNA_F
ClientSampleId :

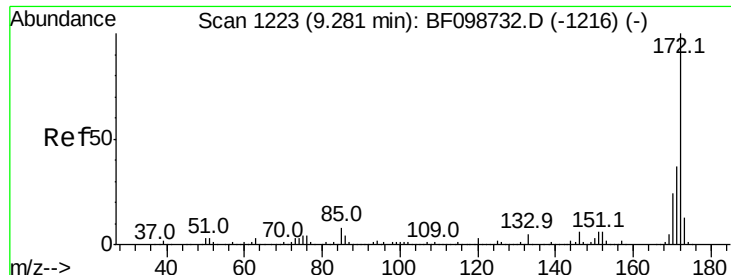
Tot Ion:164 Resp: 245951
Ion Ratio Lower Upper
164 100
162 105.2 86.1 129.1
160 45.9 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 12.844 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Tgt Ion:330 Resp: 25850
Ion Ratio Lower Upper
330 100
332 95.0 77.0 115.6
141 44.0 29.9 44.9

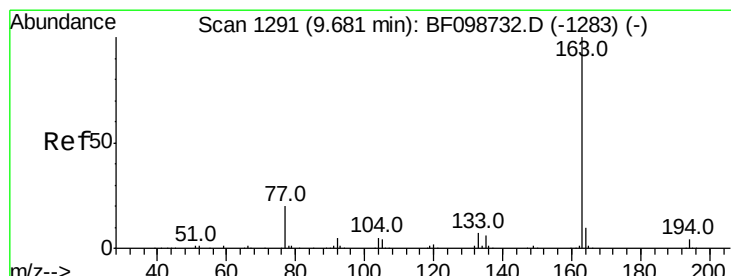
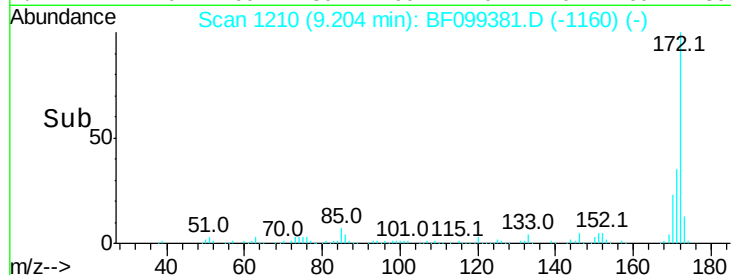
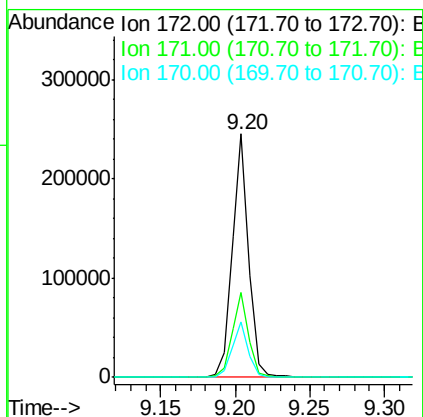
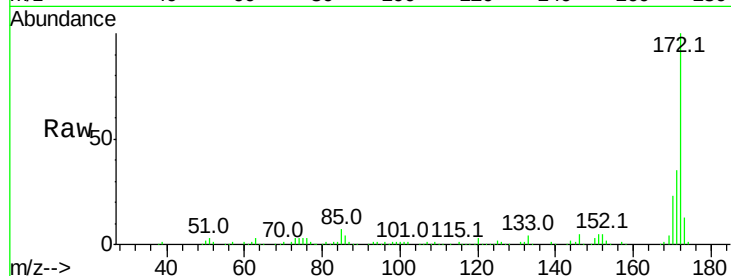




#44
 2-Fluorobiphenyl
 Concen: 12.964 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

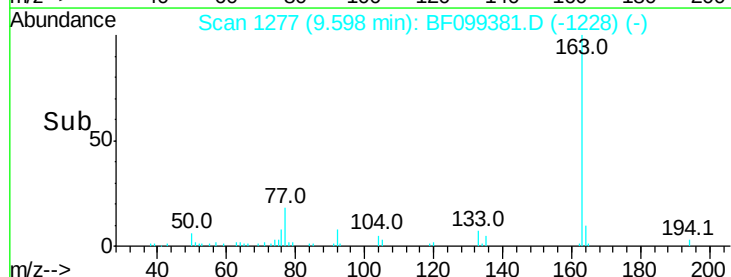
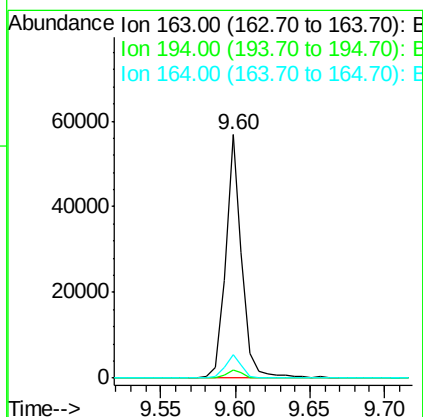
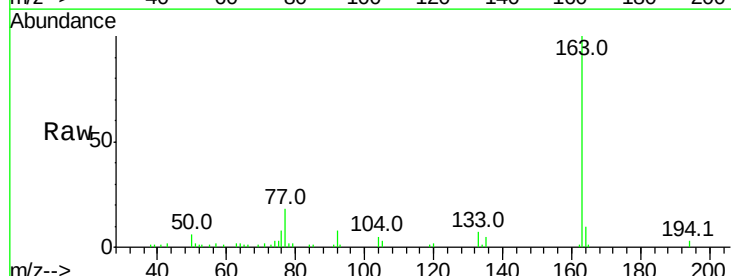
Instrument :
 BNA_F
 ClientSampleId :

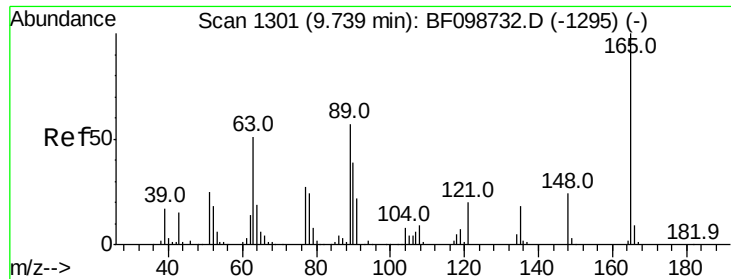
Tot Ion:172	Resp:	191001
Ion Ratio	Lower	Upper
172	100	
171	35.1	29.7 44.5
170	22.6	19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.329 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

Tgt Ion:163	Resp:	43233
Ion Ratio	Lower	Upper
163	100	
194	3.3	2.7 4.1
164	9.6	8.2 12.2





#50

2,6-Dinitrotoluene

Concen: 7.985 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.21 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Instrument :

BNA_F

ClientSampleId :

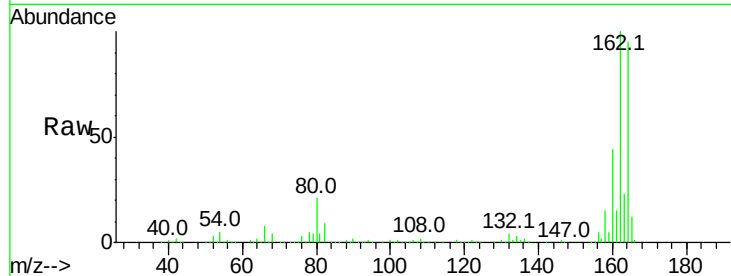
Tot Ion:165 Resp: 32268

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

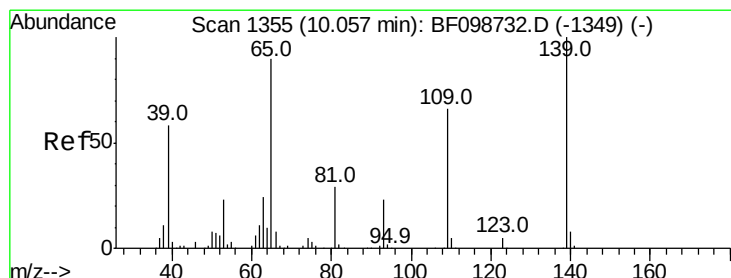
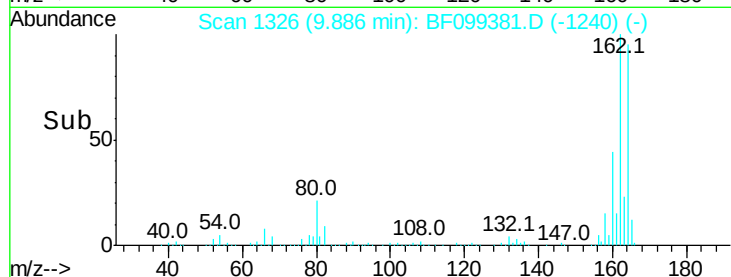
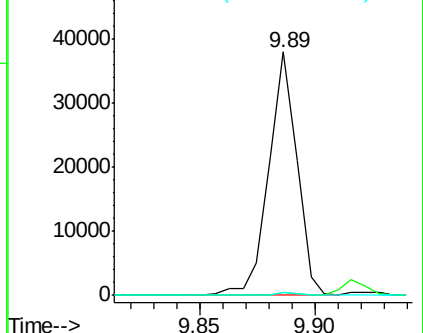
89 1.2 44.0 66.0#



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



#55

4-Nitrophenol

Concen: 2.189 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.08 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

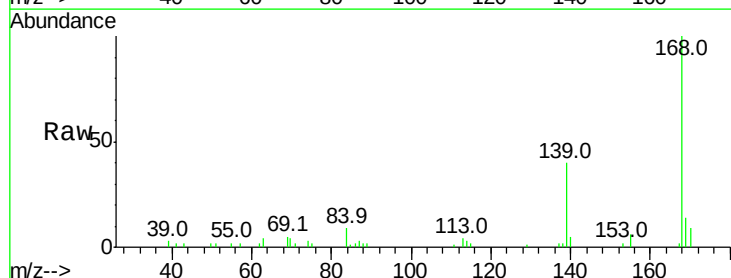
Tgt Ion:139 Resp: 8720

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

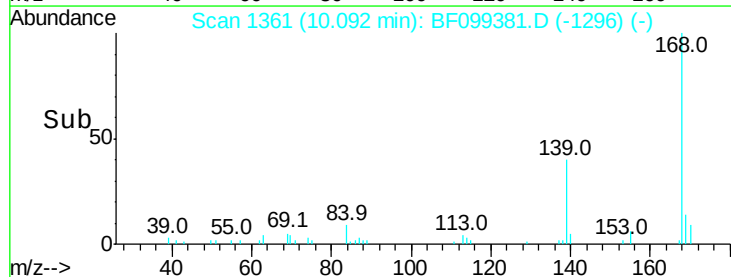
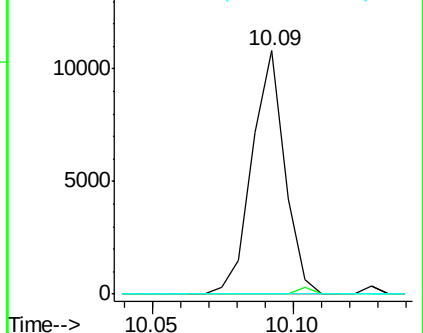
65 0.0 72.6 112.6#

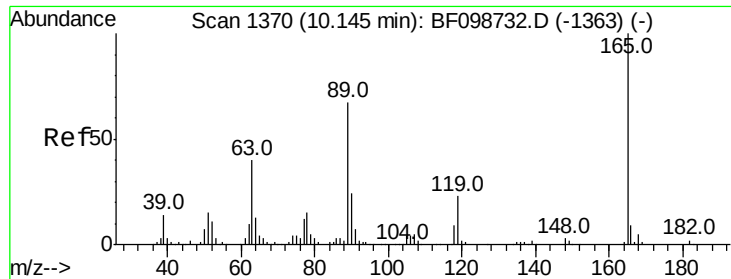


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

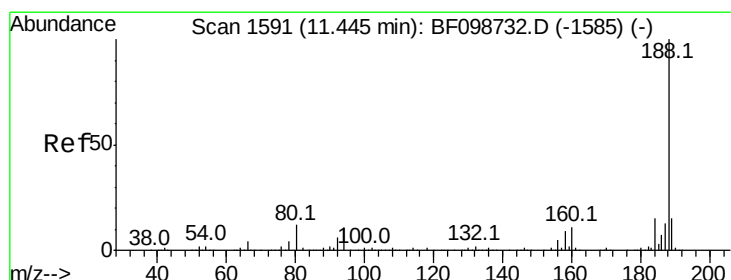
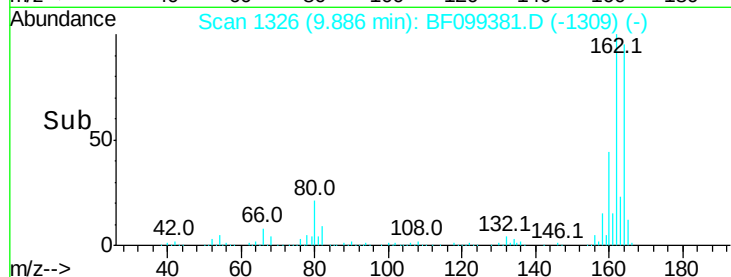
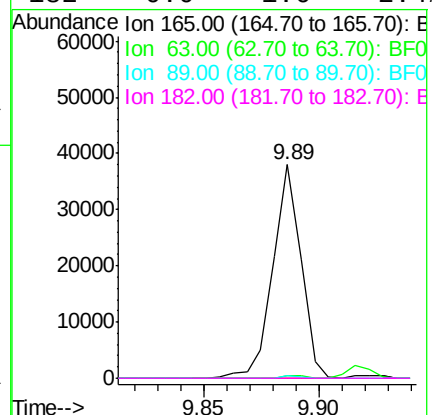
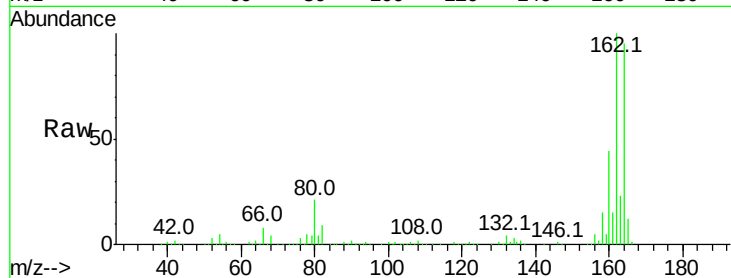




#56
 2,4-Dinitrotoluene
 Concen: 6.152 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

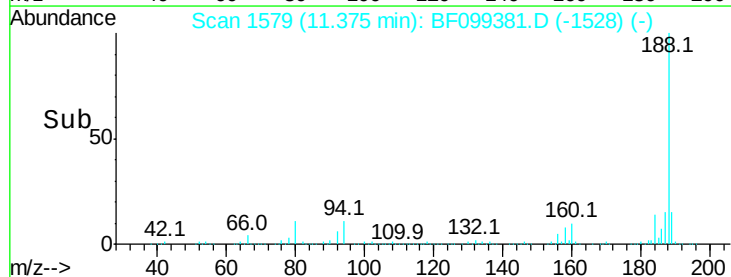
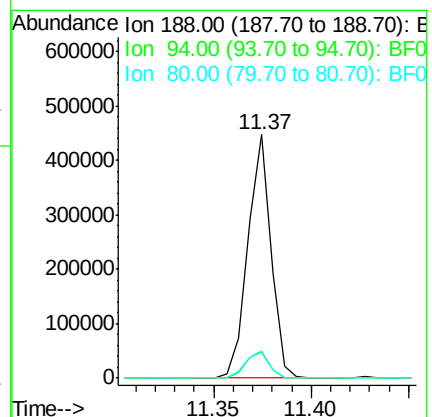
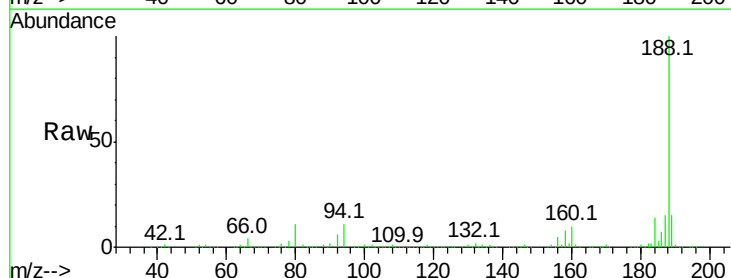
Instrument :
 BNA_F
 ClientSampleId :

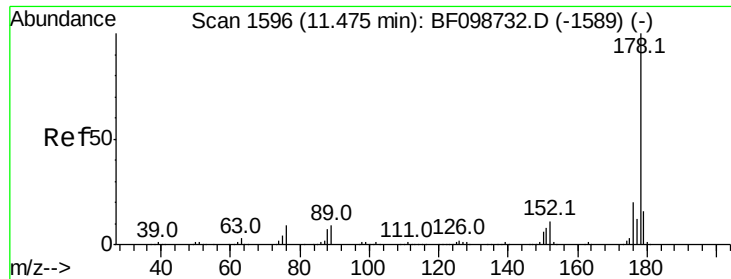
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.0	9.2	13.8

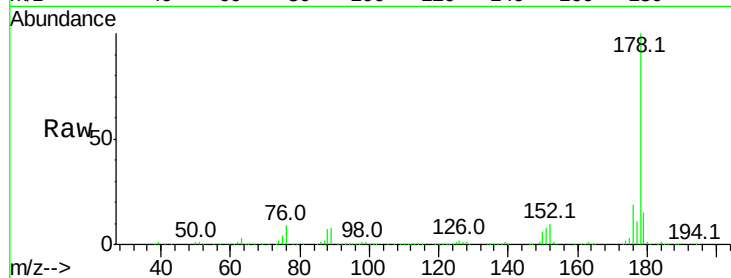




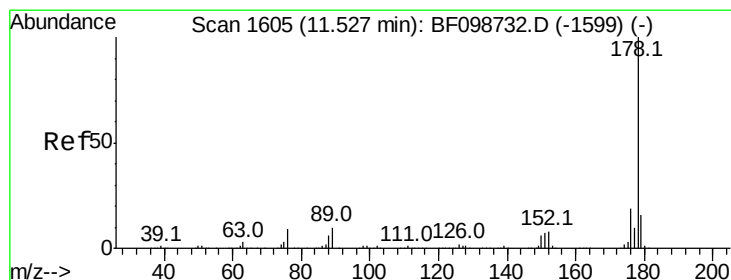
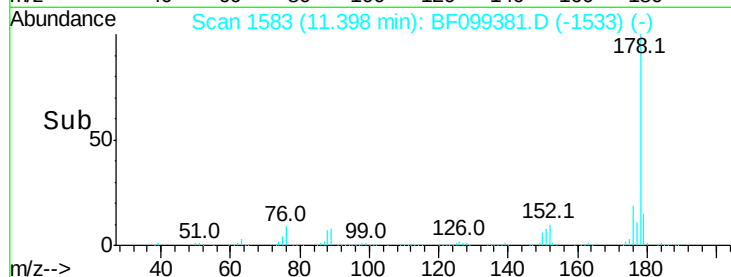
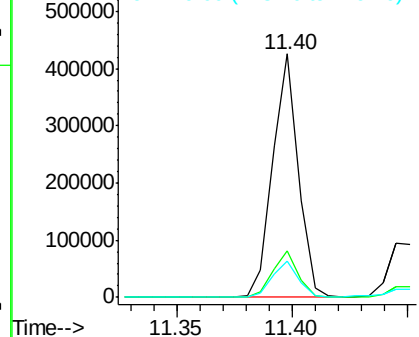
#70
Phenanthrene
Concen: 16.808 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 329293
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.9 13.0 19.6

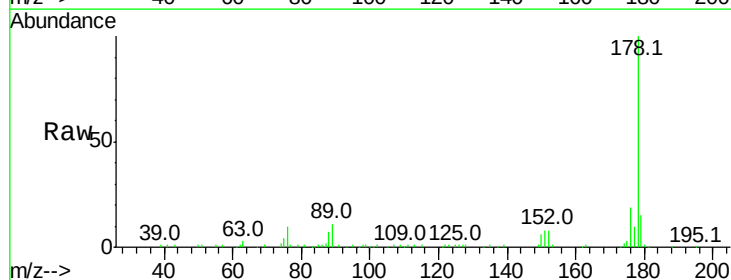


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

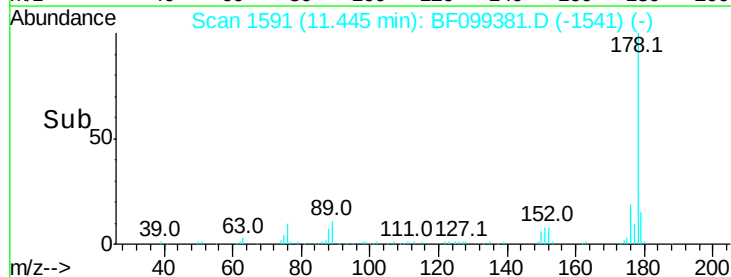
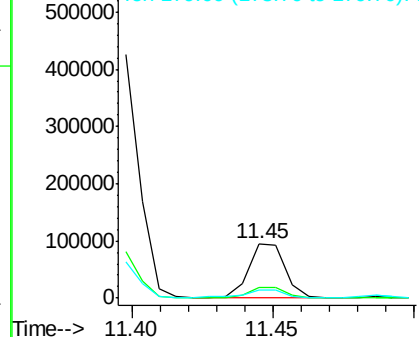


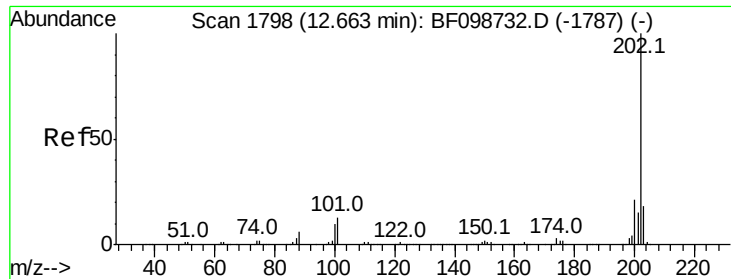
#71
Anthracene
Concen: 4.239 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Tgt Ion:178 Resp: 84965
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 14.9 12.6 19.0



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

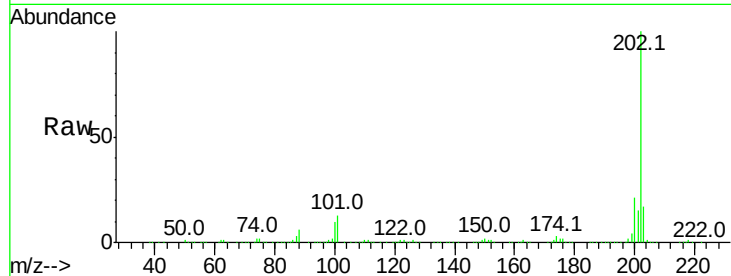




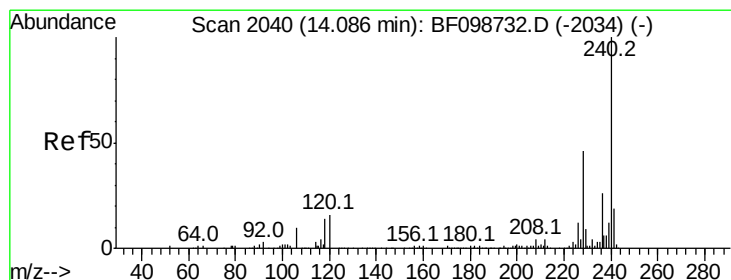
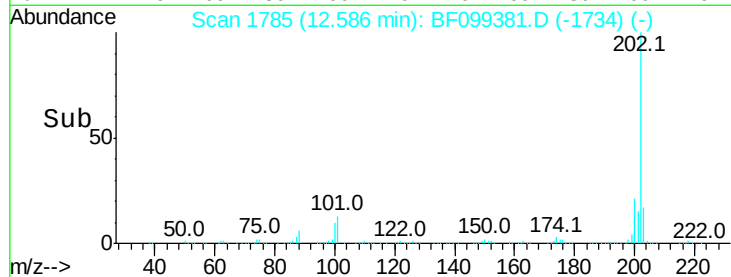
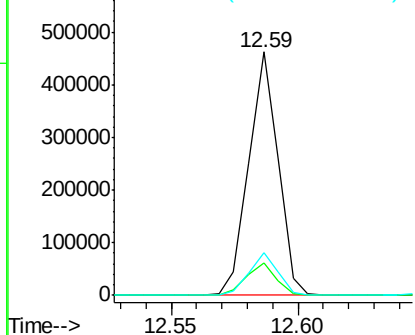
#74
Fluoranthene
Concen: 18.860 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 374156
Ion Ratio Lower Upper
202 100
101 13.4 0.0 34.1
203 17.3 0.0 38.1

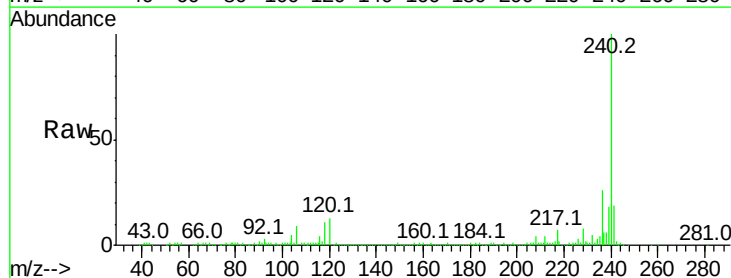


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

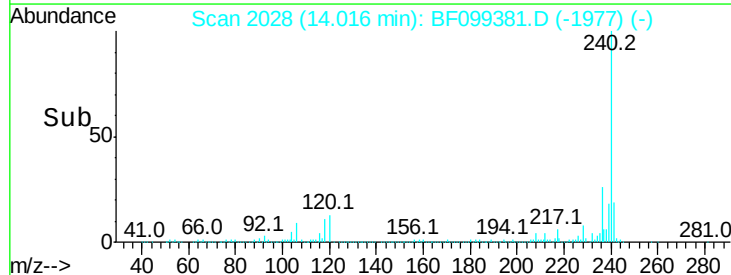
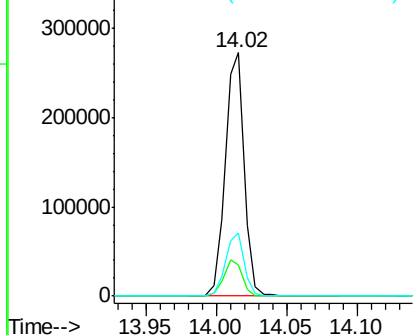


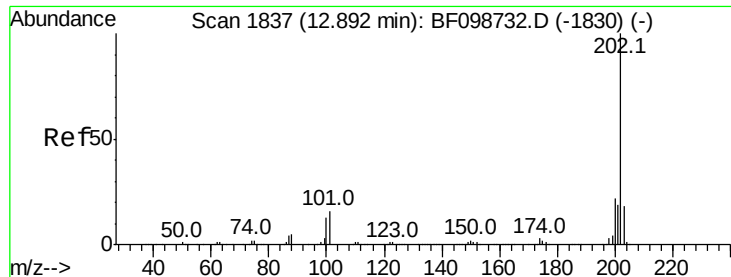
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Tgt Ion:240 Resp: 252594
Ion Ratio Lower Upper
240 100
120 12.7 9.5 14.3
236 25.8 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: 16.351 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Instrument :

BNA_F

ClientSampleId :

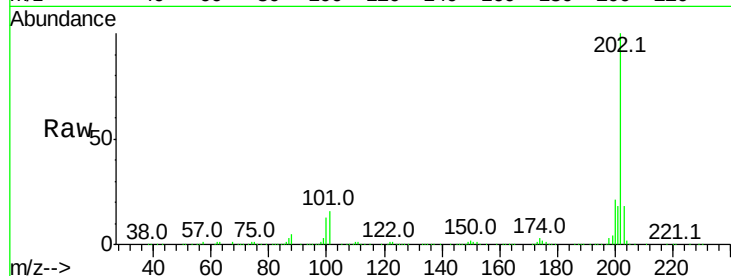
Tot Ion:202 Resp: 314950

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

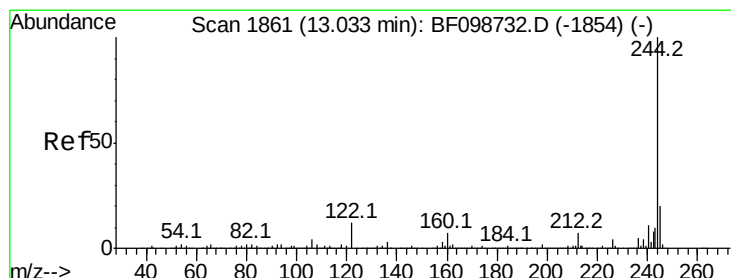
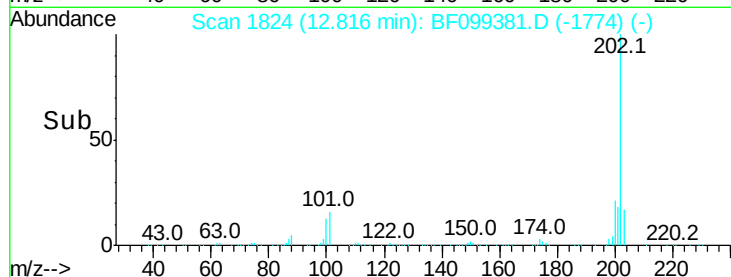
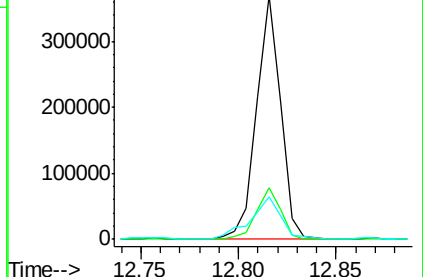
203 17.6 14.3 21.5



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: 9.376 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

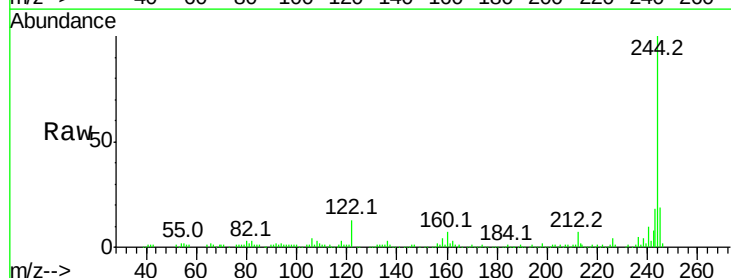
Tgt Ion:244 Resp: 104137

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

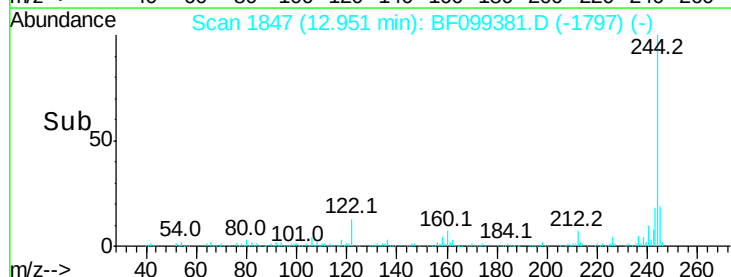
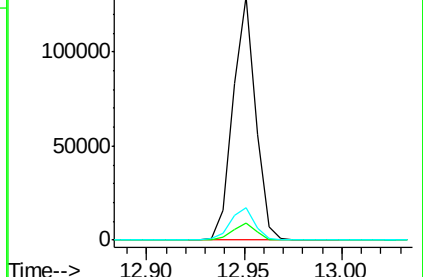
122 13.1 11.0 16.4

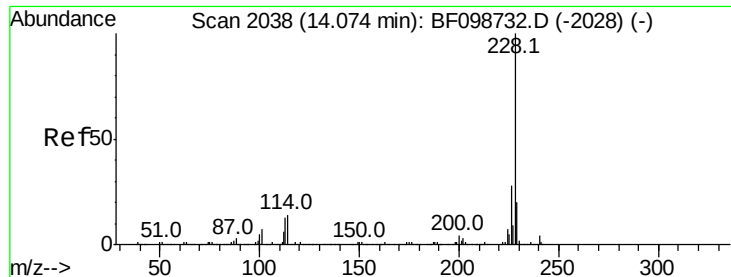


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

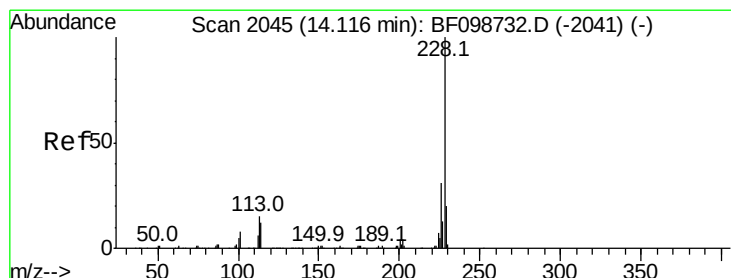
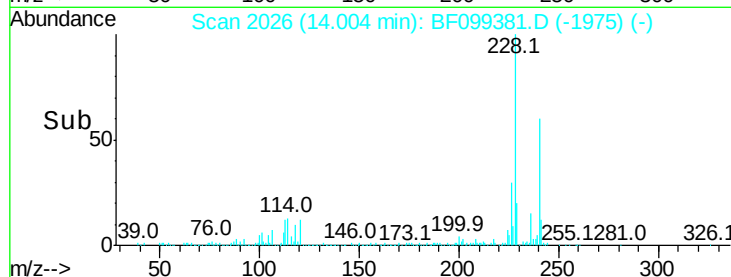
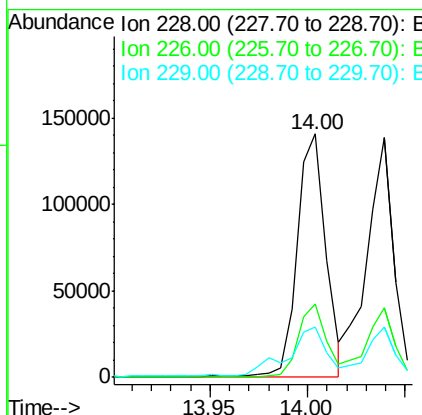
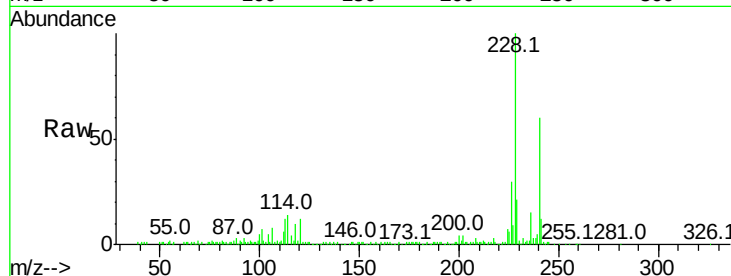




#80
Benzo(a)anthracene
Concen: 9.315 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

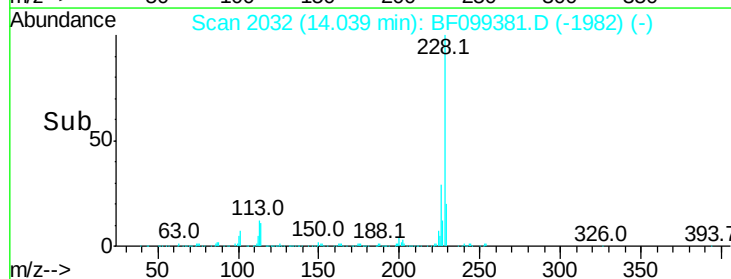
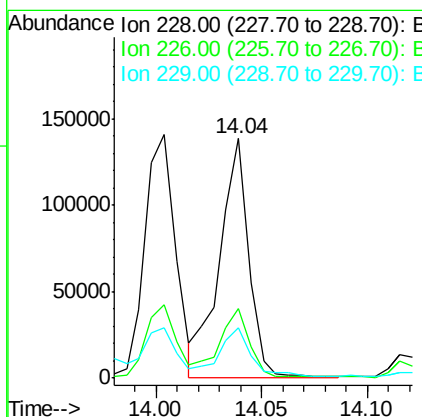
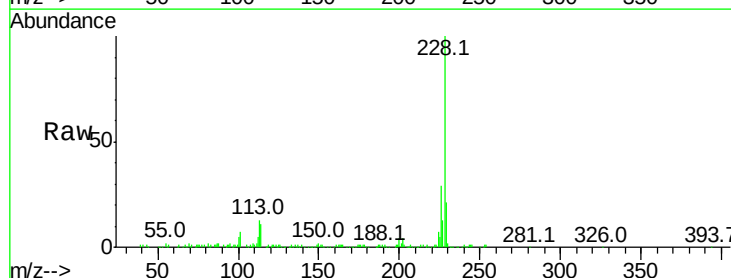
Instrument :
BNA_F
ClientSampleId :

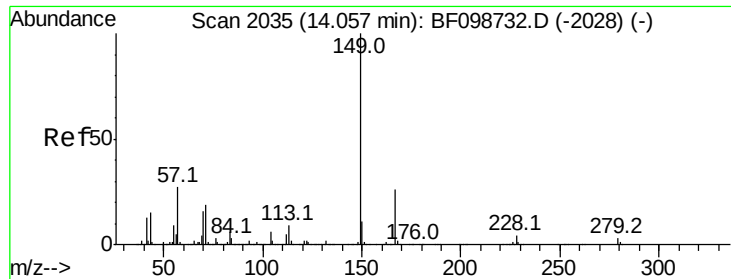
Tot Ion:228 Resp: 142479
Ion Ratio Lower Upper
228 100
226 30.1 22.6 33.8
229 20.7 15.8 23.6



#82
Chrysene
Concen: 9.063 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Tgt Ion:228 Resp: 131980
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 21.2 16.2 24.4

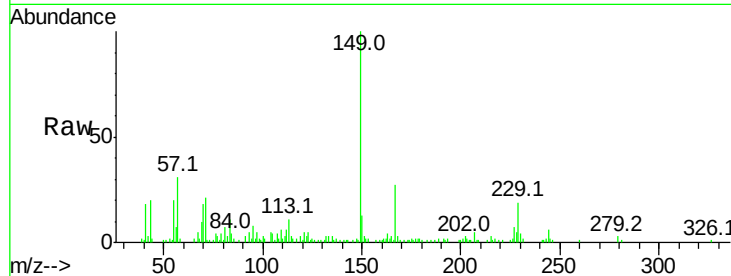




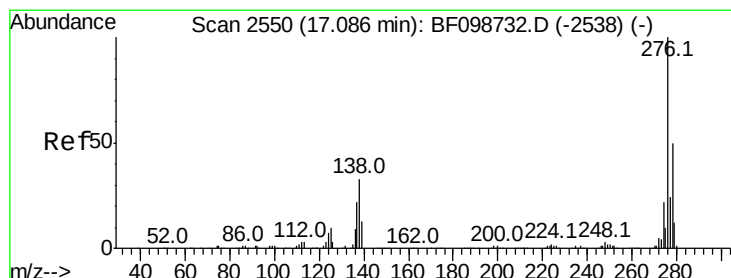
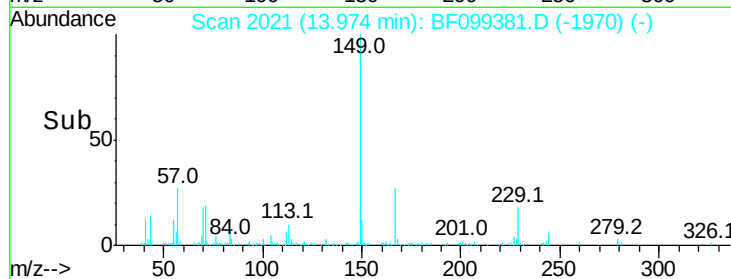
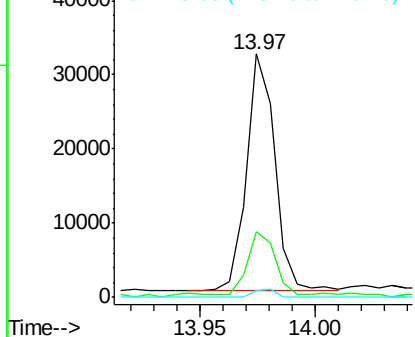
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.199 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 27415
 Ion Ratio Lower Upper
 149 100
 167 26.8 21.3 31.9
 279 2.7 3.0 4.4#

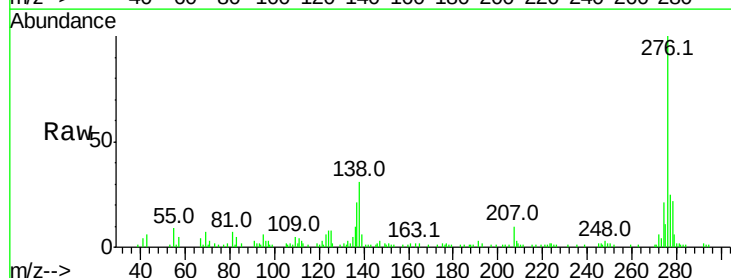


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

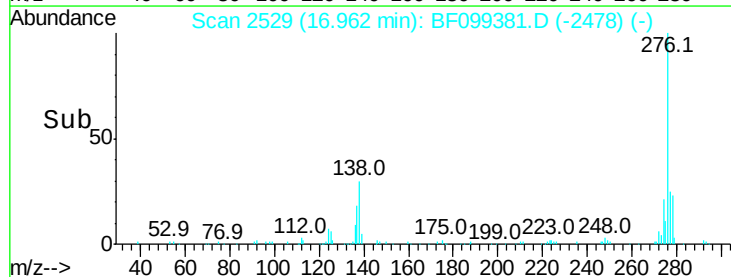
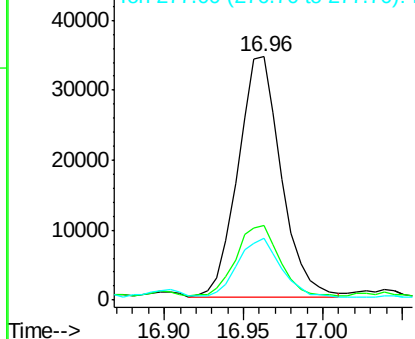


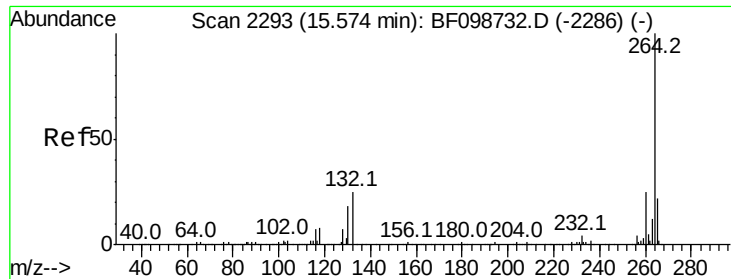
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.562 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: BF099381.D
 Acq: 12 Oct 2017 9:08

Tgt Ion:276 Resp: 64789
 Ion Ratio Lower Upper
 276 100
 138 30.0 25.0 37.6
 277 24.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

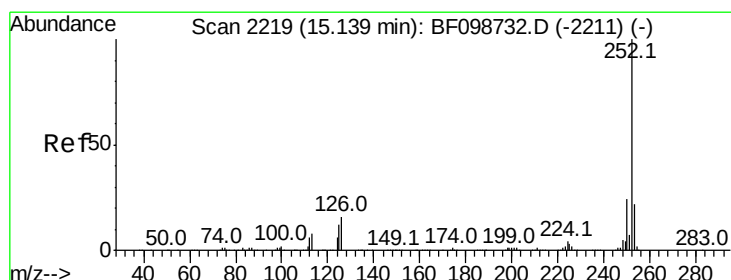
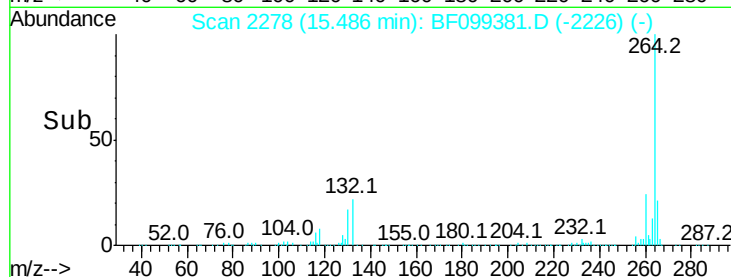
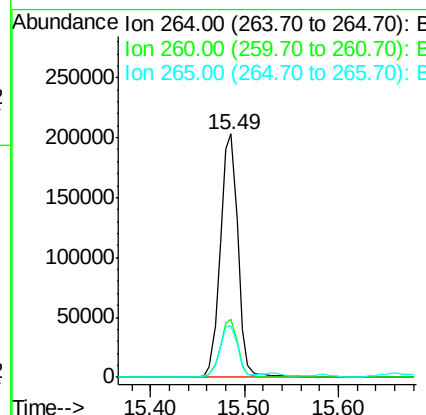
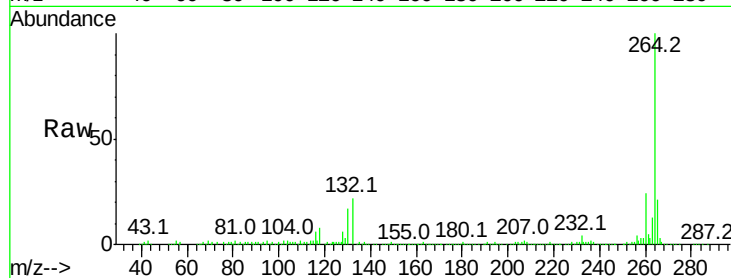




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

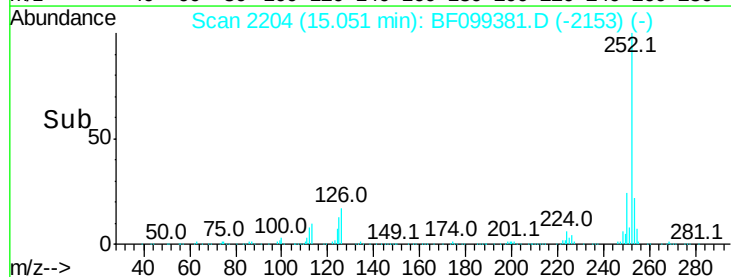
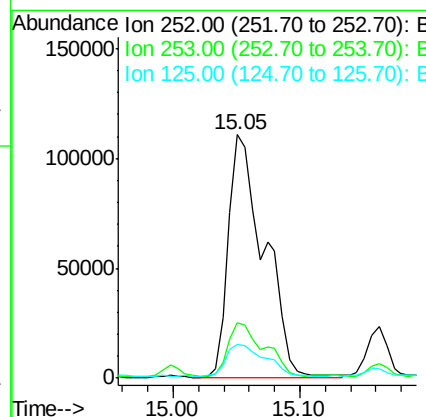
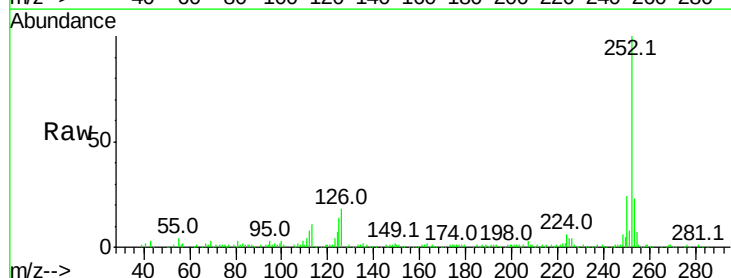
Instrument :
BNA_F
ClientSampled :

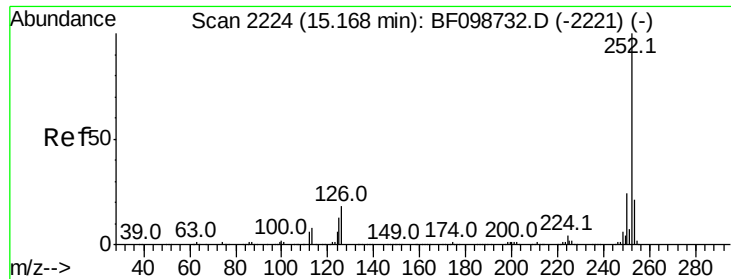
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 13.142 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF099381.D
Acq: 12 Oct 2017 9:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	14.1	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 13.306 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.03 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Instrument :

BNA_F

ClientSampled :

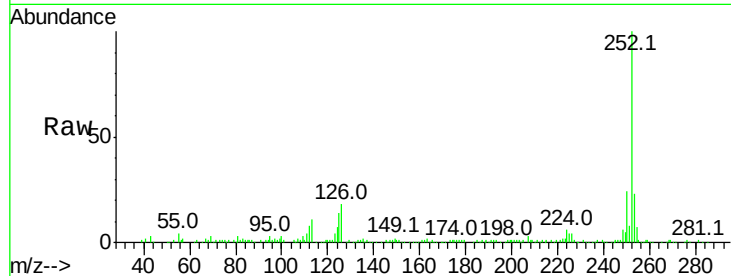
Tot Ion:252 Resp: 217604

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

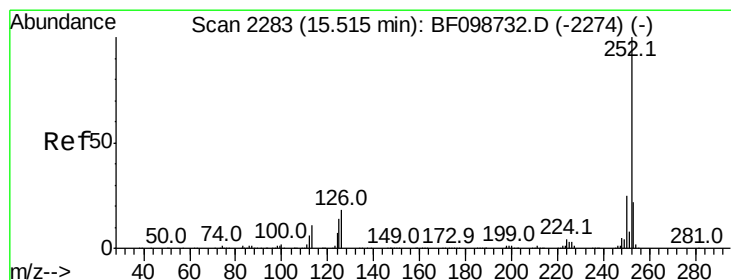
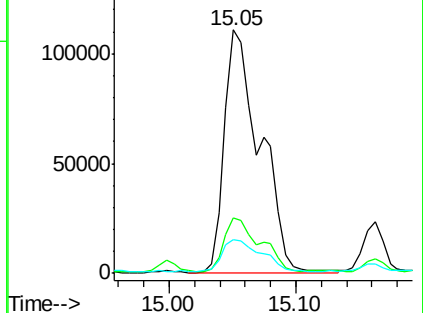
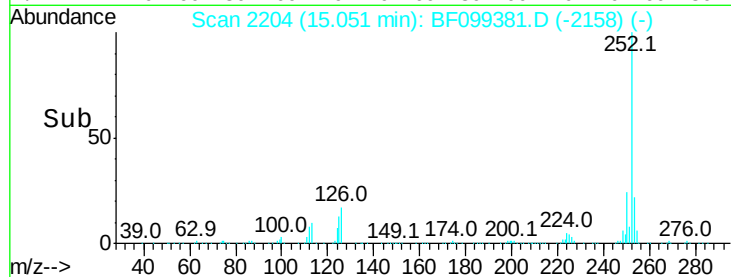
125 14.1 10.2 15.2



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



#89

Benzo(a)pyrene

Concen: 7.905 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

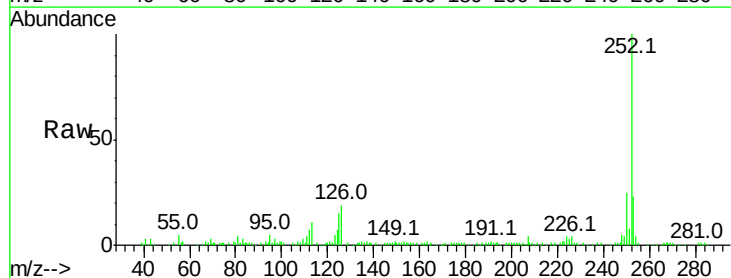
Tgt Ion:252 Resp: 120140

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

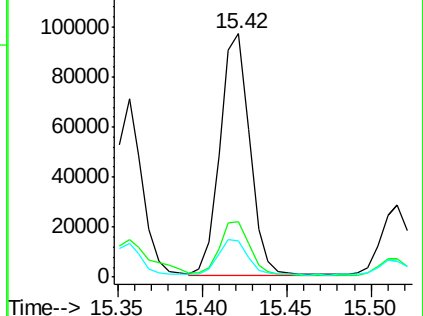
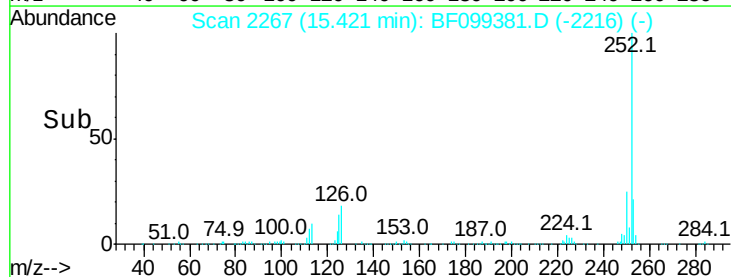
125 14.8 9.8 14.6#

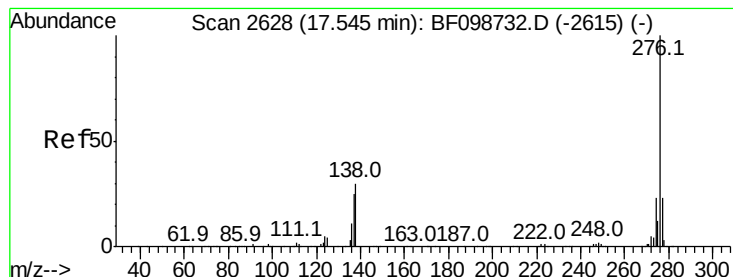


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 5.232 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.00 min

Lab File: BF099381.D

Acq: 12 Oct 2017 9:08

Instrument :

BNA_F

ClientSampleId :

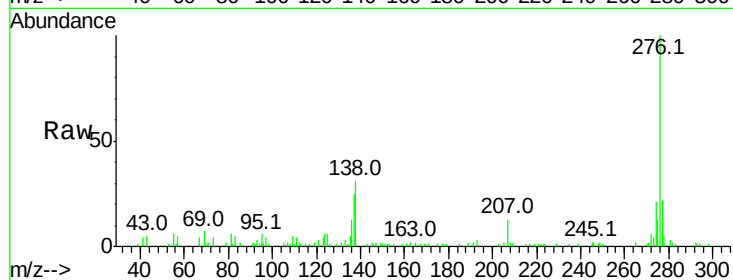
Tot Ion:276 Resp: 62904

Ion Ratio Lower Upper

276 100

277 22.2 17.9 26.9

138 31.2 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

