

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099526.D
 Acq On : 15 Oct 2017 21:08
 Operator : SJ/JU
 Sample : I5821-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:09:22 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

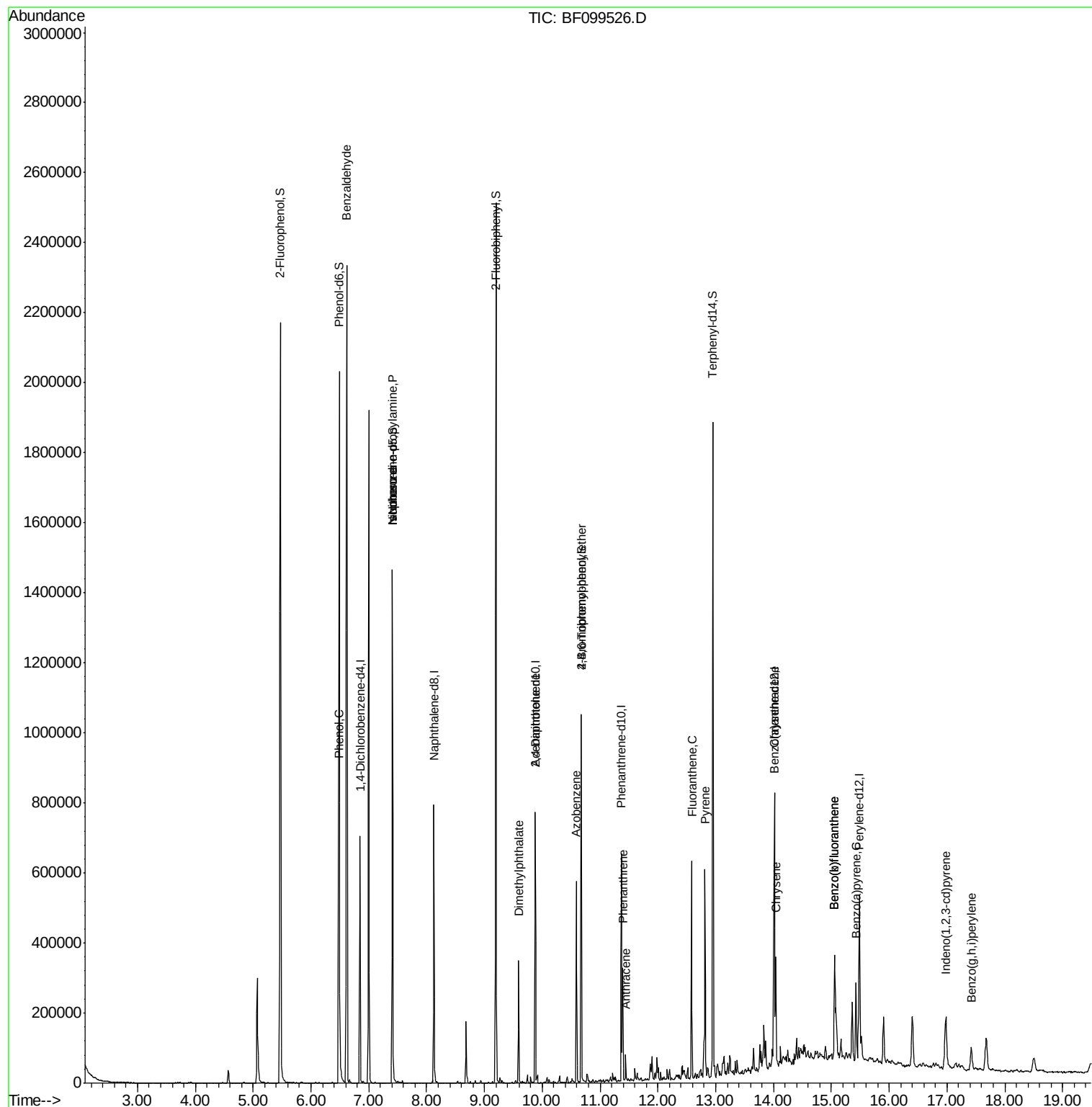
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	100027	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	377142	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	140066	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	208442	20.00	ng	0.00
75) Chrysene-d12	14.02	240	203398	20.00	ng	0.00
86) Perylene-d12	15.49	264	189514	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	697607	111.02	ng	0.00
7) Phenol-d6	6.49	99	807886	104.22	ng	0.00
23) Nitrobenzene-d5	7.41	82	468763	79.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	116879	101.98	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	818150	97.51	ng	-0.01
78) Terphenyl-d14	12.95	244	596606	66.71	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	13070	2.91	ng	86
10) Phenol	6.50	94	49317	5.69	ng	95
19) n-Nitroso-di-n-propylamine	7.41	70	59995	12.12	ng	# 73
25) Isophorone	7.41	82	468760	38.55	ng	# 64
49) Dimethylphthalate	9.59	163	126781	11.99	ng	99
56) 2,4-Dinitrotoluene	9.88	165	17872	5.98	ng	# 21
62) Azobenzene	10.59	77	86736	9.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	8130	3.98	ng	# 1
70) Phenanthrene	11.39	178	109451	9.81	ng	98
71) Anthracene	11.45	178	27084	2.37	ng	98
74) Fluoranthene	12.59	202	226702	20.07	ng	96
77) Pyrene	12.82	202	217417	14.02	ng	98
80) Benzo(a)anthracene	14.00	228	127904	10.38	ng	98
82) Chrysene	14.04	228	107472	9.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	50750	5.41	ng	96
87) Benzo(b)fluoranthene	15.06	252	197987	16.99	ng	# 96
88) Benzo(k)fluoranthene	15.06	252	197987	17.20	ng	98
89) Benzo(a)pyrene	15.43	252	99687	9.32	ng	97
91) Benzo(a,h,i)perylene	17.42	276	49561	5.86	ng	93

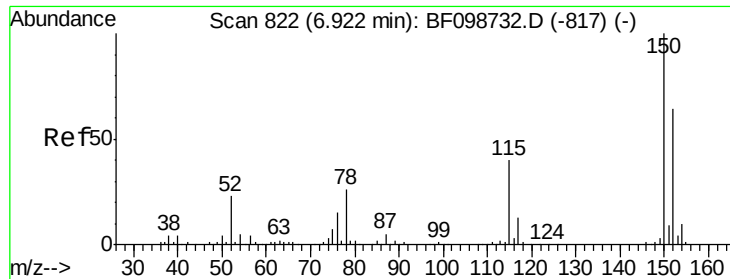
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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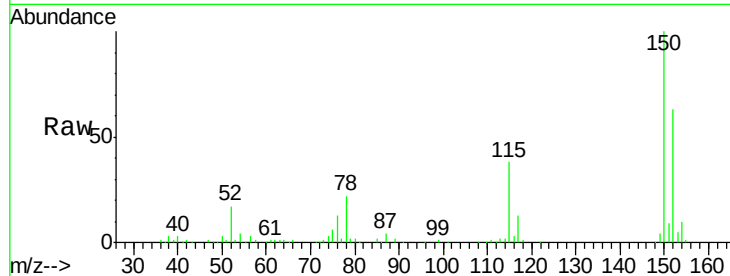


#1

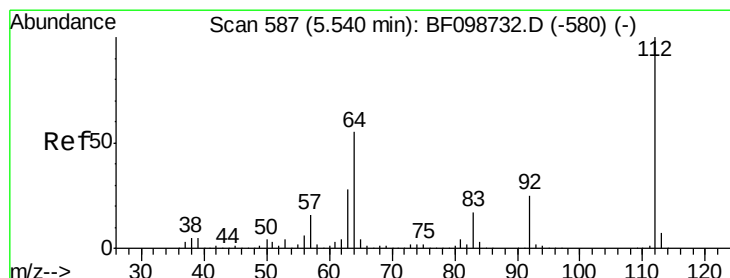
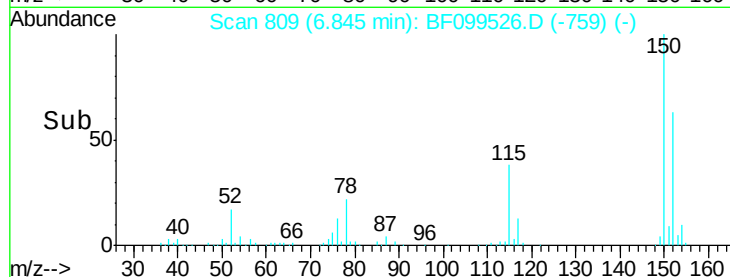
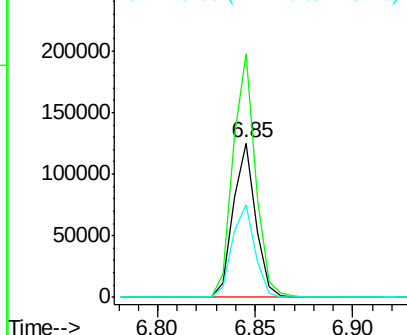
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.9	50.1	75.1



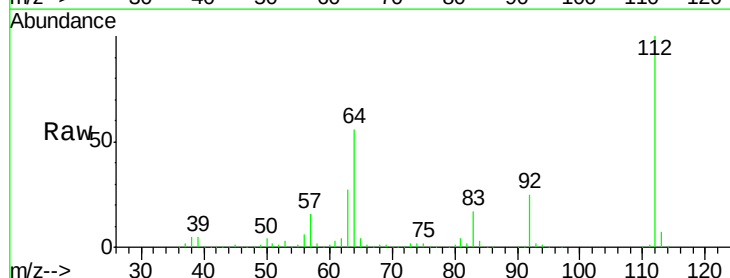
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



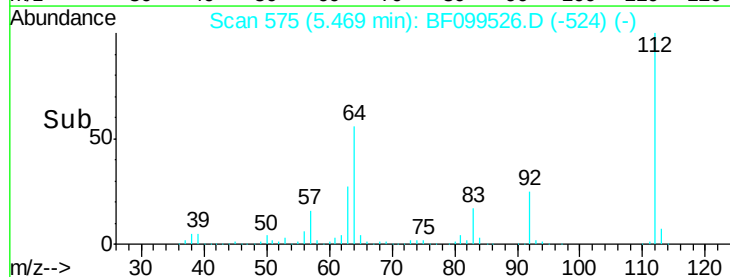
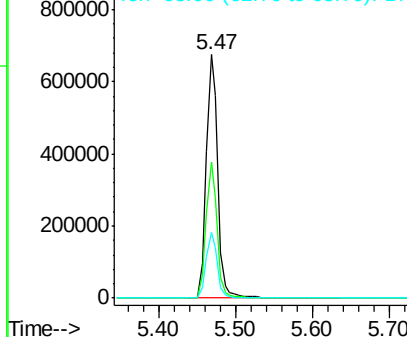
#5

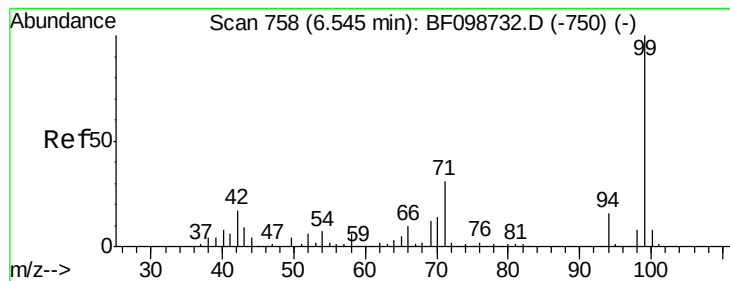
2-Fluorophenol
Concen: 111.02 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	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: 104.22 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Instrument :

BNA_F

ClientSampleId :

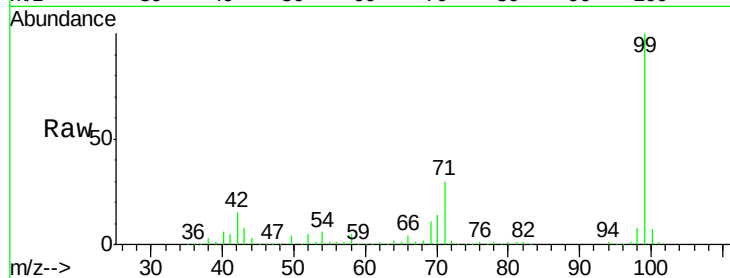
Tot Ion: 99 Resp: 807886

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

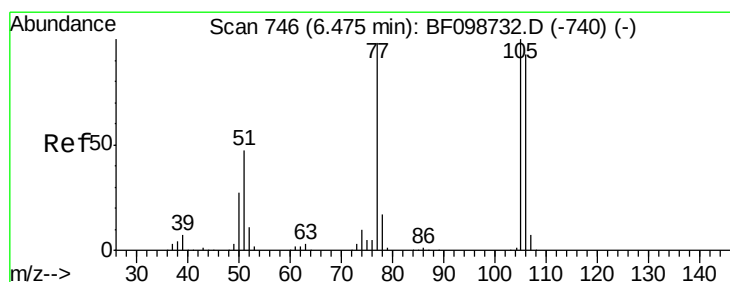
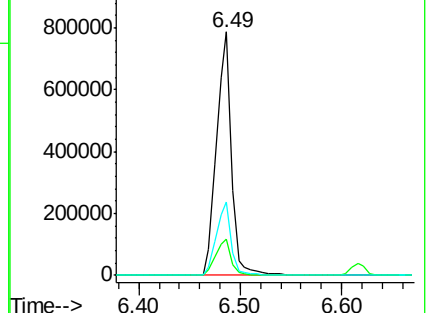
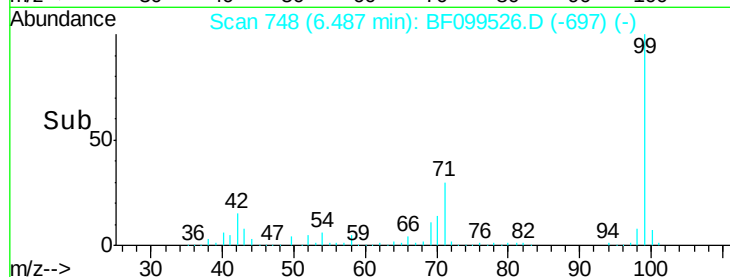
71 30.2 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.91 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

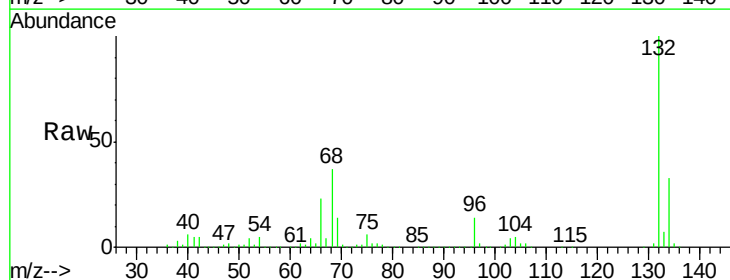
Tgt Ion: 77 Resp: 13070

Ion Ratio Lower Upper

77 100

105 84.1 81.1 121.1

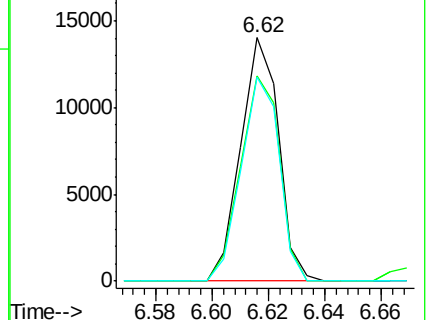
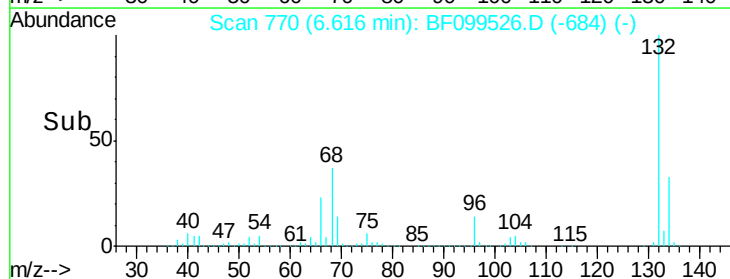
106 83.8 74.5 114.5

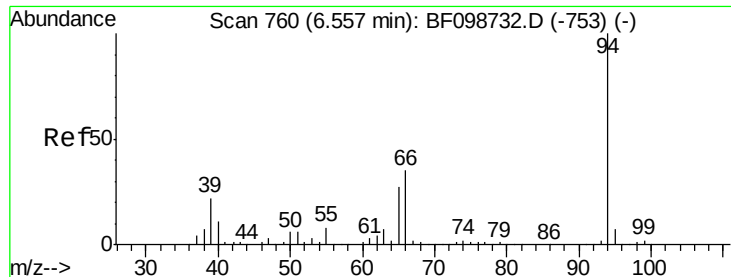


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

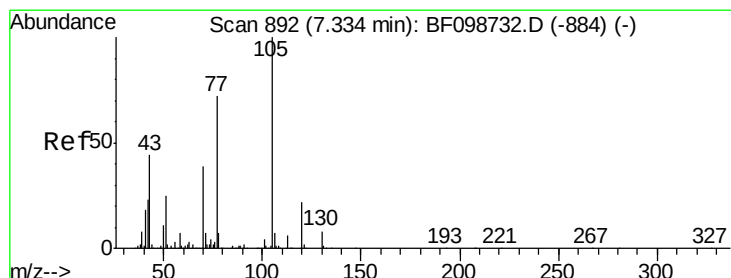
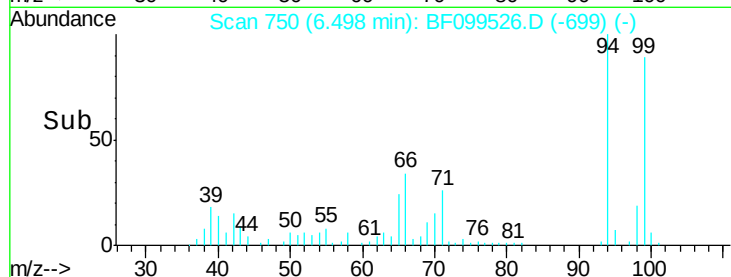
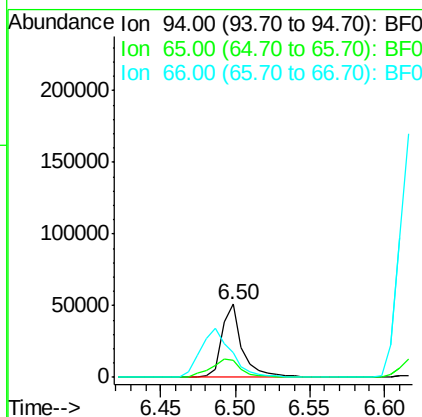
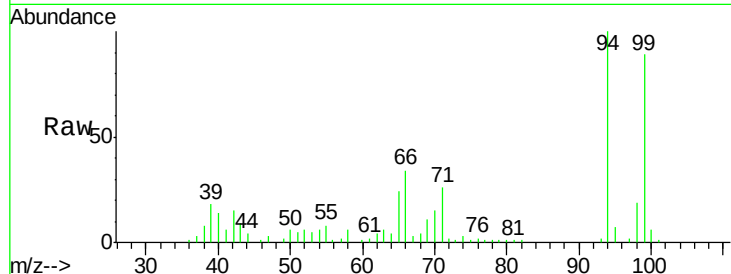




#10
Phenol
Concen: 5.69 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

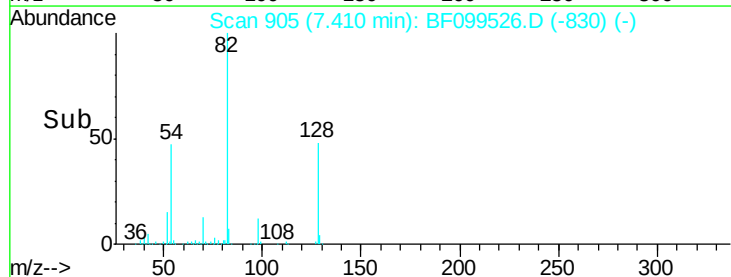
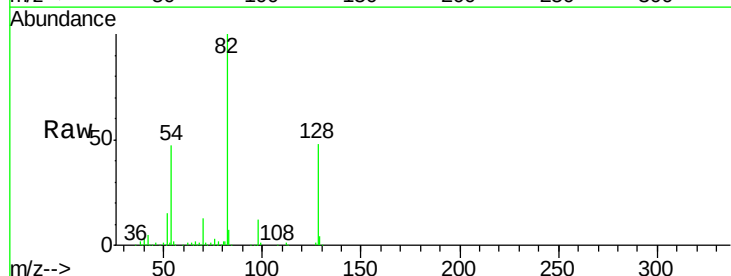
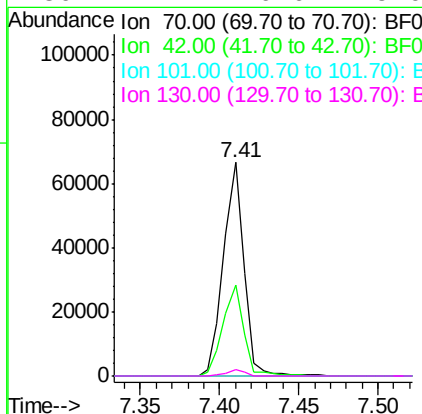
Instrument :
BNA_F
ClientSampleId :

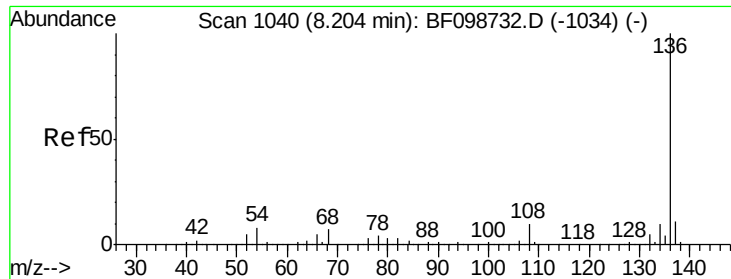
Tot Ion: 94 Resp: 49317
Ion Ratio Lower Upper
94 100
65 23.9 7.9 47.9
66 34.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.12 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt Ion: 70 Resp: 59995
Ion Ratio Lower Upper
70 100
42 42.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#

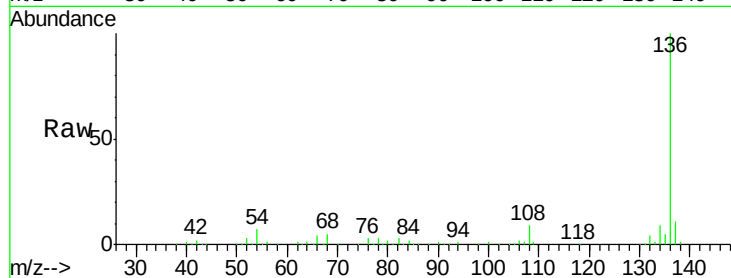




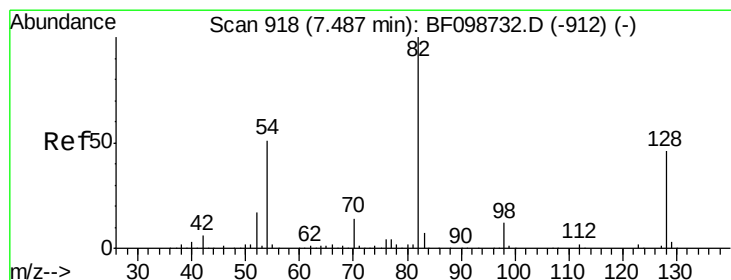
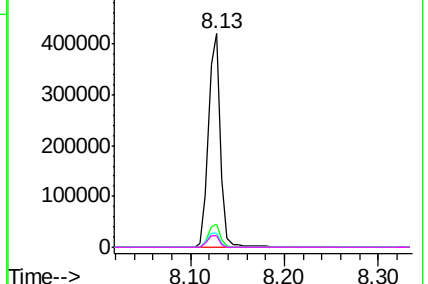
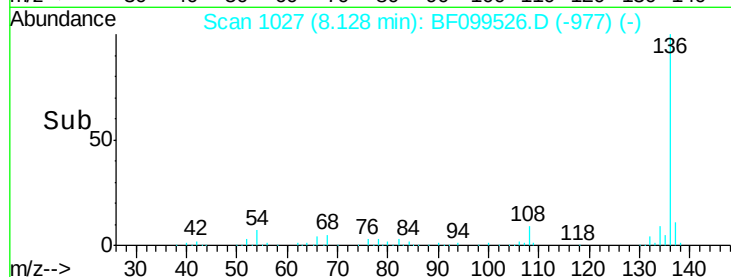
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	377142
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 6.8	6.6	9.8
68 5.4	5.0	7.4

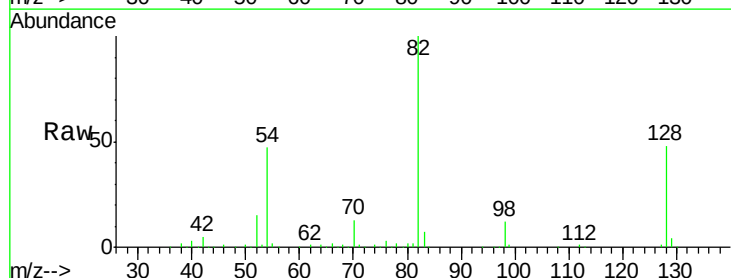


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

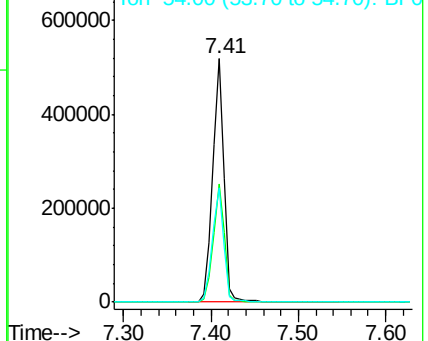
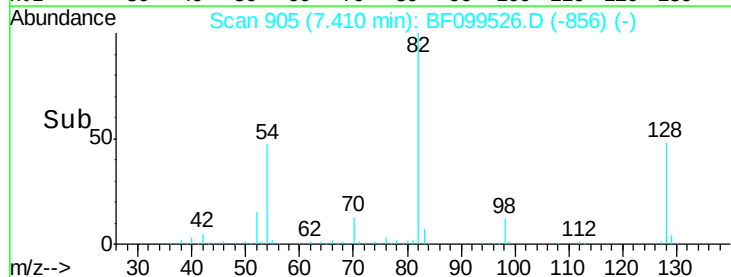


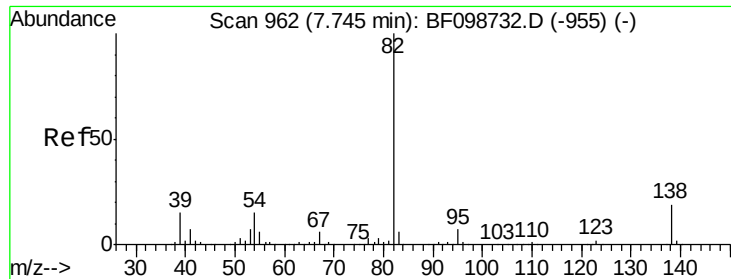
#23
Nitrobenzene-d5
Concen: 79.71 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt	Ion: 82	Resp:	468763
Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	46.7	41.4	62.2



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





#25

Isophorone

Concen: 38.55 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Instrument :

BNA_F

ClientSampleId :

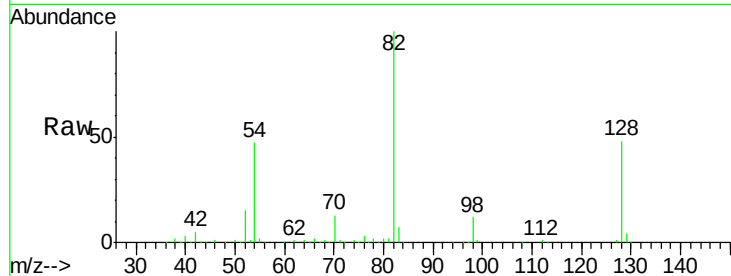
Tot Ion: 82 Resp: 468760

Ion Ratio Lower Upper

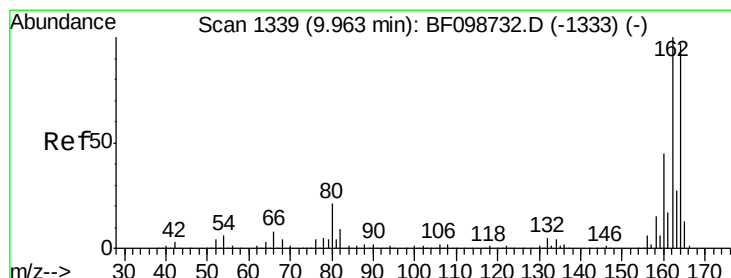
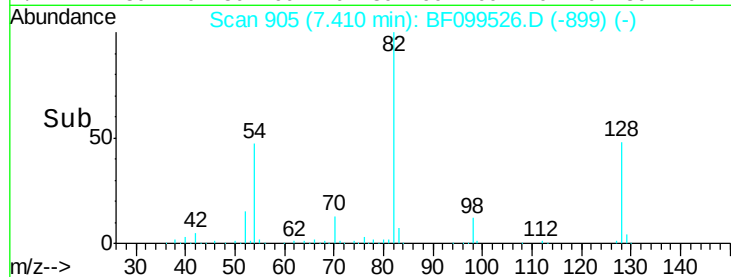
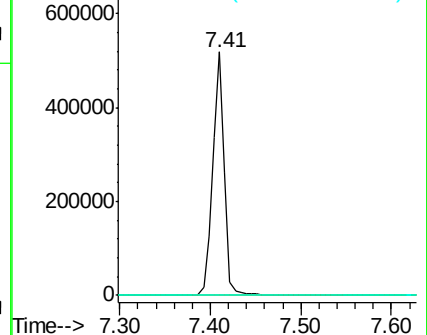
82 100

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: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

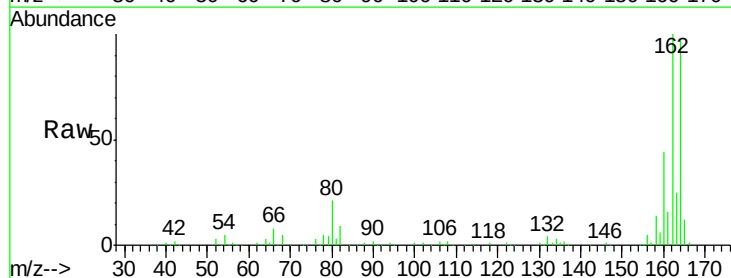
Tgt Ion: 164 Resp: 140066

Ion Ratio Lower Upper

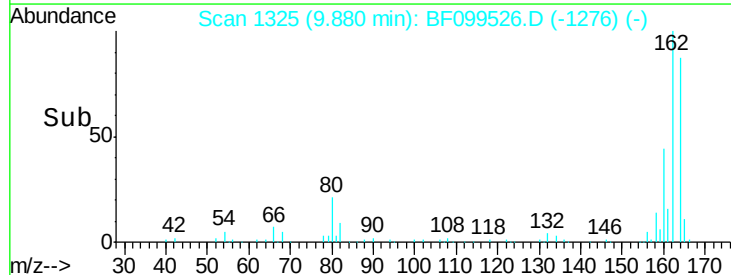
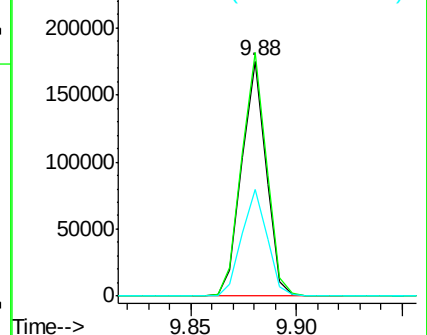
164 100

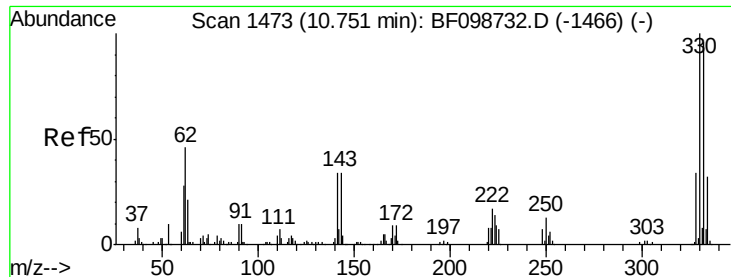
162 103.6 86.1 129.1

160 45.6 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: 101.98 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Instrument :

BNA_F

ClientSampleId :

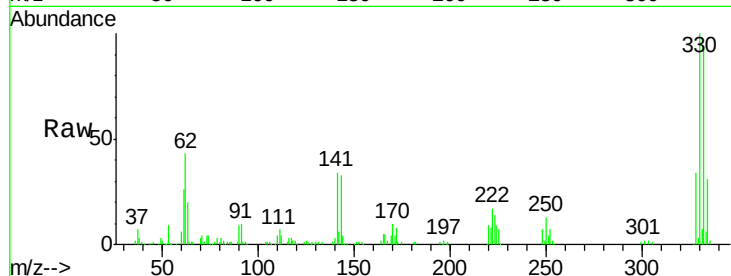
Tot Ion:330 Resp: 116879

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

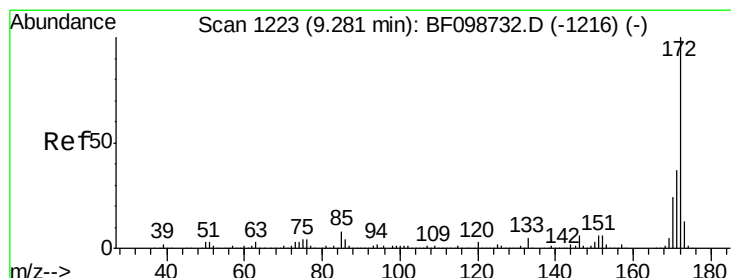
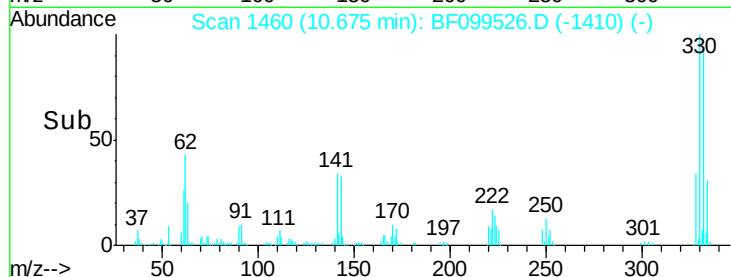
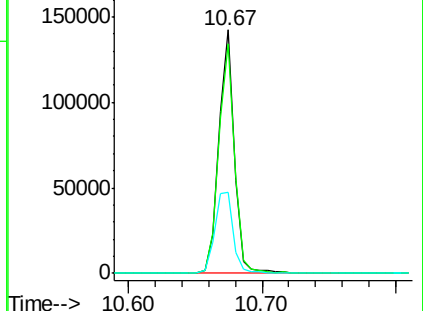
141 39.9 29.9 44.9



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: 97.51 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

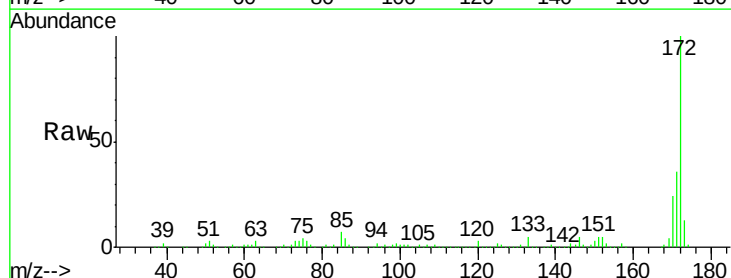
Tgt Ion:172 Resp: 818150

Ion Ratio Lower Upper

172 100

171 36.0 29.7 44.5

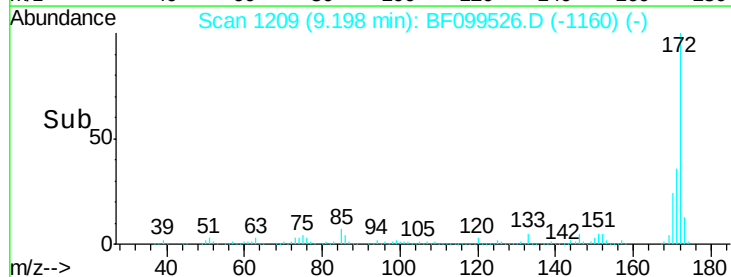
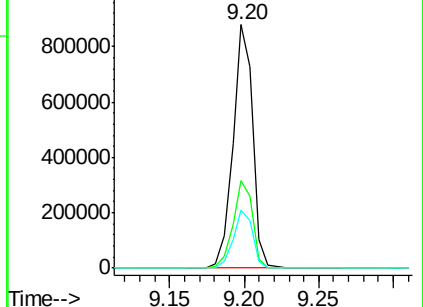
170 23.7 19.6 29.4

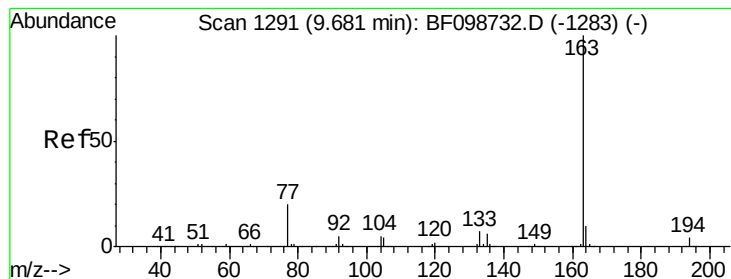


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.99 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

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ClientSampleId :

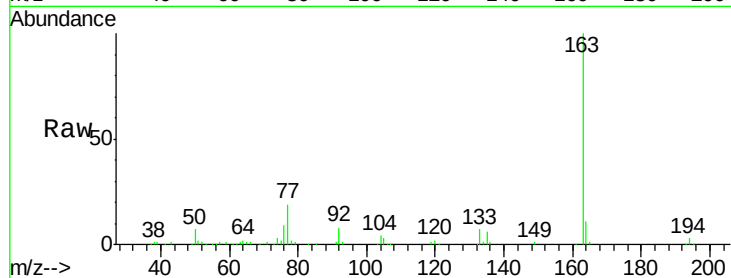
Tot Ion:163 Resp: 126781

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

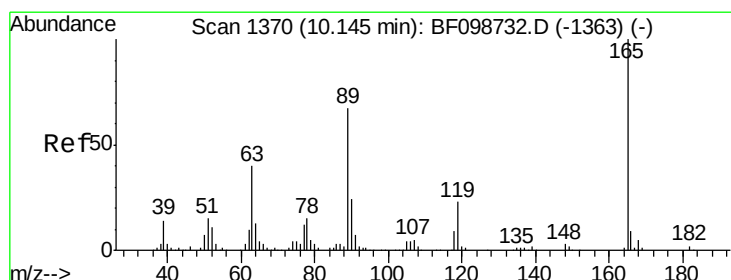
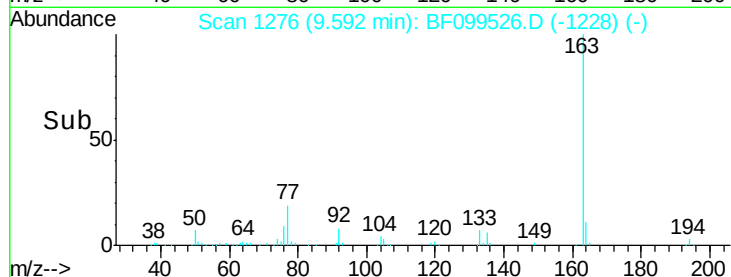
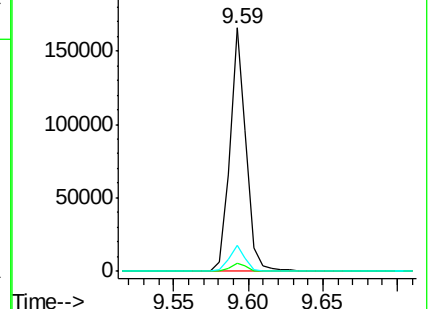
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.98 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Tgt Ion:165 Resp: 17872

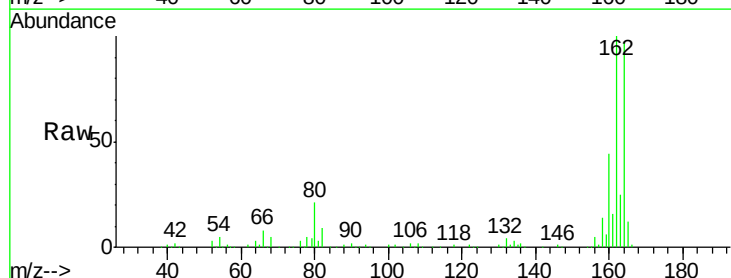
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

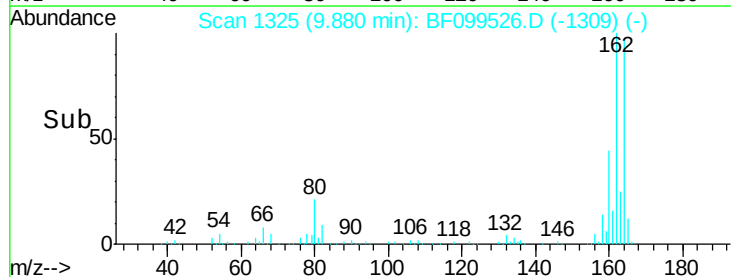
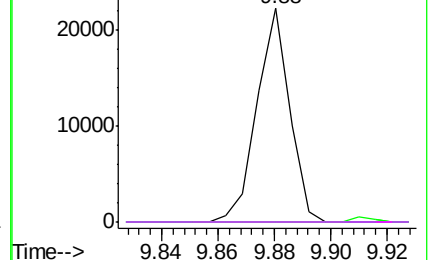


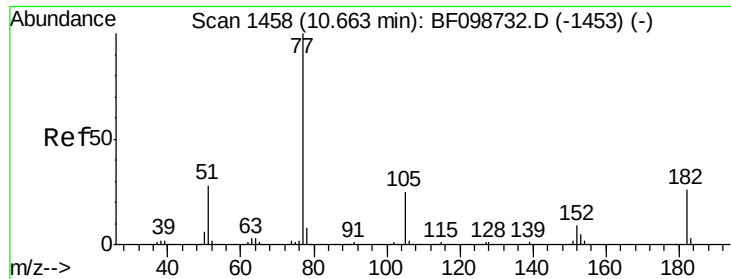
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

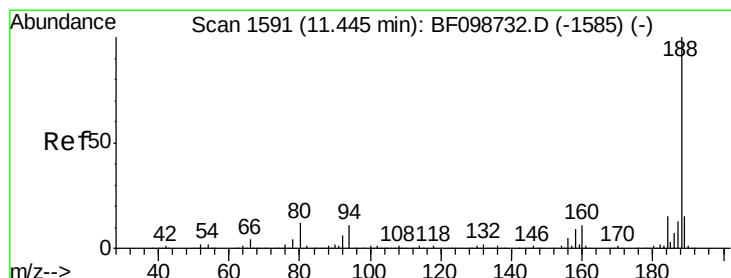
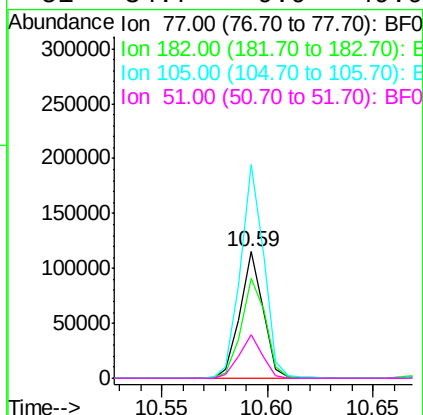
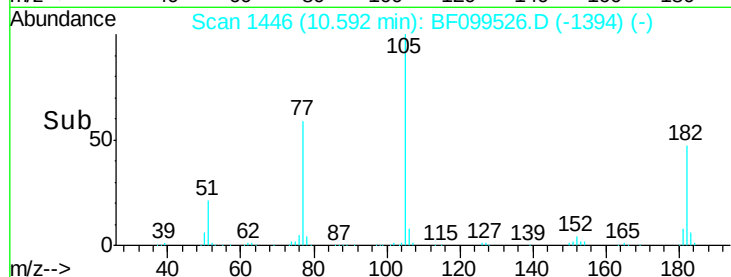
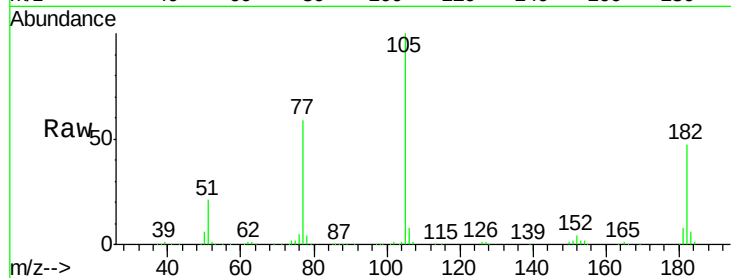




#62
Azobenzene
Concen: 9.13 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

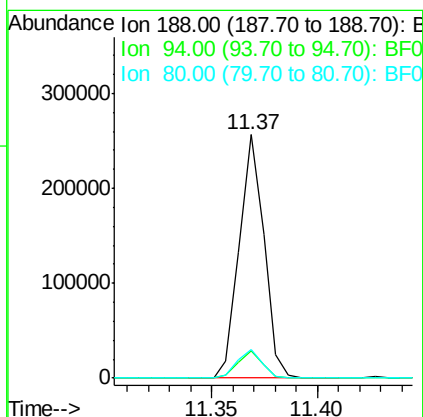
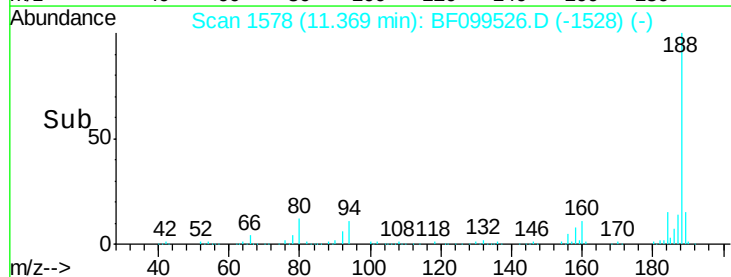
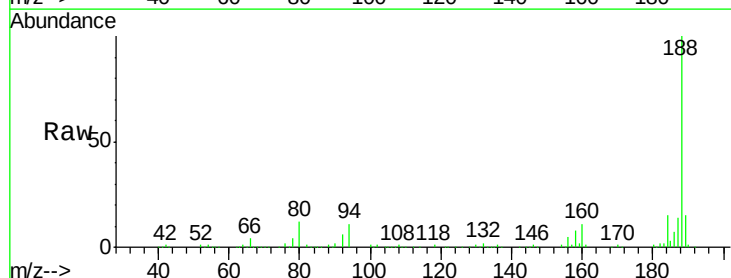
Instrument :
BNA_F
ClientSampled :

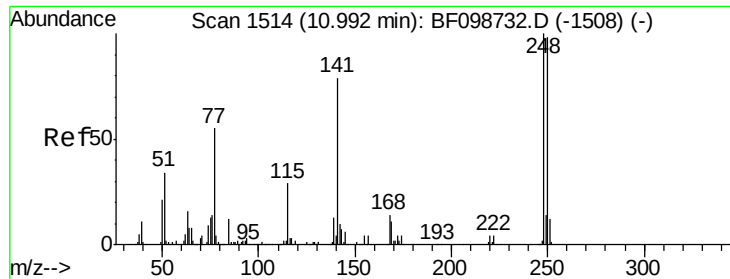
Tot Ion: 77 Resp: 86736
Ion Ratio Lower Upper
77 100
182 78.7 1.7 41.7#
105 169.1 3.0 43.0#
51 34.7 9.9 49.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt Ion: 188 Resp: 208442
Ion Ratio Lower Upper
188 100
94 11.3 8.5 12.7
80 11.8 9.2 13.8

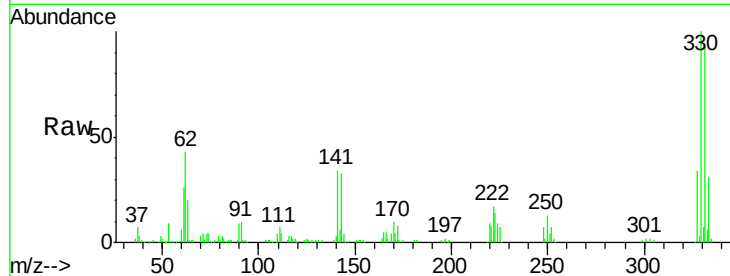




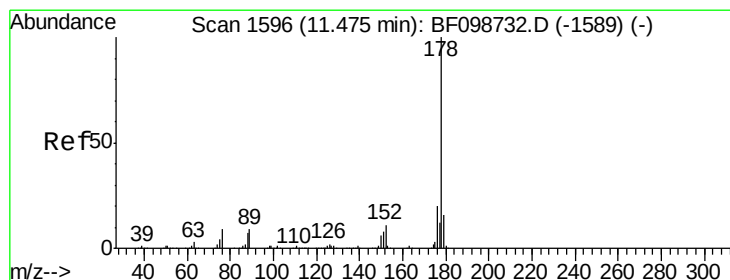
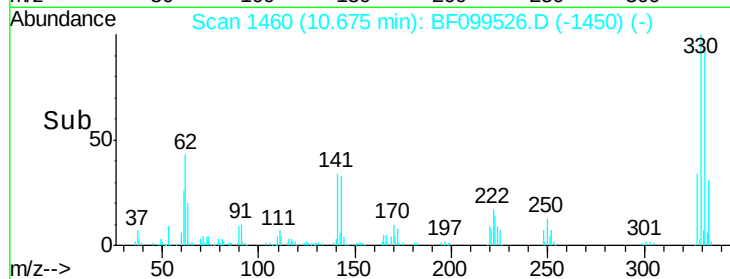
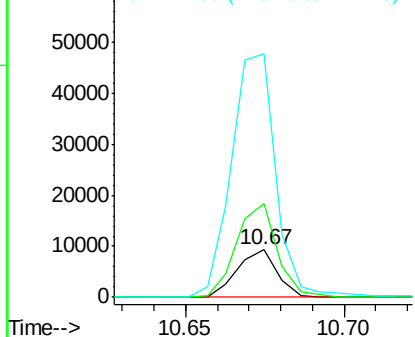
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8130
Ion Ratio Lower Upper
248 100
250 197.8 76.9 115.3#
141 514.0 74.4 111.6#

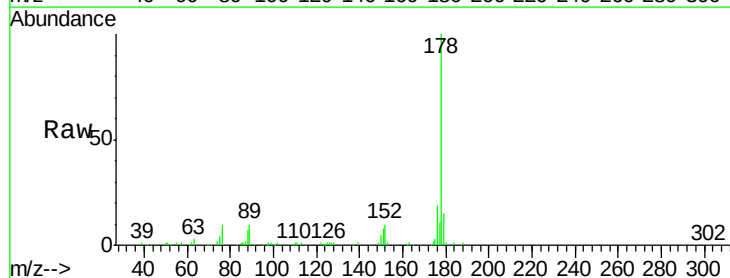


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

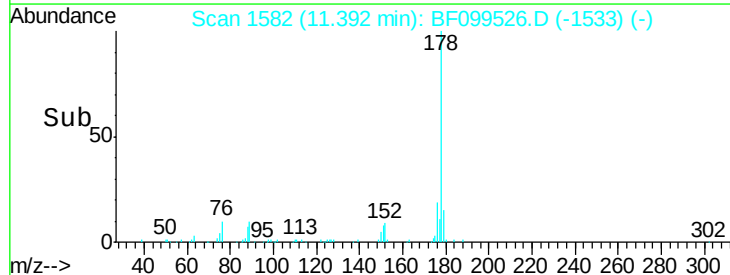
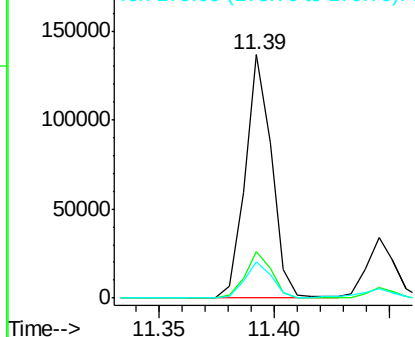


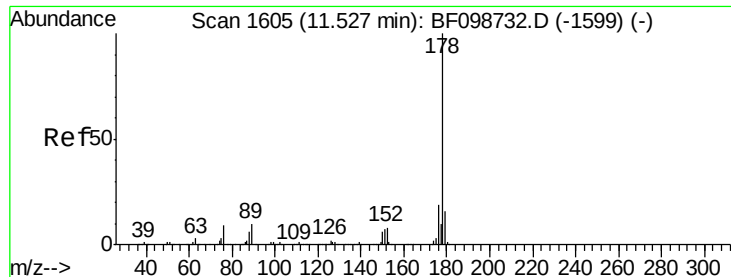
#70
Phenanthrene
Concen: 9.81 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt Ion:178 Resp: 109451
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.8 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: 2.37 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

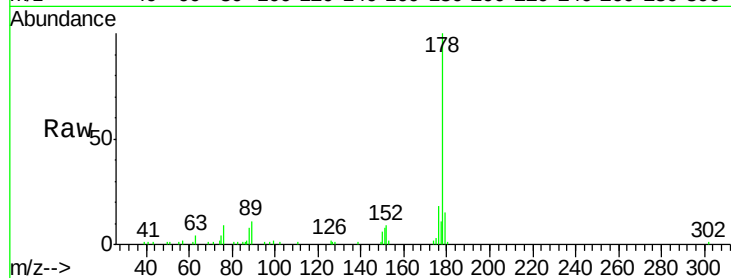
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 27084

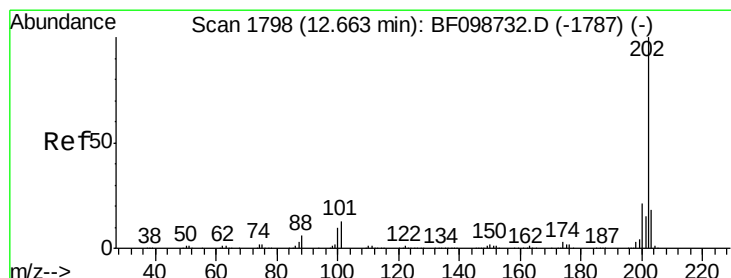
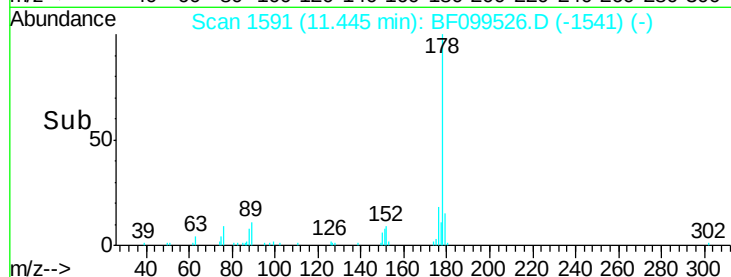
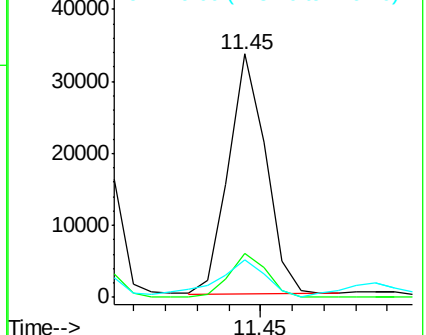
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.2	12.6	19.0



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: 20.07 ng

RT: 12.59 min Scan# 1785

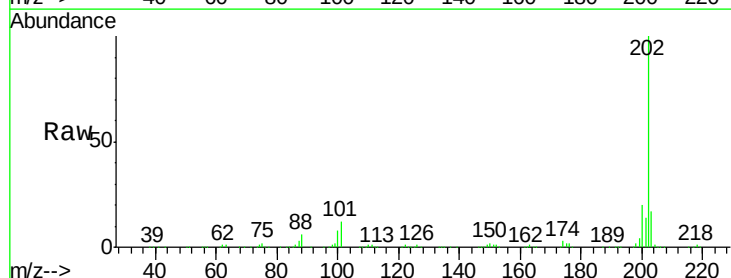
Delta R.T. 0.00 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Tgt Ion:202 Resp: 226702

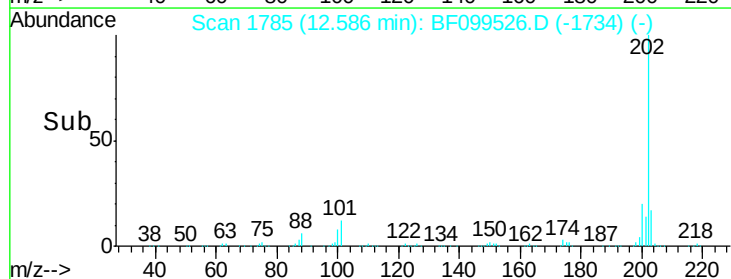
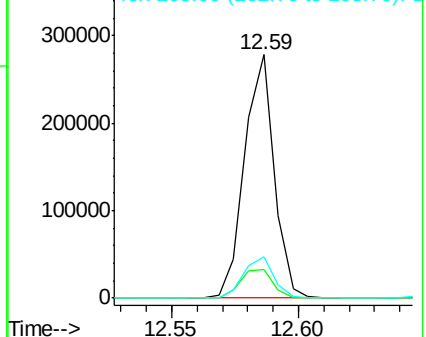
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	34.1
203	17.1	0.0	38.1

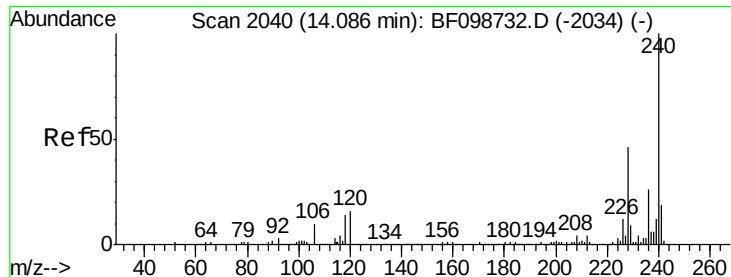


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.00 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Instrument :

BNA_F

ClientSampleId :

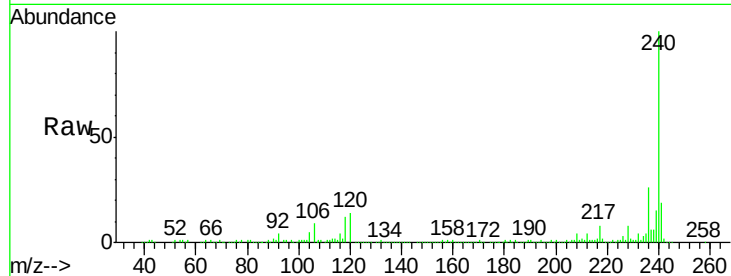
Tot Ion:240 Resp: 203398

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

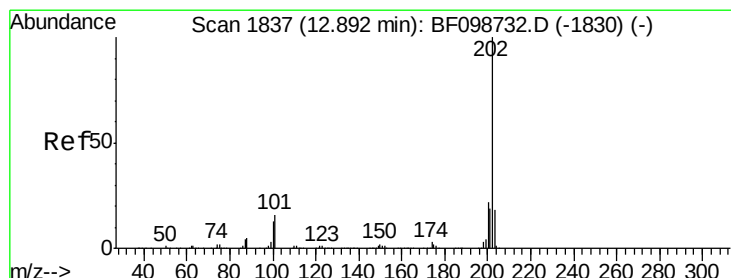
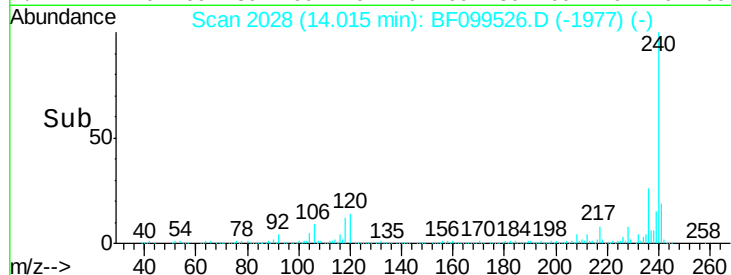
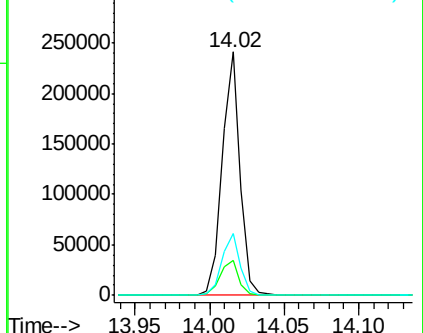
236 25.6 20.7 31.1



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: 14.02 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

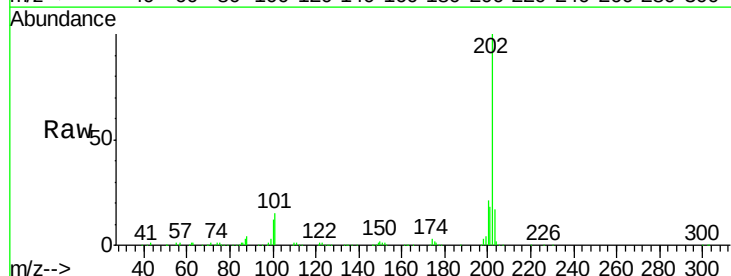
Tgt Ion:202 Resp: 217417

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

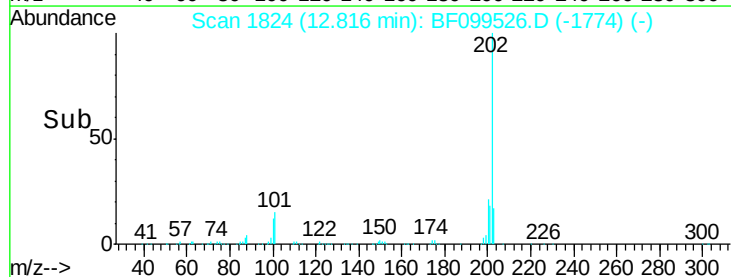
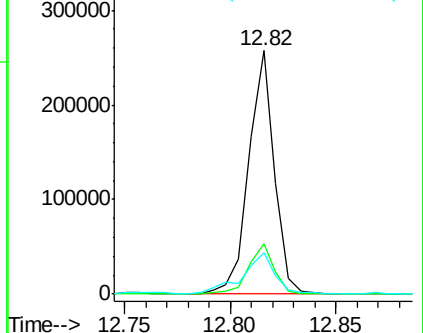
203 17.1 14.3 21.5

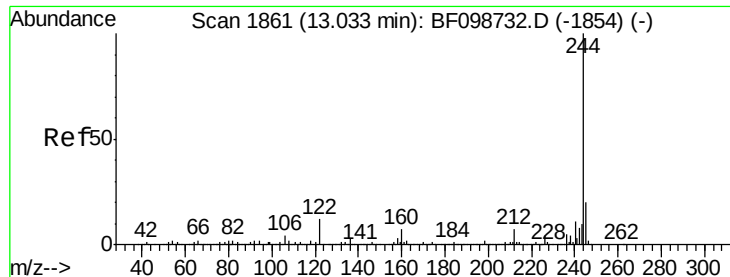


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

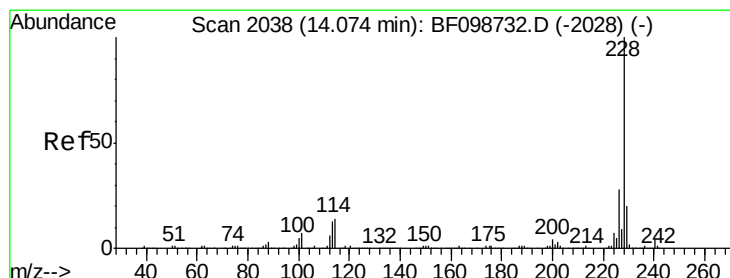
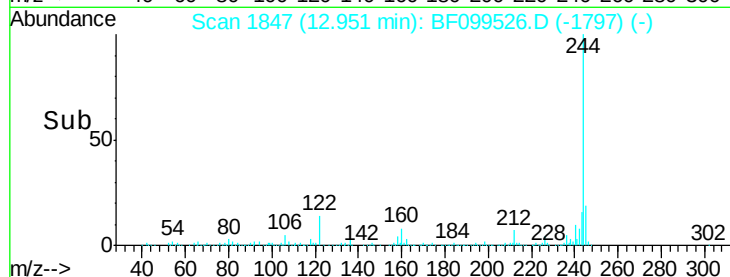
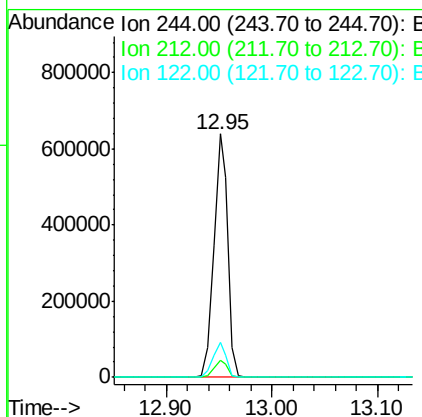
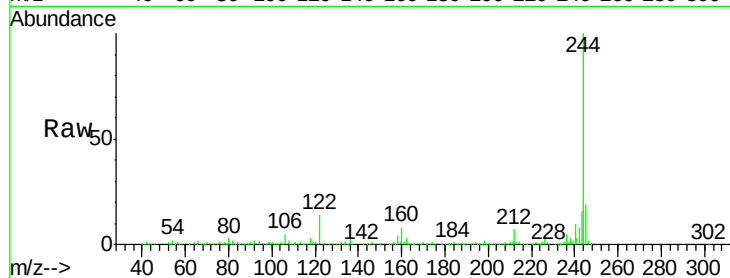




#78
 Terphenyl-d14
 Concen: 66.71 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099526.D
 Acq: 15 Oct 2017 21:08

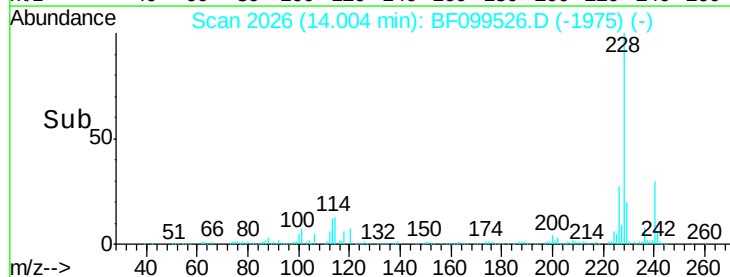
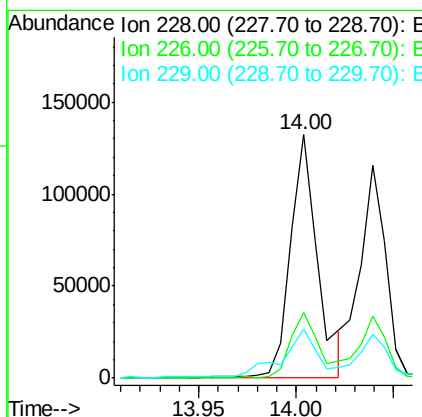
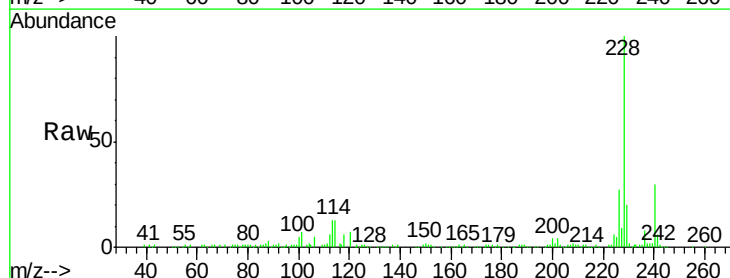
Instrument :
 BNA_F
 ClientSampleId :

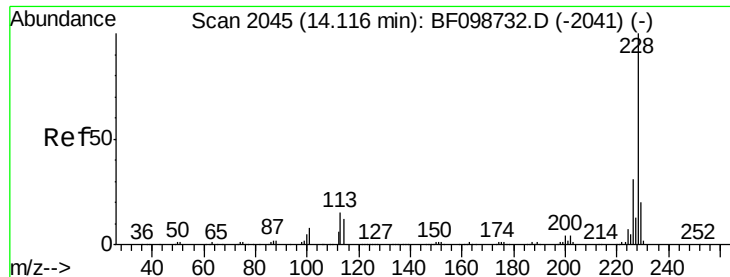
Tot Ion:244 Resp: 596606
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 14.4 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 10.38 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.00 min
 Lab File: BF099526.D
 Acq: 15 Oct 2017 21:08

Tgt Ion:228 Resp: 127904
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.6 33.8
 229 20.3 15.8 23.6

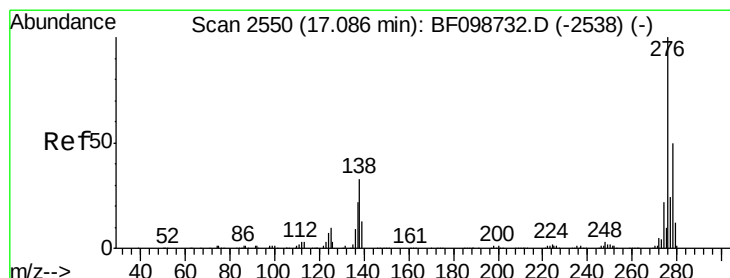
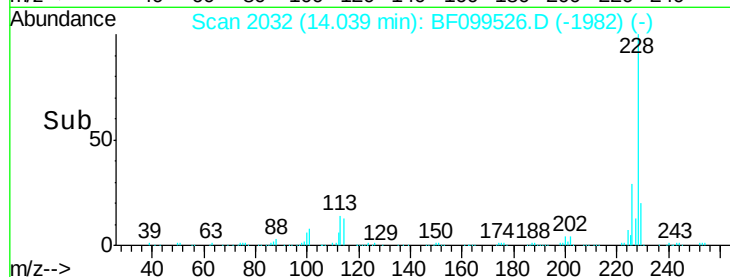
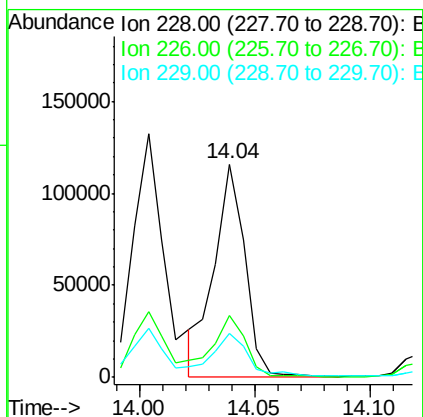
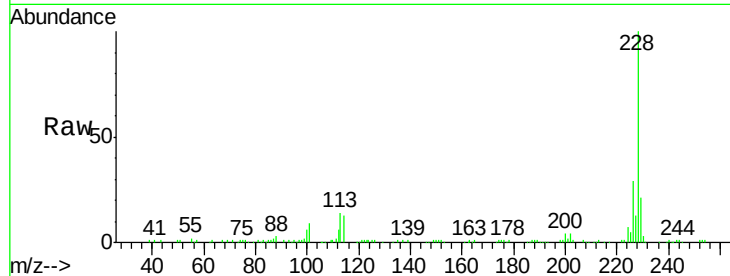




#82
Chrysene
Concen: 9.17 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

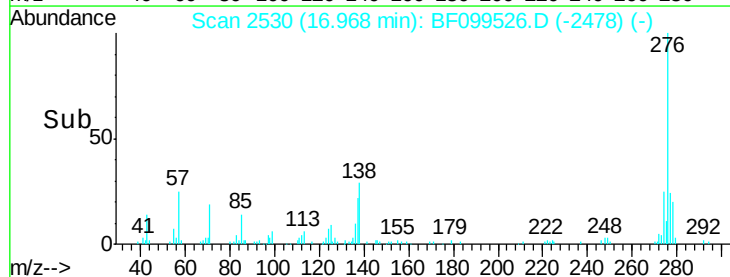
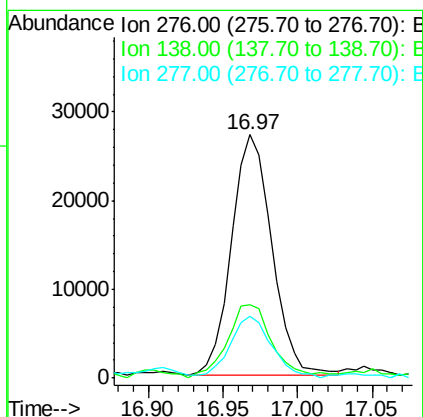
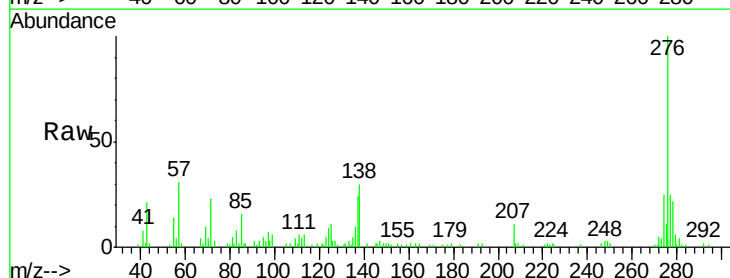
Instrument :
BNA_F
ClientSampleId :

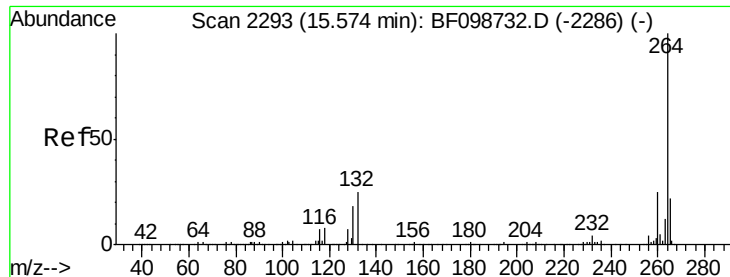
Tot Ion:228 Resp: 107472
Ion Ratio Lower Upper
228 100
226 29.2 25.0 37.6
229 20.9 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 5.41 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt Ion:276 Resp: 50750
Ion Ratio Lower Upper
276 100
138 33.9 25.0 37.6
277 26.8 20.1 30.1

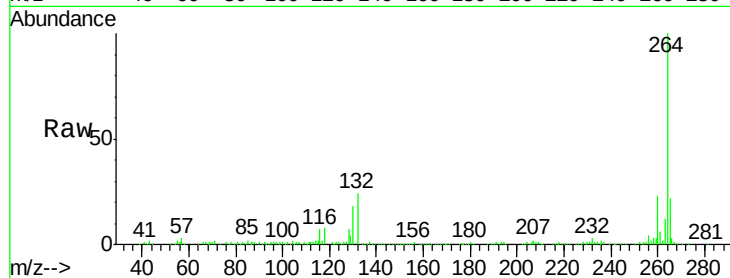




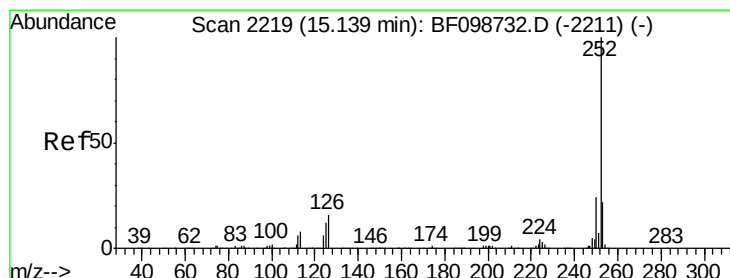
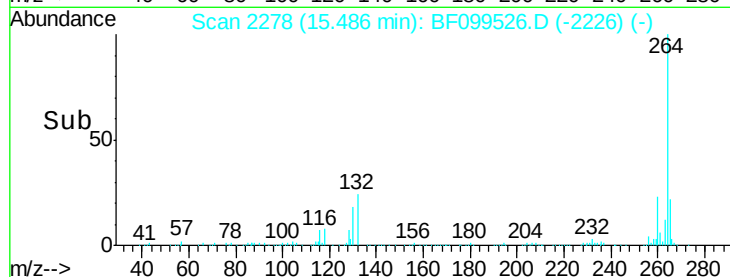
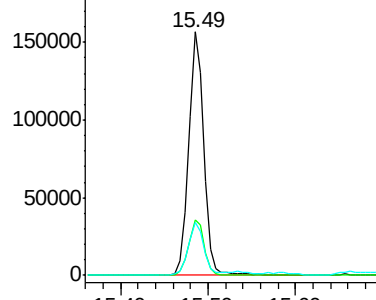
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 189514
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.7 17.5 26.3

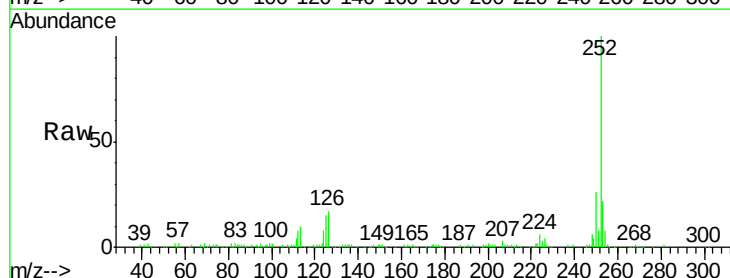


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

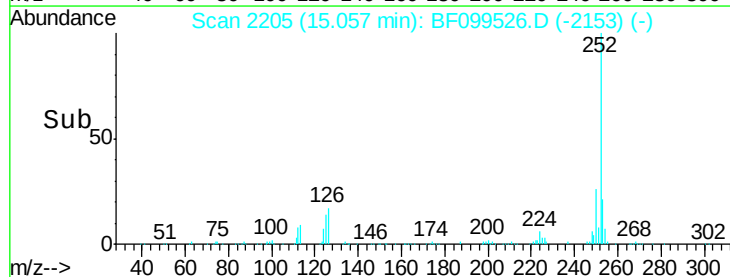
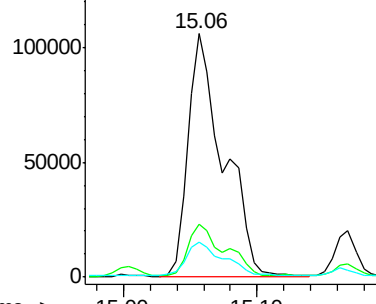


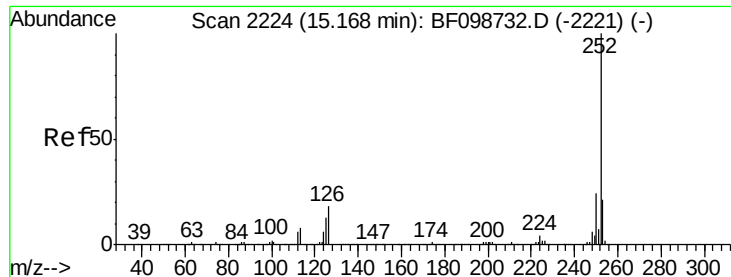
#87
Benzo(b)fluoranthene
Concen: 16.99 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099526.D
Acq: 15 Oct 2017 21:08

Tgt Ion:252 Resp: 197987
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.6
125 14.6 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: 17.20 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF099526.D

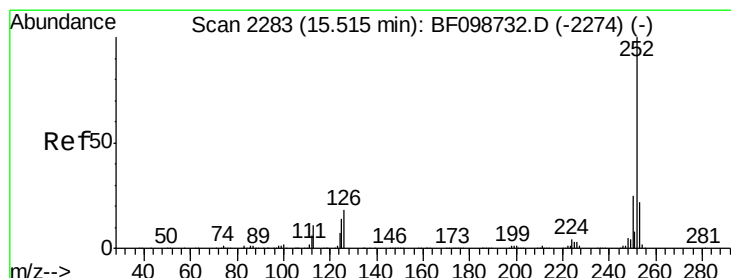
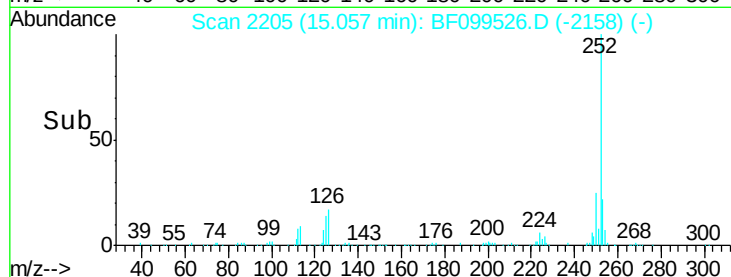
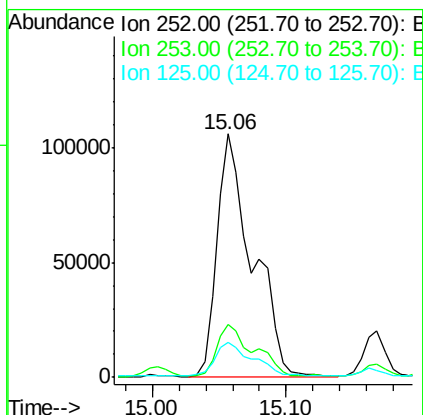
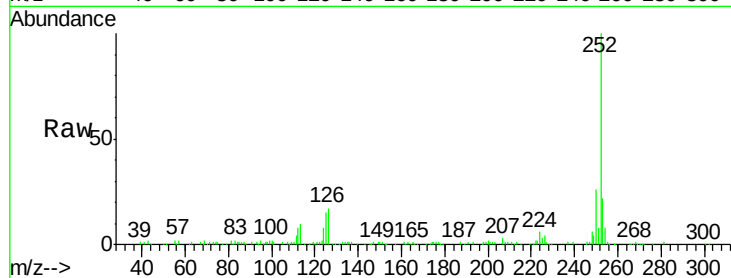
Acq: 15 Oct 2017 21:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	197987
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	14.6	10.2	15.2



#89

Benzo(a)pyrene

Concen: 9.32 ng

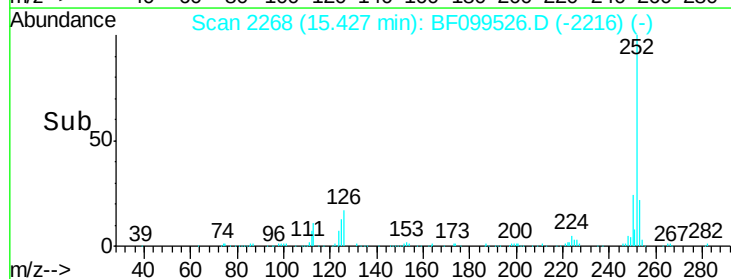
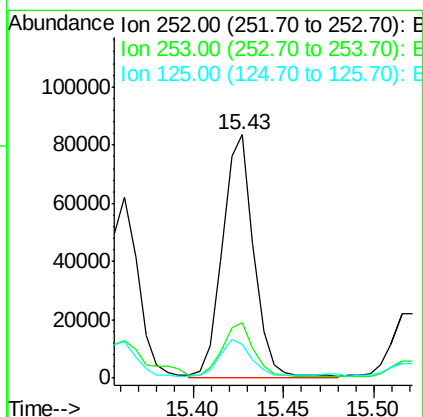
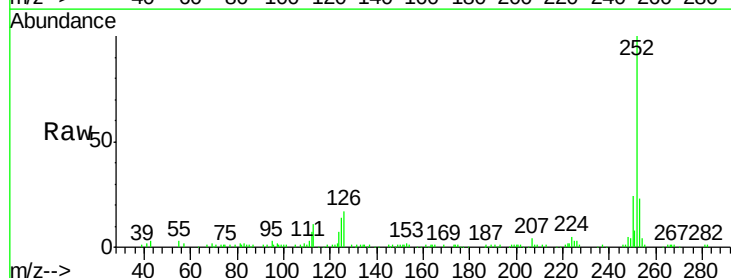
RT: 15.43 min Scan# 2268

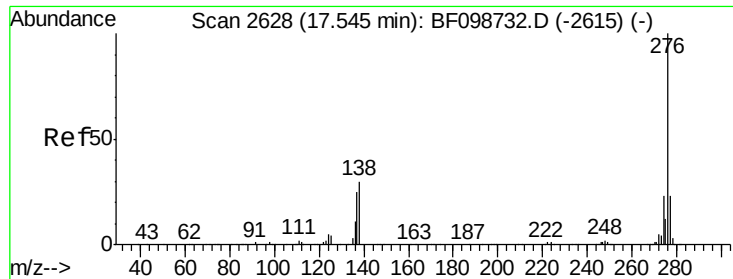
Delta R.T. 0.01 min

Lab File: BF099526.D

Acq: 15 Oct 2017 21:08

Tgt Ion:	252	Resp:	99687
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.7	9.8	14.6

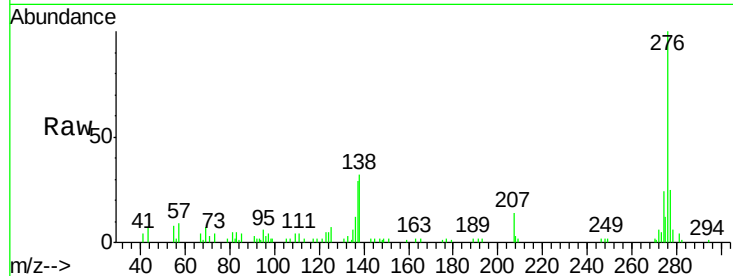




#91
 Benzo(a,h,i)perylene
 Concen: 5.86 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF099526.D
 Acq: 15 Oct 2017 21:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	49561
Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	31.9	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

