

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099376.D
 Acq On : 12 Oct 2017 6:47
 Operator : SJ/JU
 Sample : I5710-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

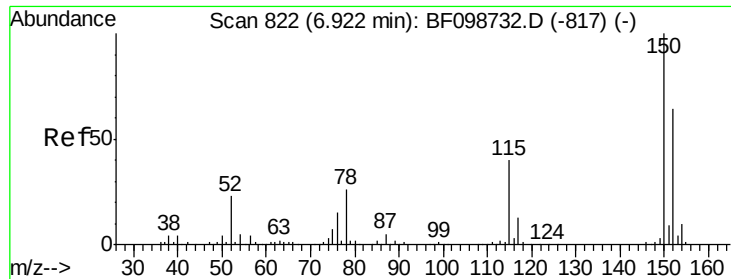
Quant Time: Oct 12 07:40:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128211	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	518714	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	230069	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	389600	20.00	ng	0.00
75) Chrysene-d12	14.01	240	209045	20.00	ng	0.00
86) Perylene-d12	15.48	264	209286	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	973062	120.82	ng	0.01
7) Phenol-d6	6.49	99	1167577	117.52	ng	0.00
23) Nitrobenzene-d5	7.42	82	715285	88.43	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	234495	124.56	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1222643	88.72	ng	0.00
78) Terphenyl-d14	12.96	244	919261	100.01	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.63	77	18617	3.23	ng	89
10) Phenol	6.50	94	39414	3.55	ng	83
19) n-Nitroso-di-n-propylamine	7.42	70	91337	14.40	ng	# 72
25) Isophorone	7.42	82	715271	42.77	ng	# 64
49) Dimethylphthalate	9.60	163	215329	12.40	ng	100
56) 2,4-Dinitrotoluene	9.89	165	28985	5.91	ng	# 23
66) 4-Bromophenyl-phenylether	10.68	248	15195	3.98	ng	# 1
74) Fluoranthene	12.59	202	78786	3.73	ng	98
77) Pyrene	12.82	202	95781	6.01	ng	99
80) Benzo(a)anthracene	14.00	228	39782	3.14	ng	97
82) Chrysene	14.04	228	41159	3.42	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	39768	4.13	ng	100
87) Benzo(b)fluoranthene	15.05	252	83711	6.51	ng	# 93
88) Benzo(k)fluoranthene	15.05	252	83711	6.59	ng	96
89) Benzo(a)pyrene	15.42	252	48289	4.09	ng	# 95
91) Benzo(g,h,i)perylene	17.40	276	43477	4.65	ng	93

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

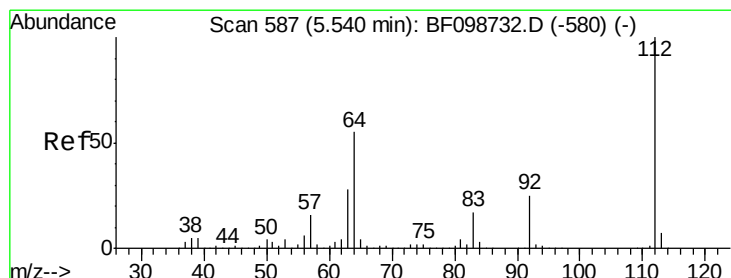
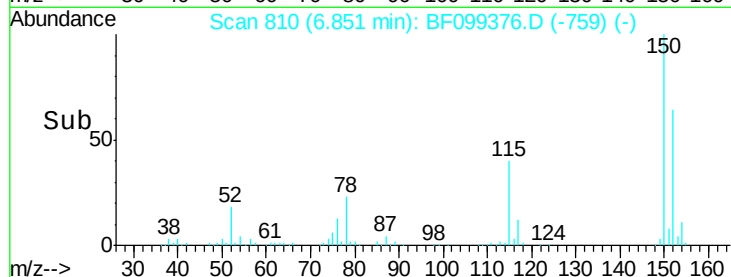
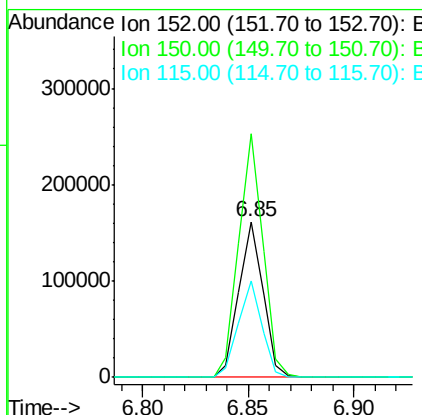
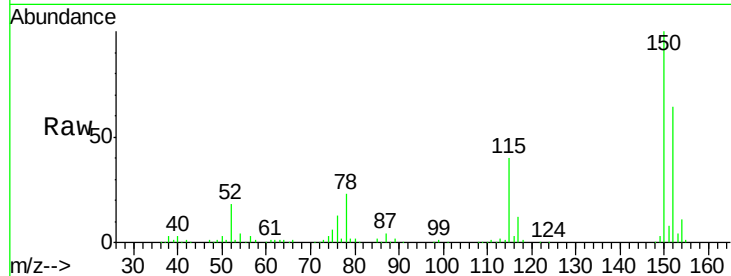


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :

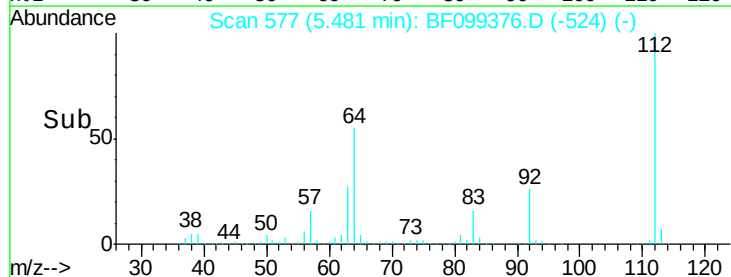
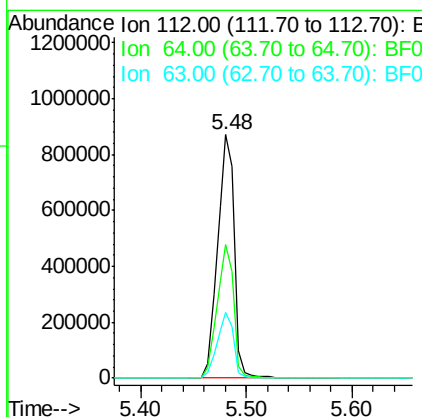
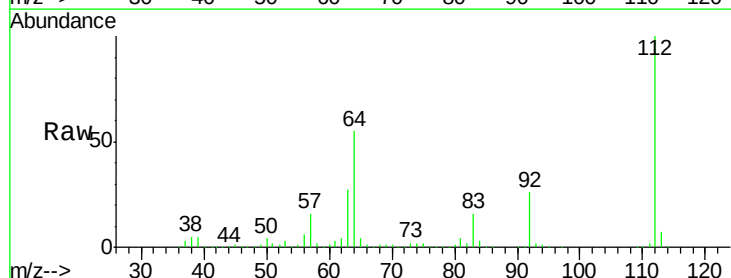
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	61.9	50.1	75.1

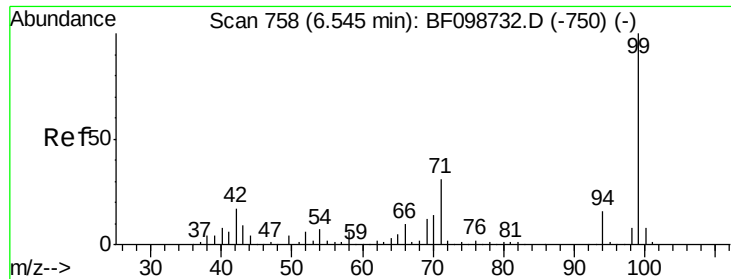


#5

2-Fluorophenol
Concen: 120.82 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 117.52 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampled :

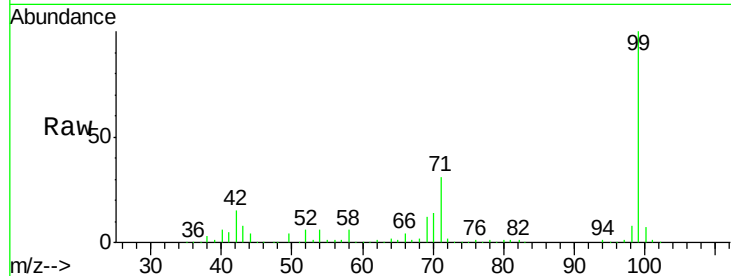
Tot Ion: 99 Resp: 1167577

Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.5	21.7
71	30.7	25.4	38.0

99 100

42 15.2 14.5 21.7

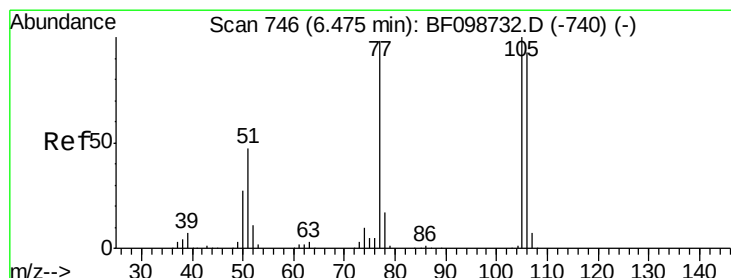
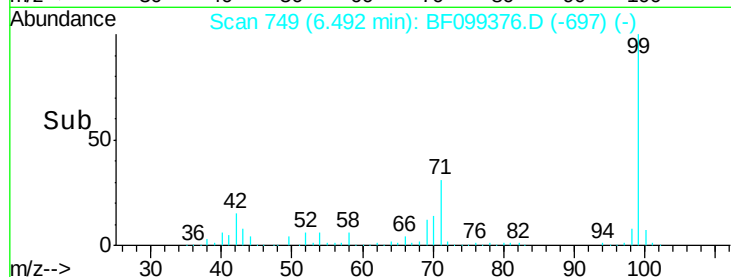
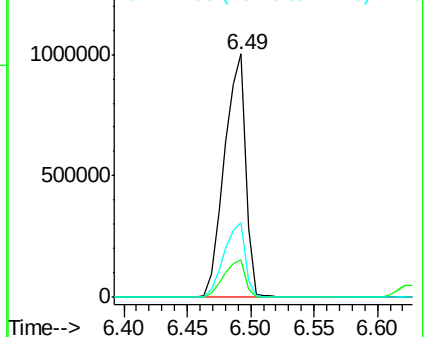
71 30.7 25.4 38.0



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: 3.23 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.22 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

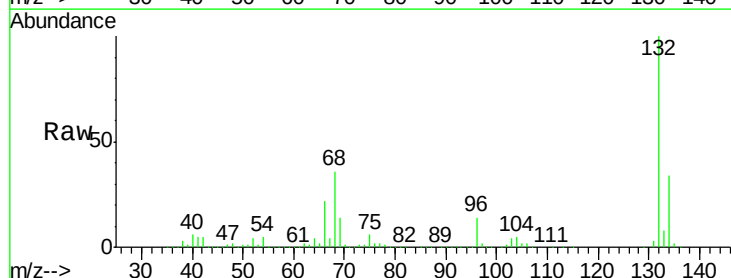
Tgt Ion: 77 Resp: 18617

Ion	Ratio	Lower	Upper
77	100		
105	85.4	81.1	121.1
106	89.1	74.5	114.5

77 100

105 85.4 81.1 121.1

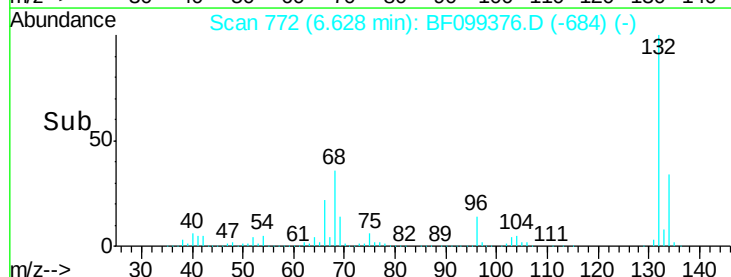
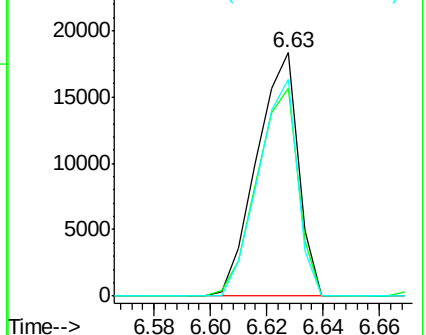
106 89.1 74.5 114.5

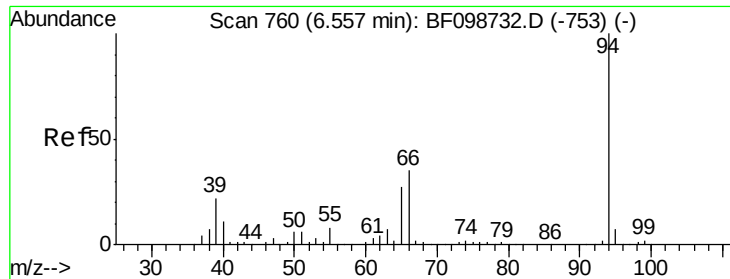


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.55 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampleId :

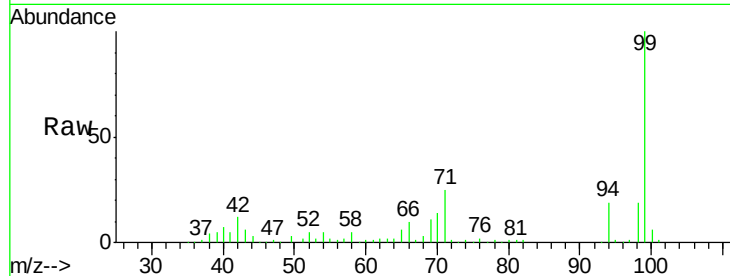
Tot Ion: 94 Resp: 39414

Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

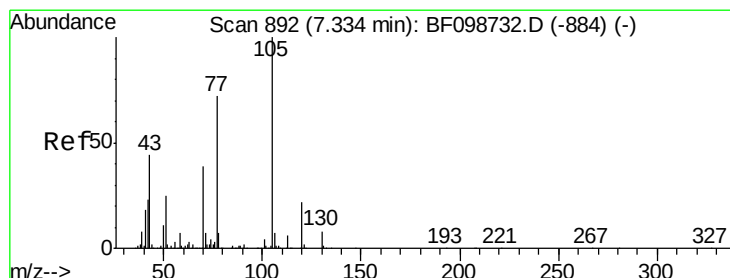
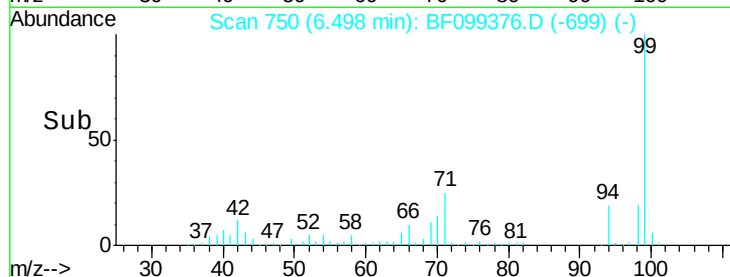
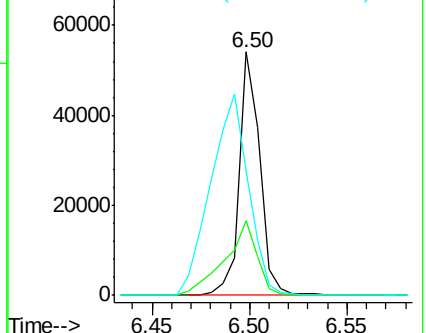
66 51.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.40 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Tgt Ion: 70 Resp: 91337

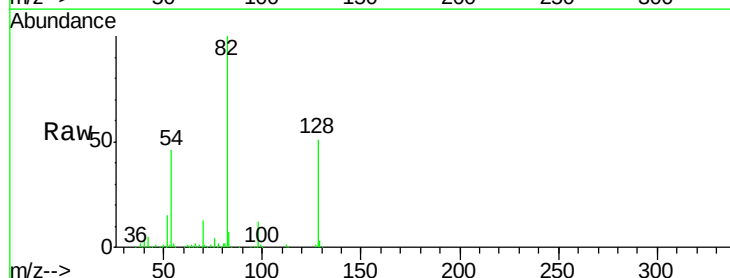
Ion Ratio Lower Upper

70 100

42 41.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

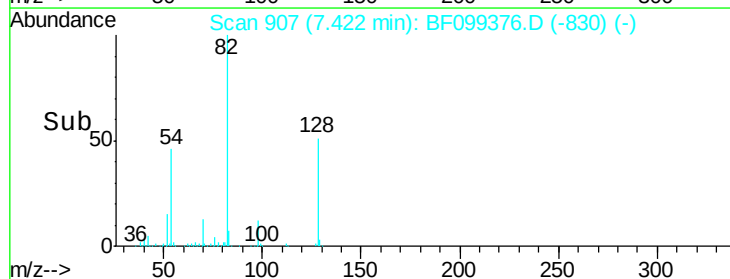
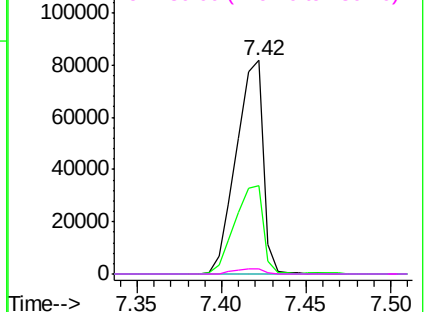


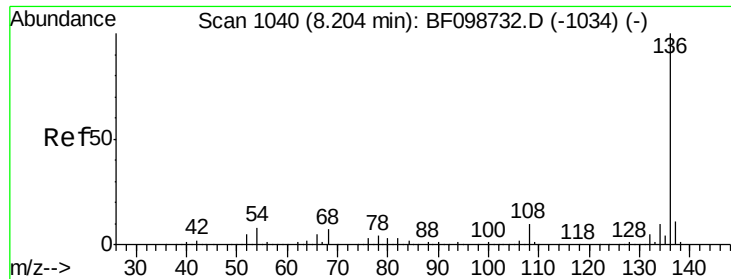
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

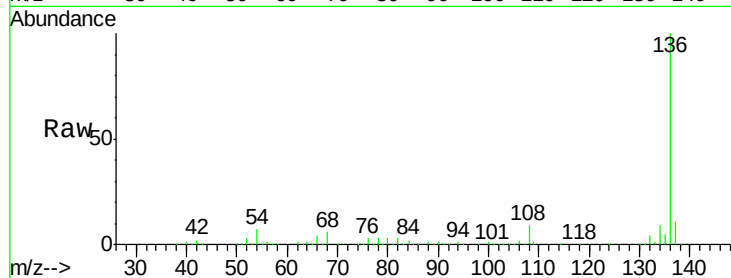




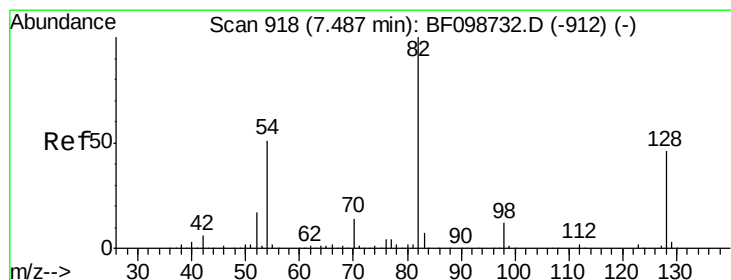
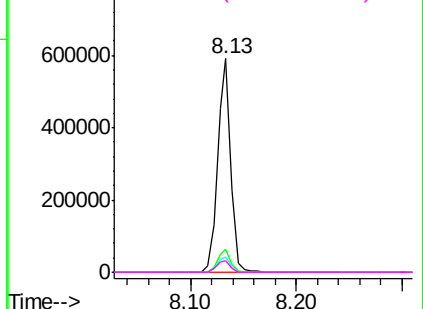
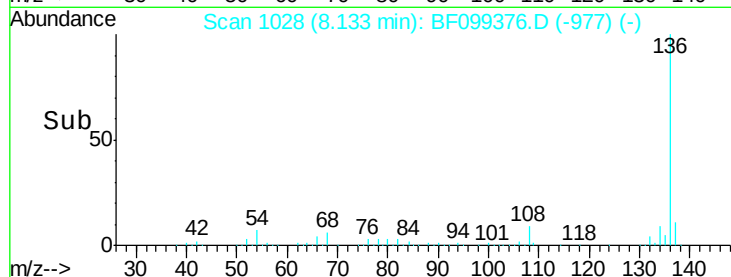
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	518714
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	7.0	6.6 9.8
68	5.7	5.0 7.4

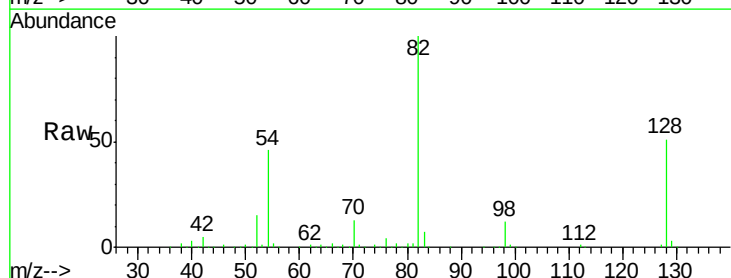


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

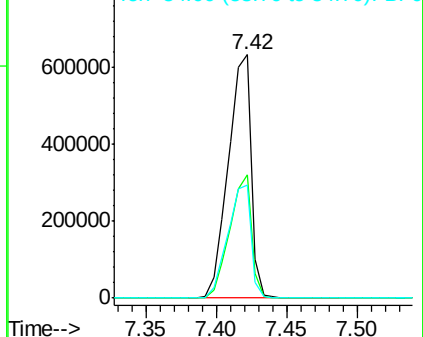
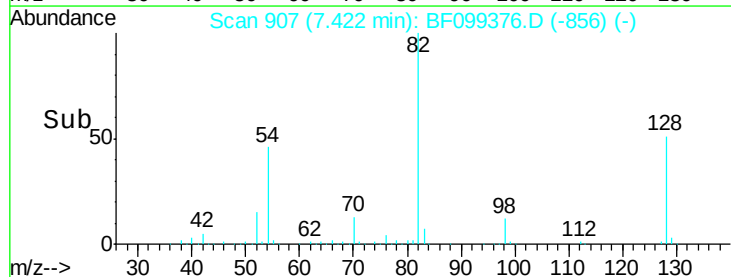


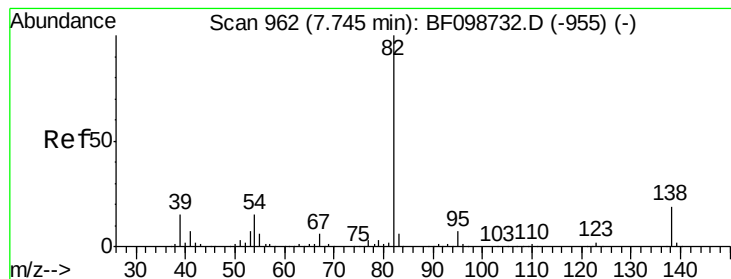
#23
Nitrobenzene-d5
Concen: 88.43 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion: 82	Resp:	715285
Ion	Ratio	Lower Upper
82	100	
128	50.6	36.1 54.1
54	46.4	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: 42.77 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampleId :

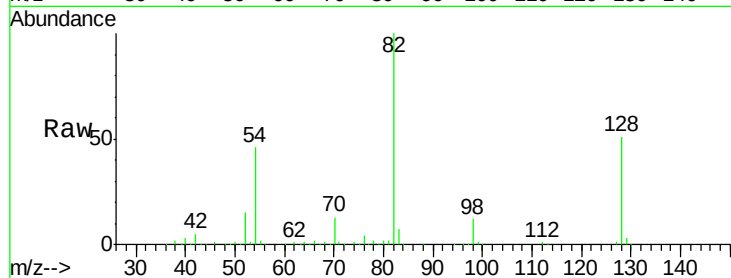
Tot Ion: 82 Resp: 715271

Ion Ratio Lower Upper

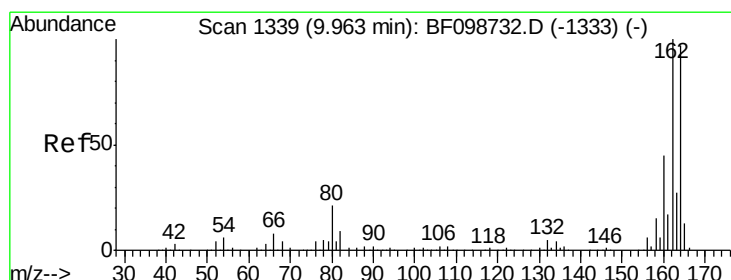
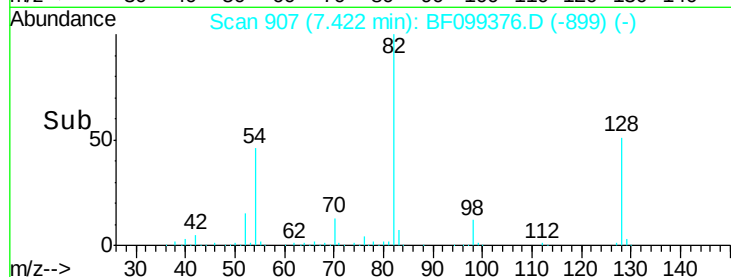
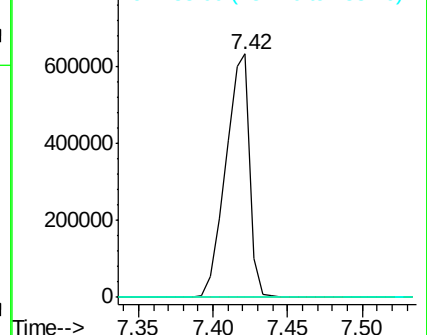
82 100

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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

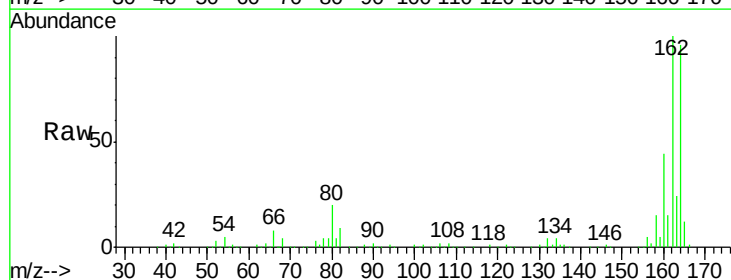
Tgt Ion: 164 Resp: 230069

Ion Ratio Lower Upper

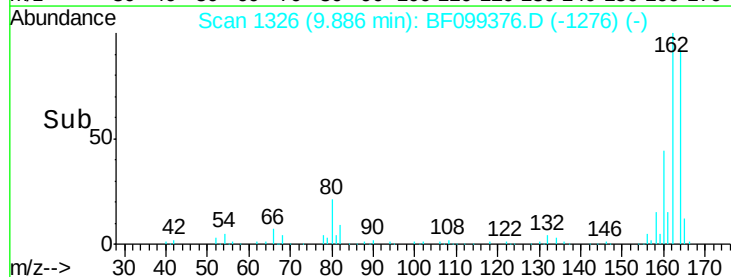
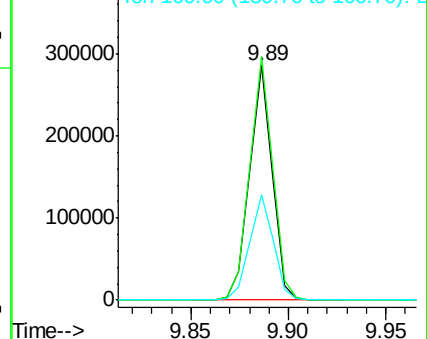
164 100

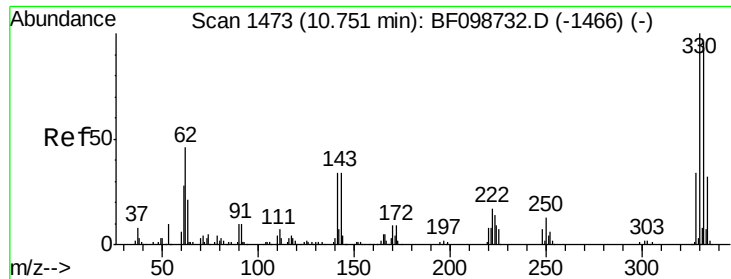
162 103.9 86.1 129.1

160 45.2 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

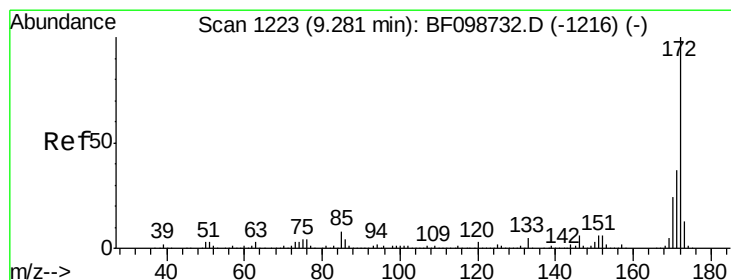
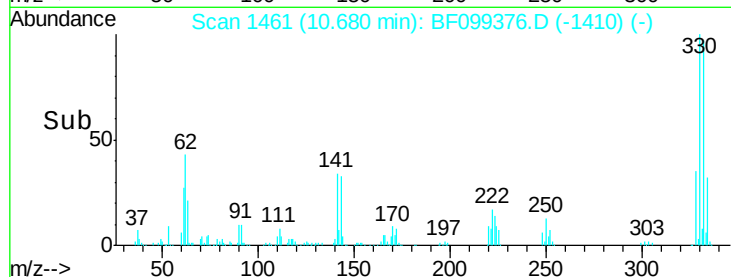
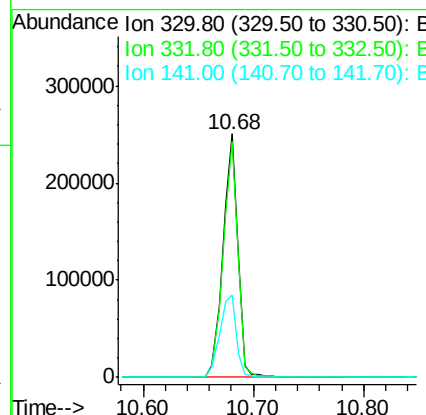
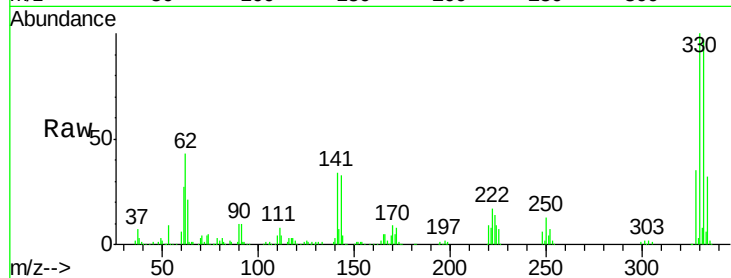




#41
 2,4,6-Tribromophenol
 Concen: 124.56 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099376.D
 Acq: 12 Oct 2017 6:47

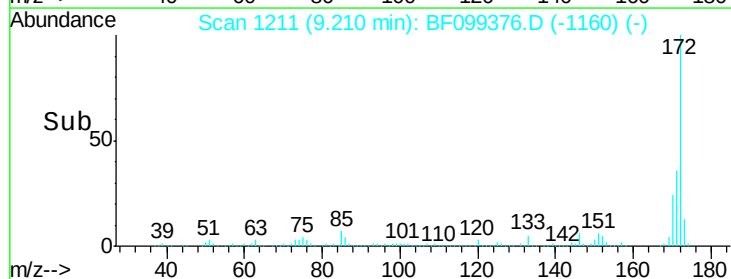
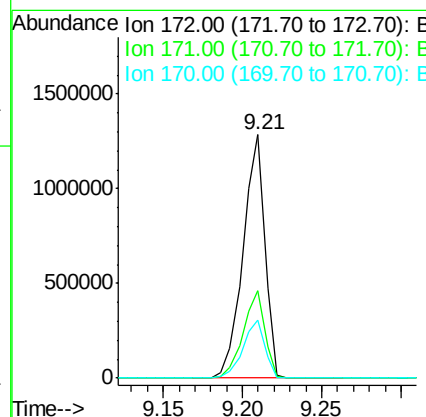
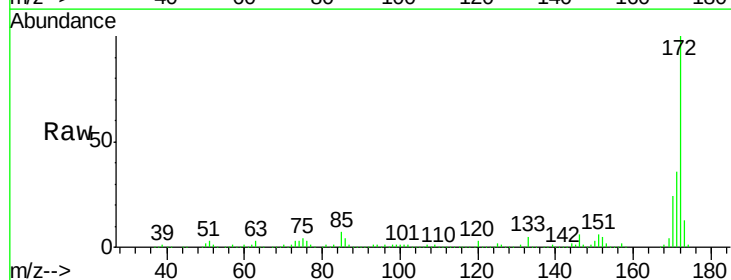
Instrument :
 BNA_F
 ClientSampleId :

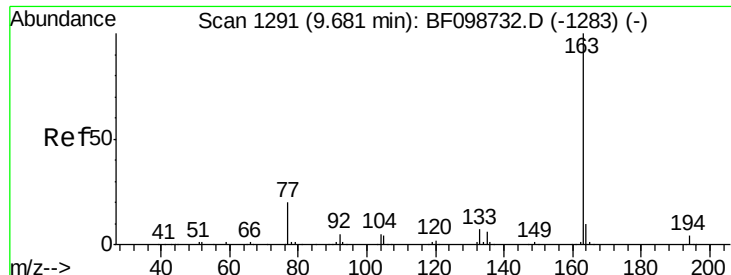
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	37.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 88.72 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099376.D
 Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4

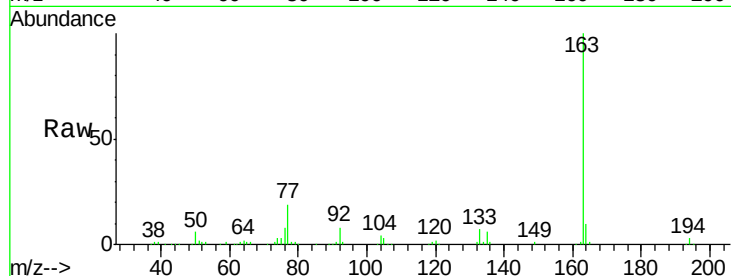




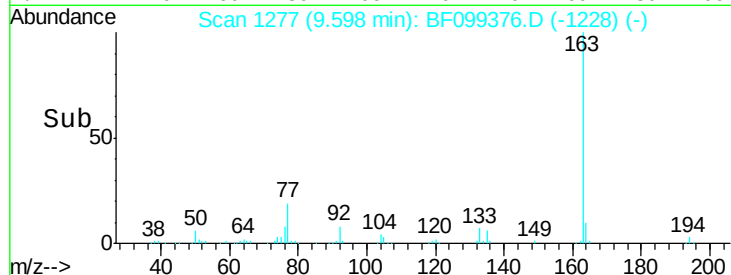
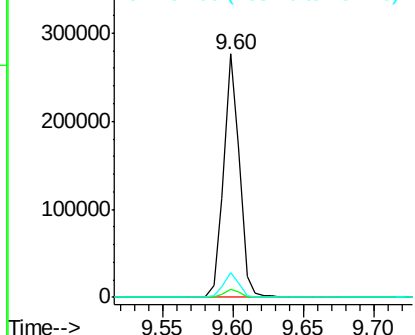
#49
Dimethylphthalate
Concen: 12.40 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 215329
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.2 8.2 12.2



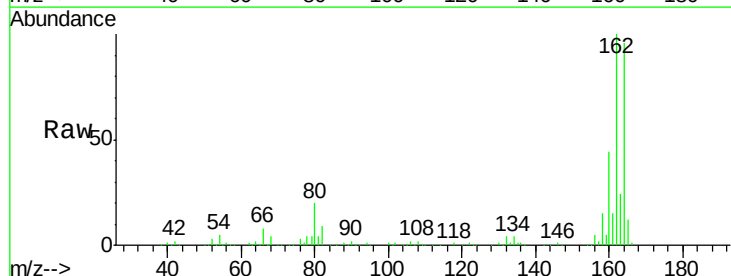
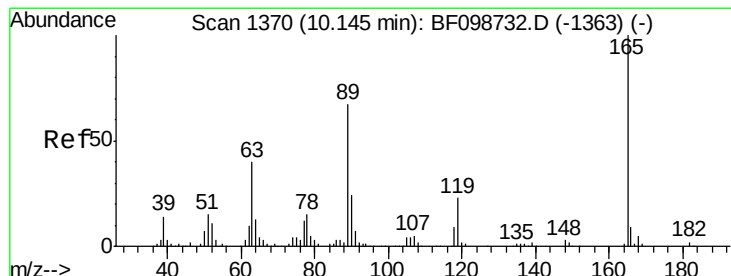
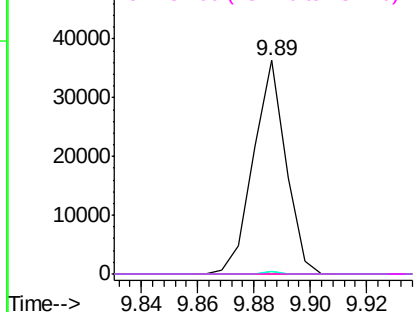
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

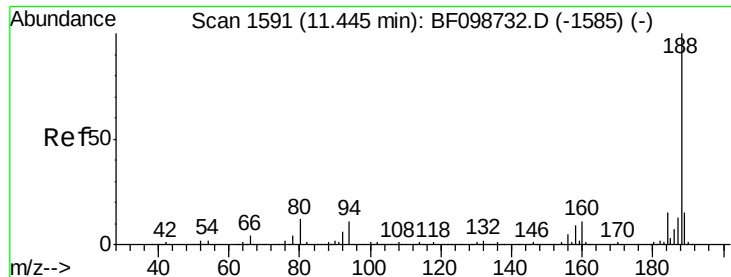


#56
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion:165 Resp: 28985
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.1 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

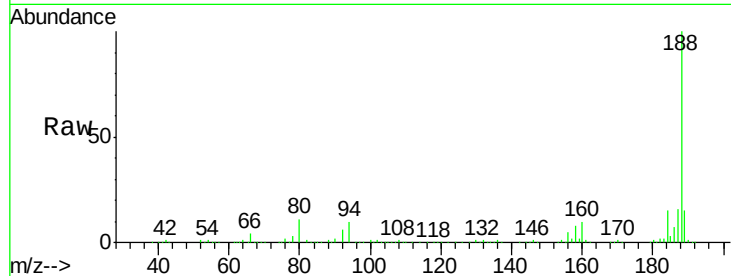




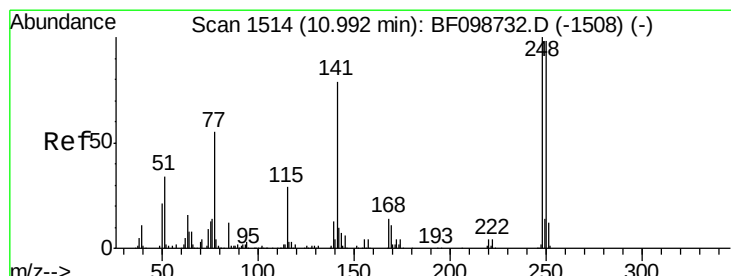
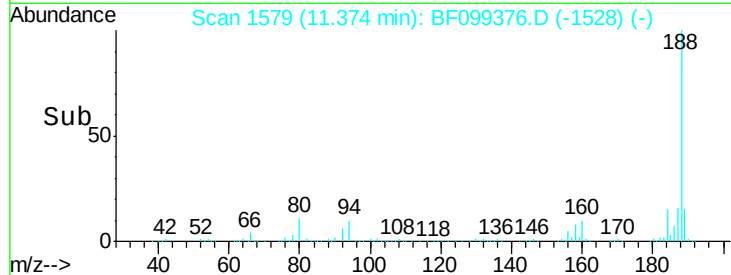
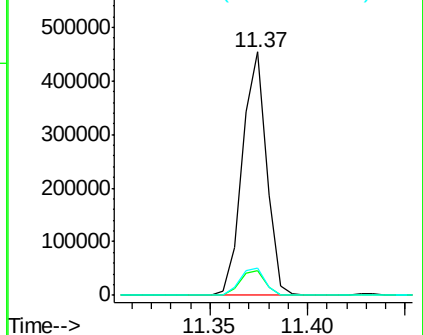
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 389600
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 11.0 9.2 13.8

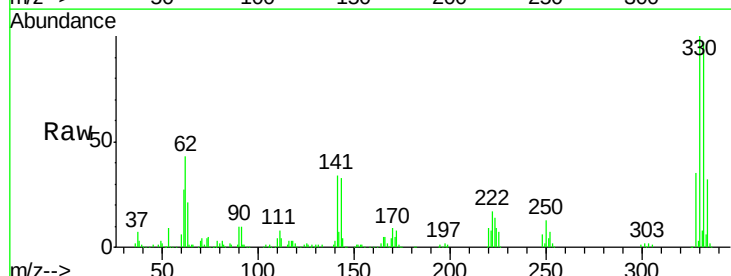


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

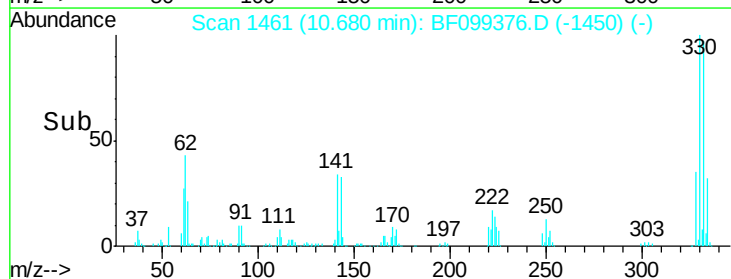
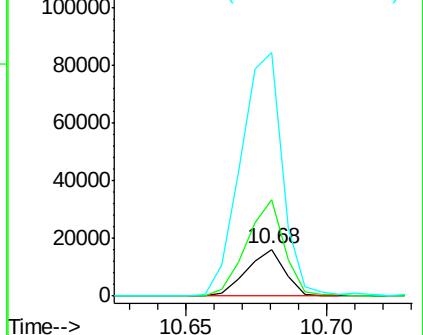


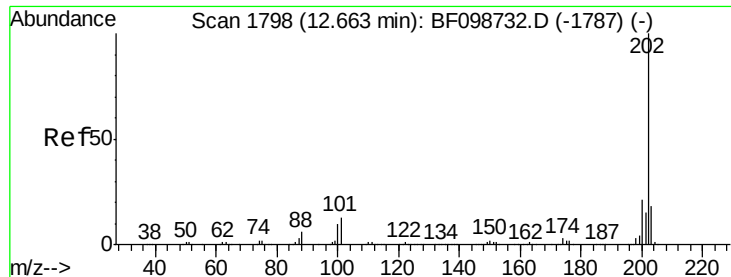
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion:248 Resp: 15195
Ion Ratio Lower Upper
248 100
250 205.1 76.9 115.3#
141 521.0 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





#74

Fluoranthene

Concen: 3.73 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF099376.D

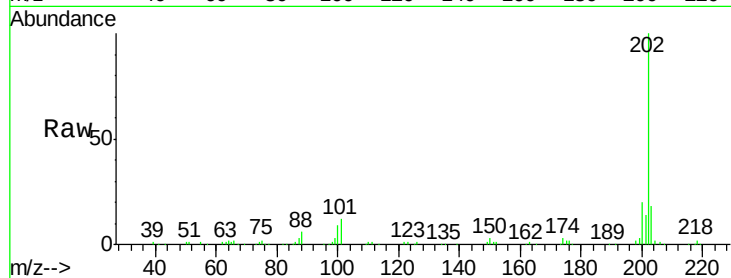
Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampleId :

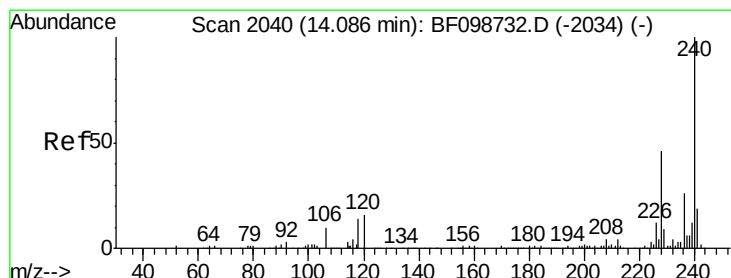
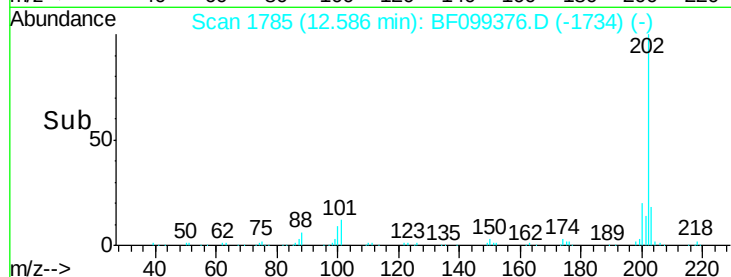
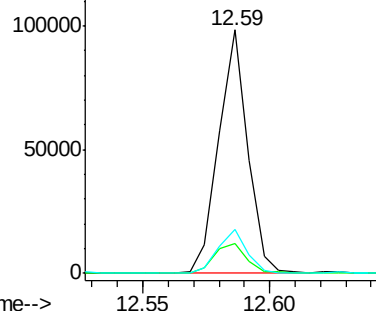
Tot Ion:	202	Resp:	78786
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.1	0.0	38.1



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

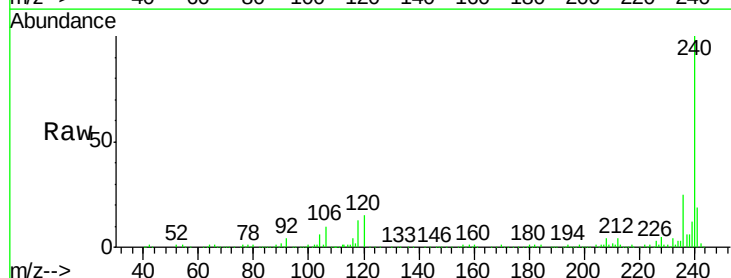
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

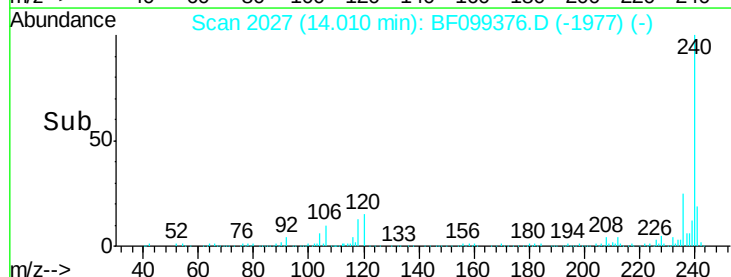
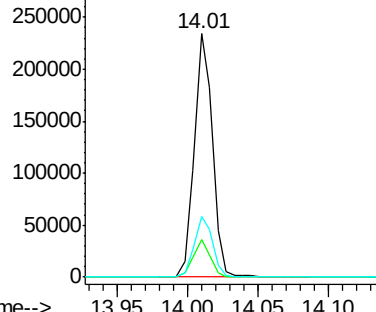
Tgt Ion:	240	Resp:	209045
Ion	Ratio	Lower	Upper
240	100		
120	15.4	9.5	14.3#
236	24.9	20.7	31.1

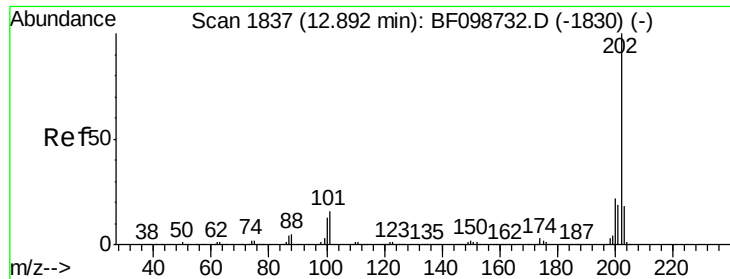


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.01 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampled :

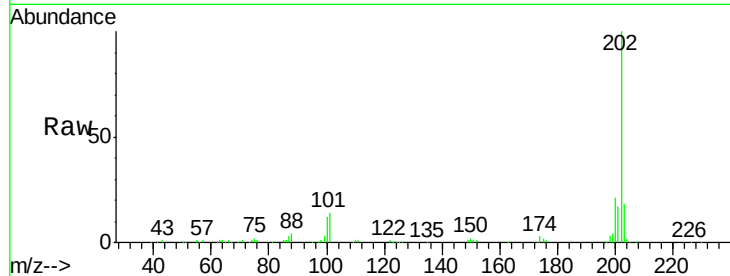
Tot Ion:202 Resp: 95781

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

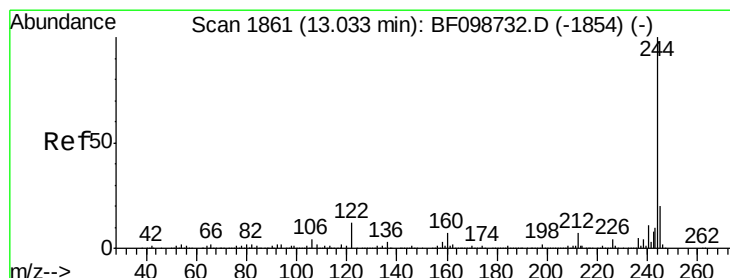
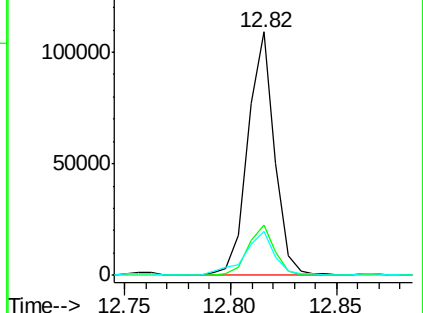
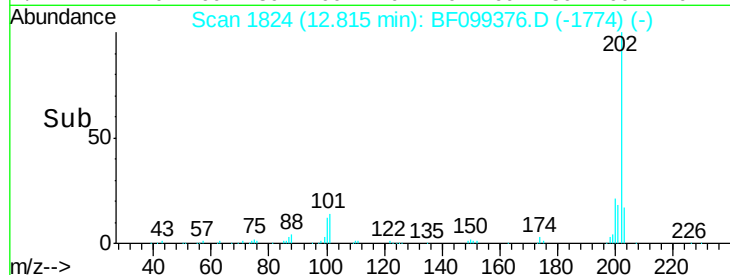
203 17.8 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 100.01 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

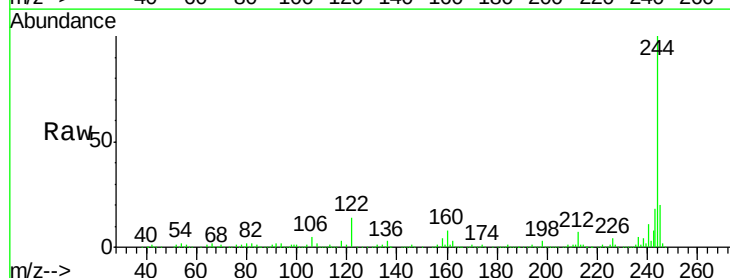
Tgt Ion:244 Resp: 919261

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

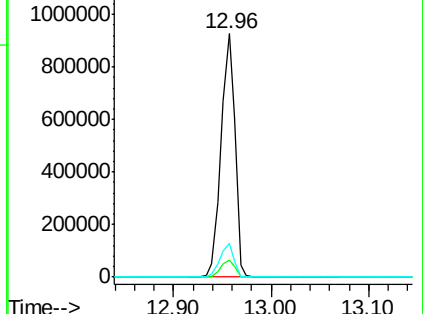
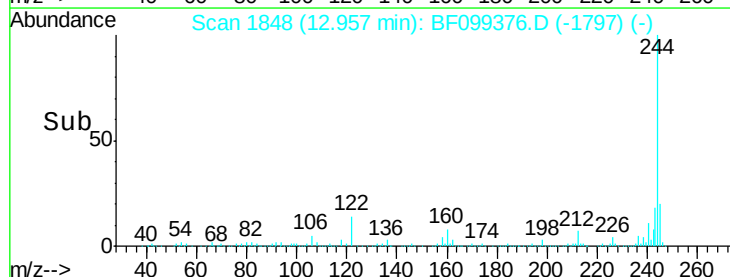
122 13.7 11.0 16.4

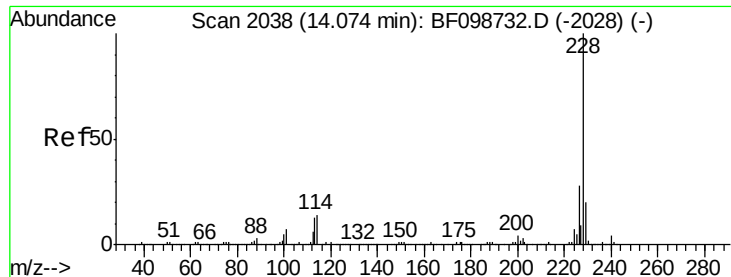


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.14 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampleId :

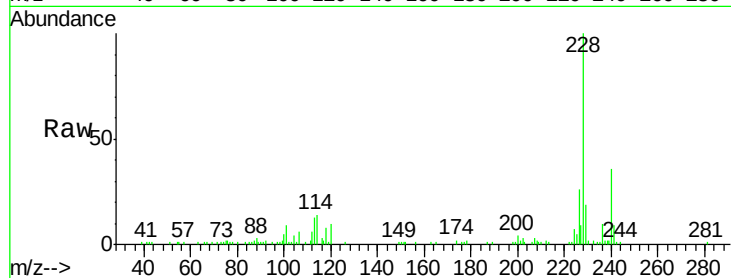
Tot Ion:228 Resp: 39782

Ion Ratio Lower Upper

228 100

226 26.0 22.6 33.8

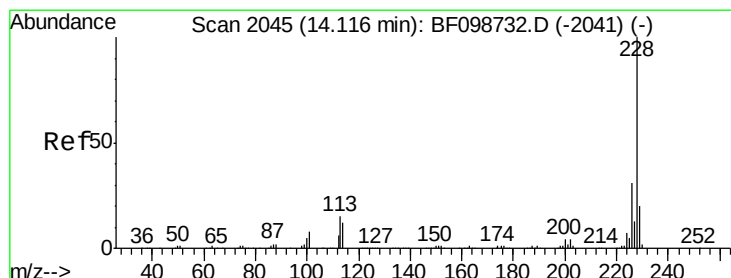
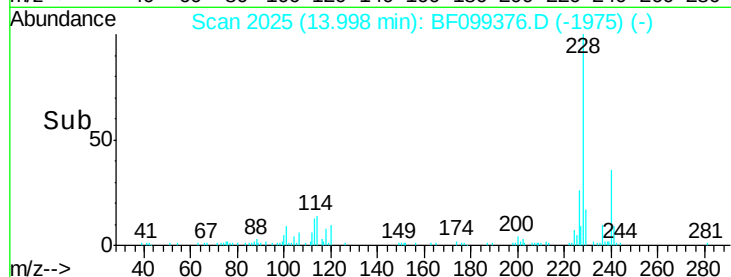
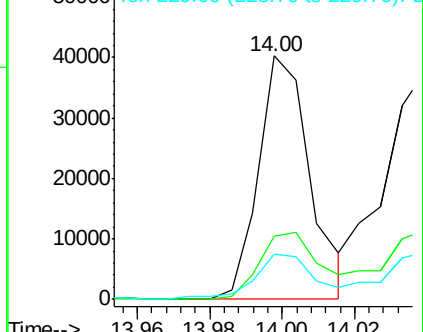
229 18.6 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.42 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

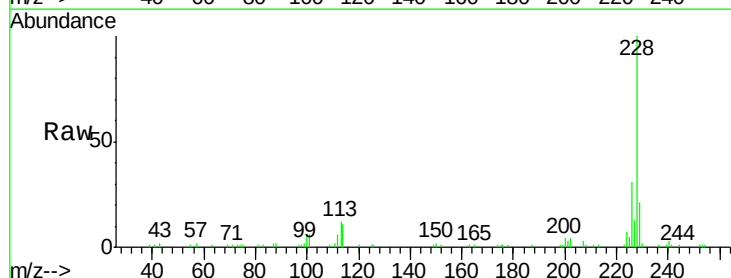
Tgt Ion:228 Resp: 41159

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

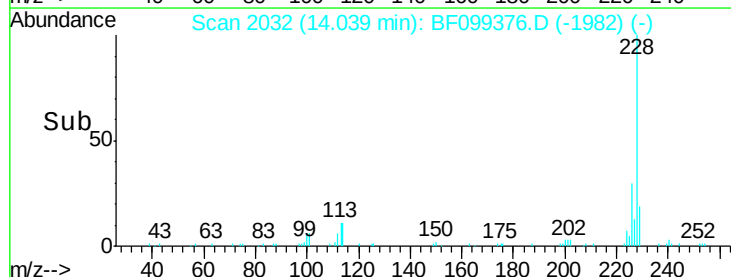
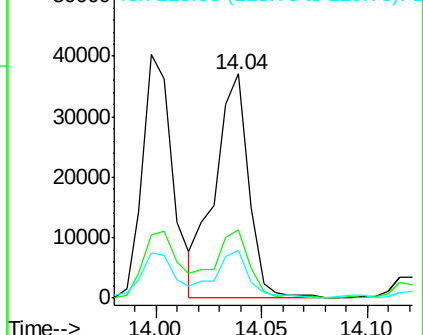
229 21.0 16.2 24.4

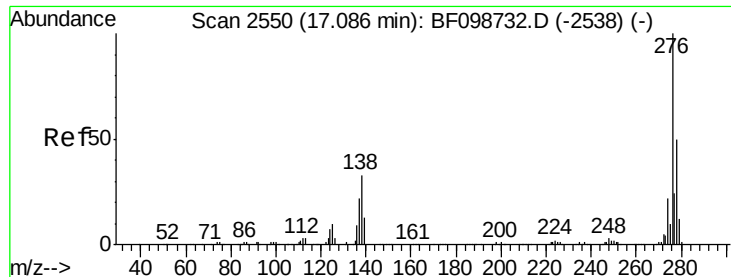


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

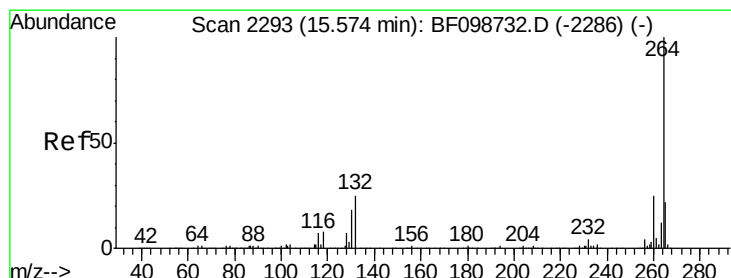
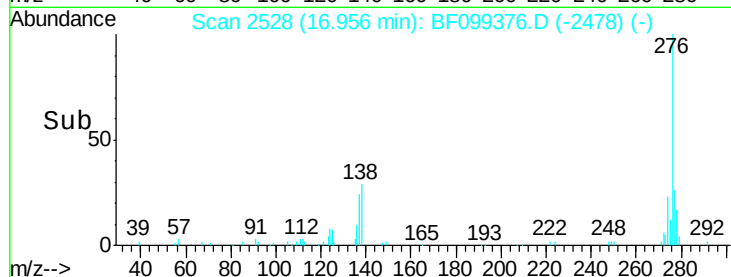
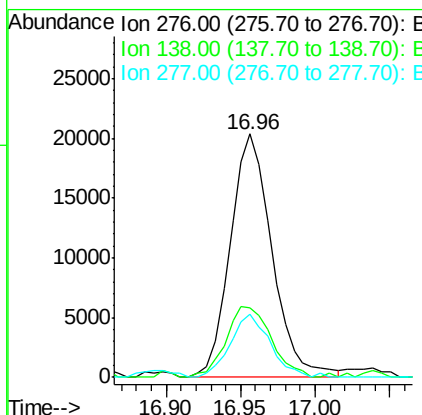
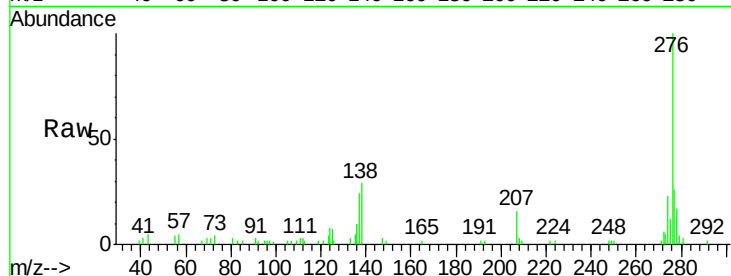




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.13 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.01 min
 Lab File: BF099376.D
 Acq: 12 Oct 2017 6:47

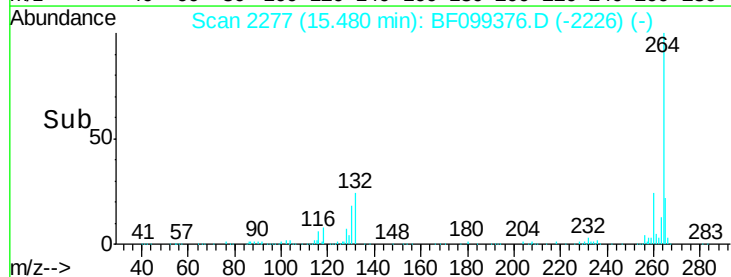
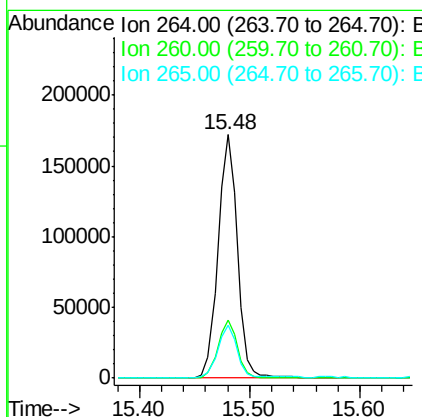
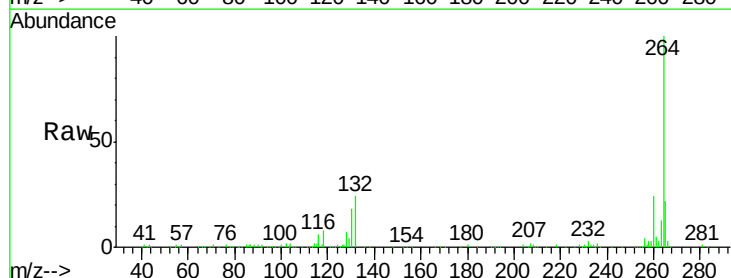
Instrument :
 BNA_F
 ClientSampled :

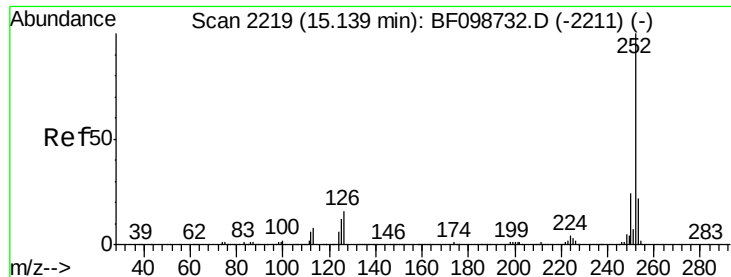
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.0	37.6
277	24.9	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BF099376.D
 Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

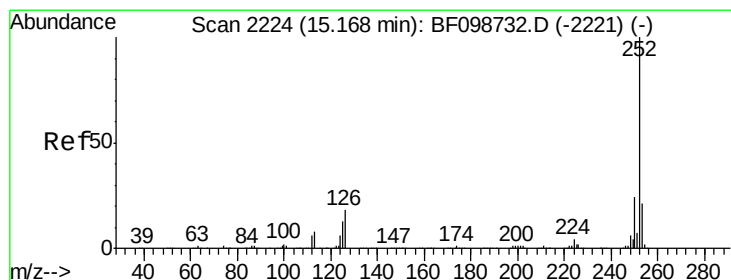
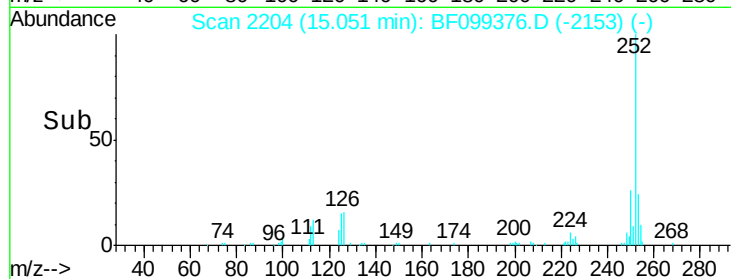
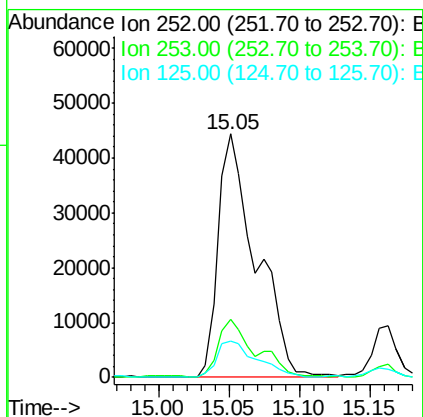
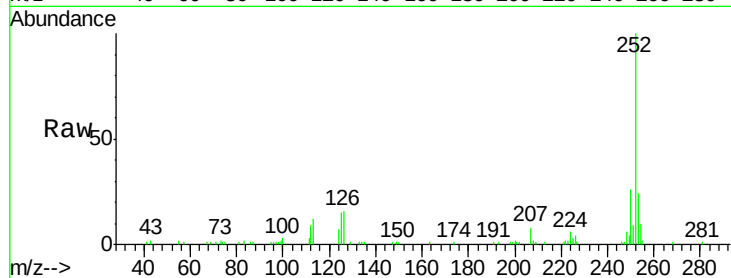




#87
Benzo(b)fluoranthene
Concen: 6.51 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

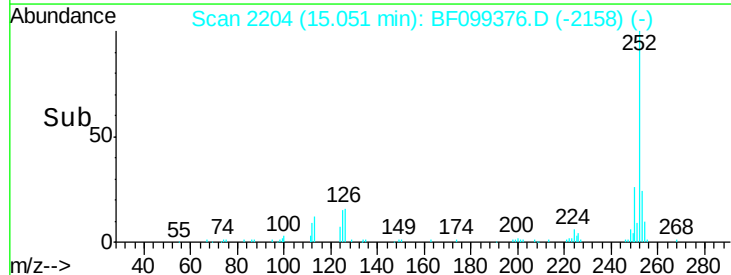
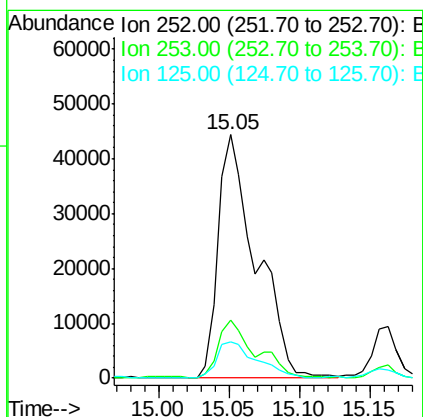
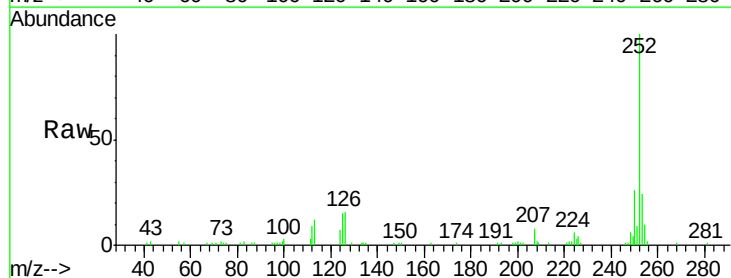
Instrument :
BNA_F
ClientSampleId :

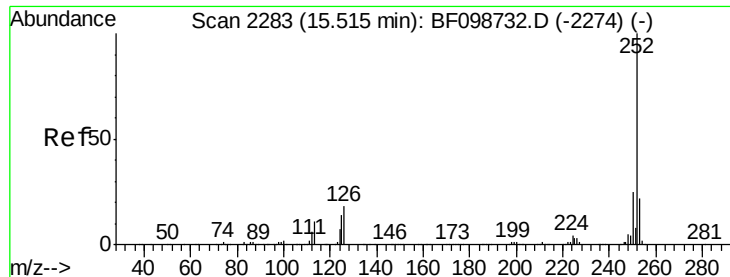
Tot Ion:252 Resp: 83711
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.6
125 15.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 6.59 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion:252 Resp: 83711
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 15.0 10.2 15.2

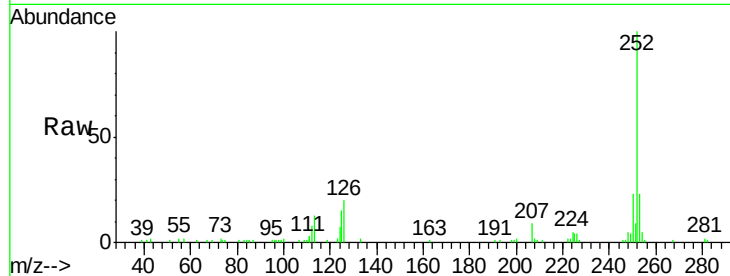




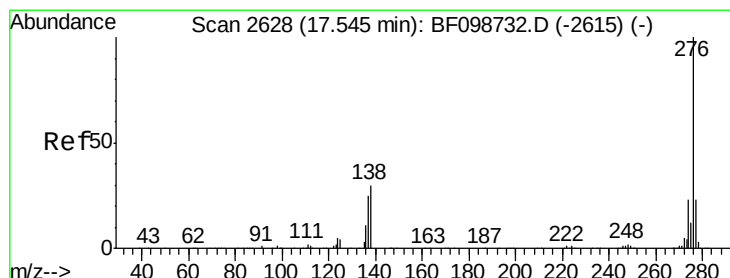
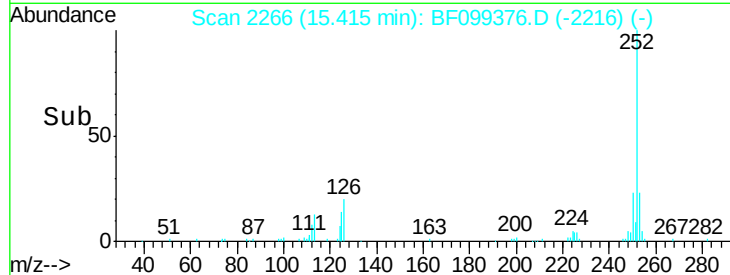
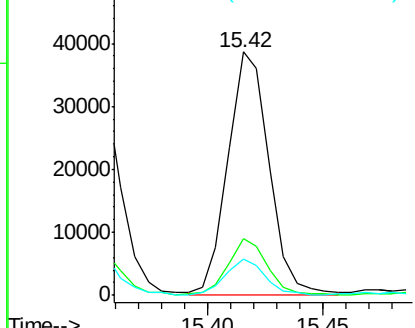
#89
Benzo(a)pyrene
Concen: 4.09 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	14.8	9.8	14.6

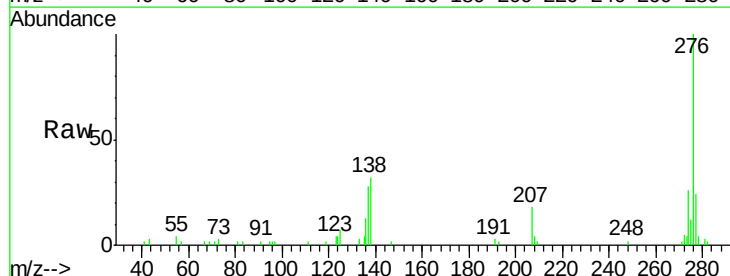


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.65 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	32.4	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

