

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114371.D
 Acq On : 18 May 2019 1:36
 Operator : JU/SJ
 Sample : K2894-14
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:08:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176288	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	680748	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	319578	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	655014	20.00	ng	0.00
76) Chrysene-d12	14.01	240	496915	20.00	ng	-0.01
87) Perylene-d12	15.49	264	466704	20.00	ng	-0.02

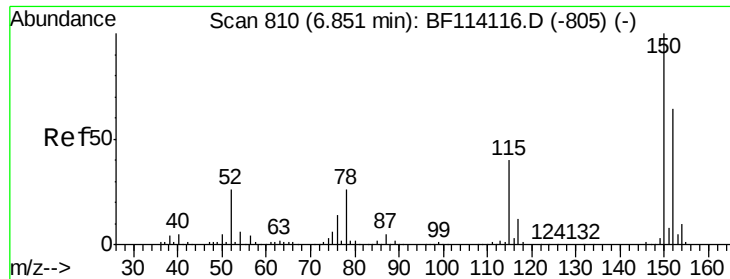
System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1052712	96.10	ng	0.00
7) Phenol-d6	6.49	99	1390057	107.29	ng	0.00
23) Nitrobenzene-d5	7.40	82	837676	69.06	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	341416	103.34	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1370687	64.88	ng	-0.01
79) Terphenyl-d14	12.95	244	1441172	59.79	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	107833	13.131	ng	# 77
25) Isophorone	7.40	82	837671	37.235	ng	# 64
50) Dimethylphthalate	9.59	163	272711	11.624	ng	99
57) 2,4-Dinitrotoluene	9.88	165	42838	6.065	ng	# 26
67) 4-Bromophenyl-phenylether	10.67	248	21529	2.985	ng	# 1
71) Phenanthrene	11.39	178	134752	4.229	ng	97
75) Fluoranthene	12.58	202	247938	7.225	ng	96
78) Pyrene	12.81	202	226024	5.654	ng	98
81) Benzo(a)anthracene	14.00	228	133327	4.148	ng	97
83) Chrysene	14.04	228	134745	4.277	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	58971	2.118	ng	99
88) Benzo(b)fluoranthene	15.06	252	222583	7.444	ng	# 94
89) Benzo(k)fluoranthene	15.06	252	222583	8.104	ng	# 95
90) Benzo(a)pyrene	15.42	252	103545	3.935	ng	# 96
92) Benzo(a,h,i)perylene	17.42	276	56759	2.590	ng	97

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

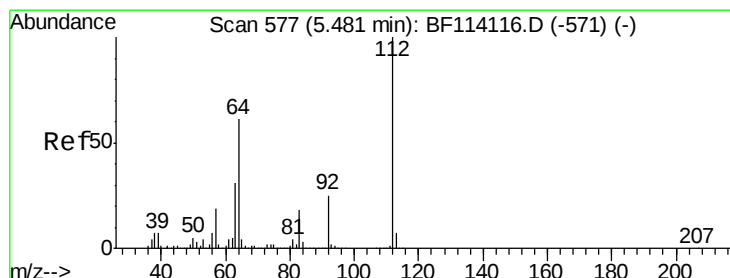
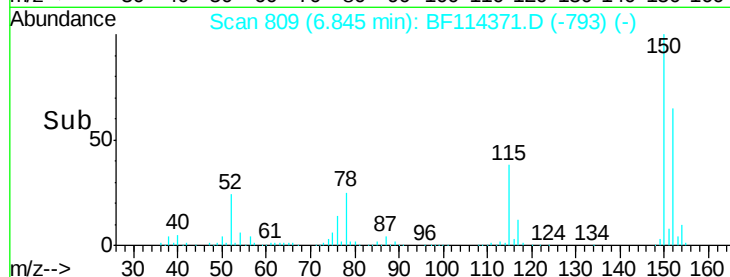
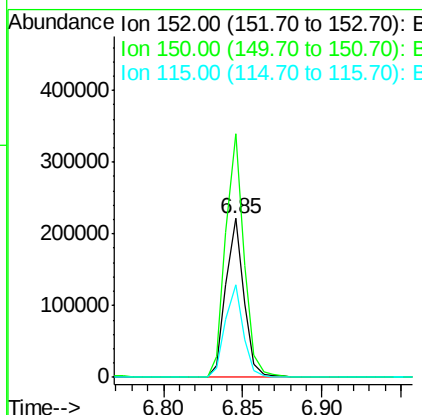
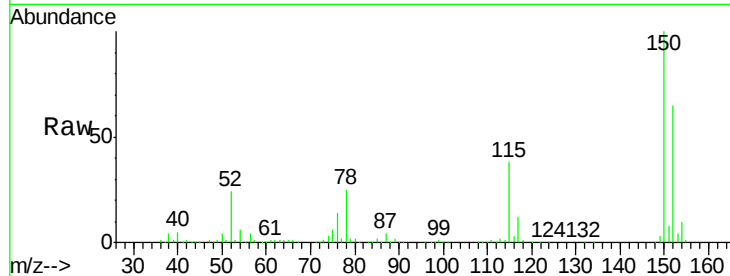


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampleId :

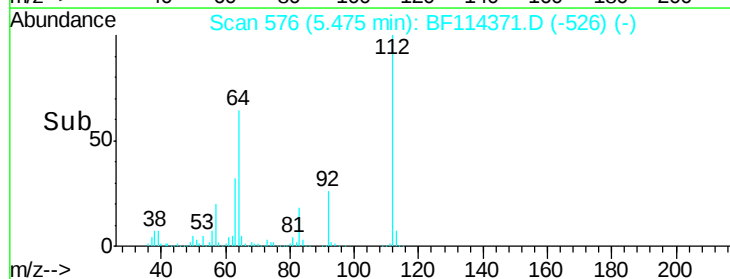
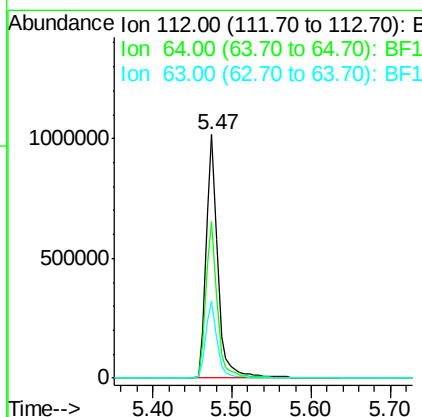
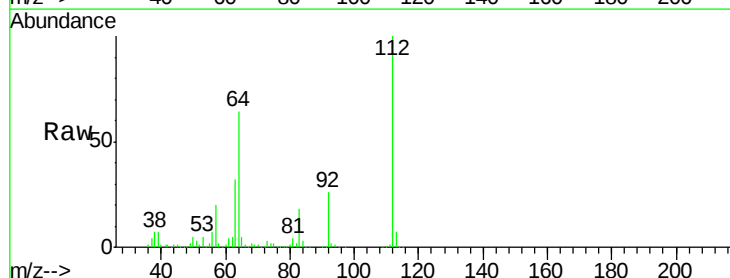
Tot Ion:152 Resp: 176288
Ion Ratio Lower Upper
152 100
150 153.6 124.3 186.5
115 58.1 49.1 73.7

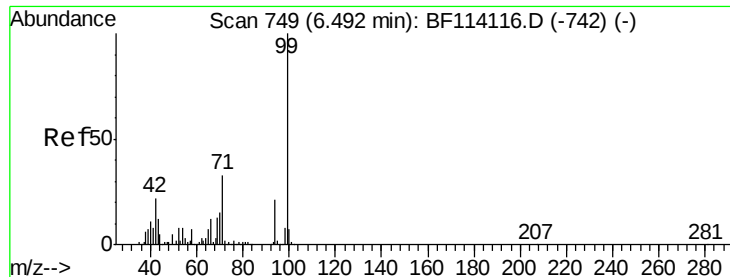


#5

2-Fluorophenol
Concen: 96.098 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion:112 Resp: 1052712
Ion Ratio Lower Upper
112 100
64 64.3 49.0 73.6
63 31.9 24.6 37.0





#7

Phenol-d6

Concen: 107.288 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampleId :

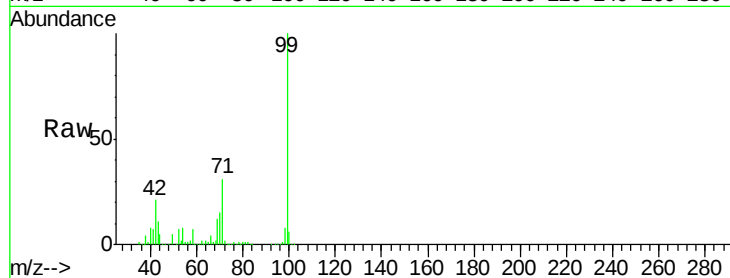
Tot Ion: 99 Resp: 1390057

Ion Ratio Lower Upper

99 100

42 20.8 17.9 26.9

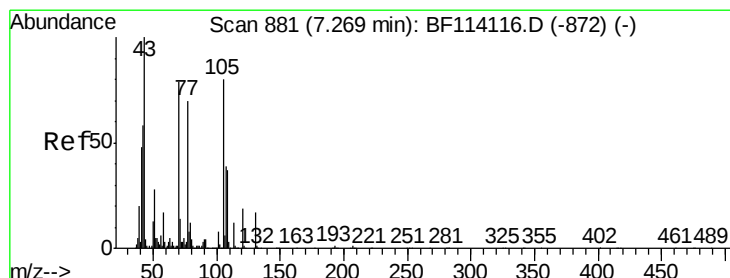
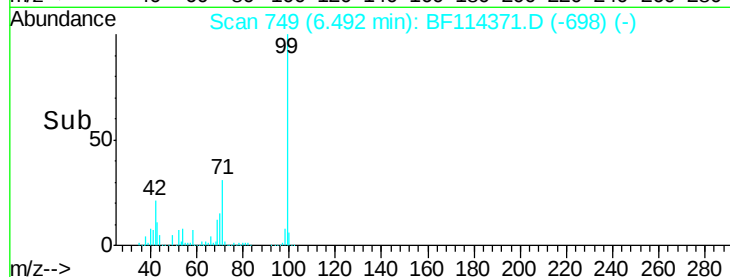
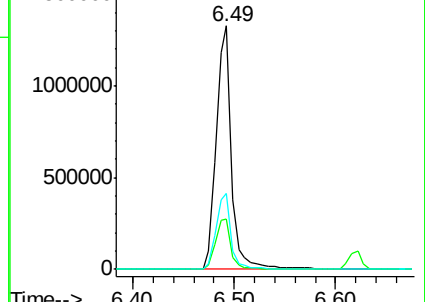
71 31.2 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.131 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Tgt Ion: 70 Resp: 107833

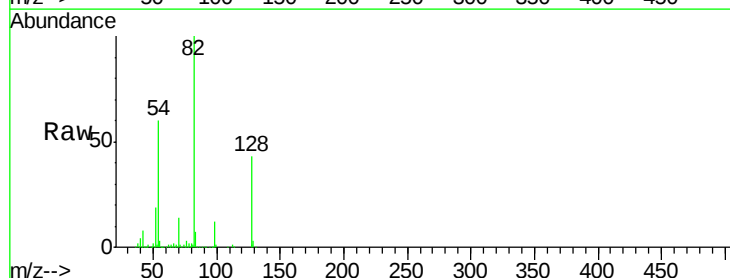
Ion Ratio Lower Upper

70 100

42 58.8 58.6 87.8

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

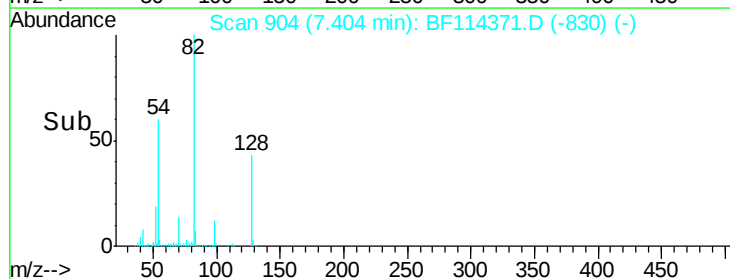
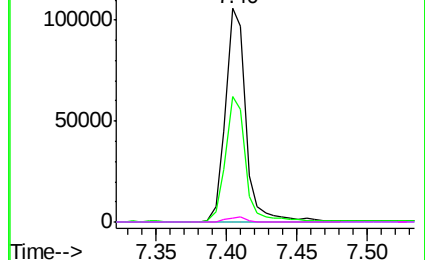


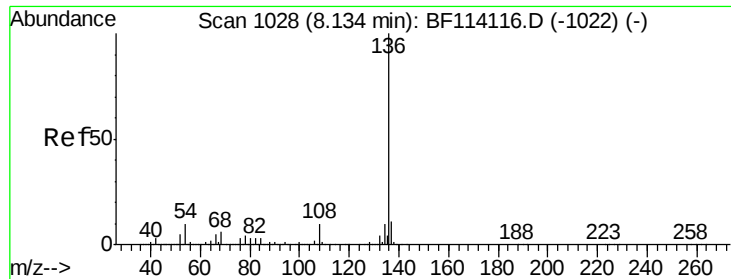
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

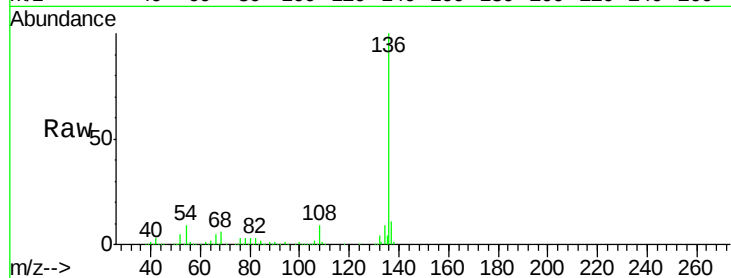




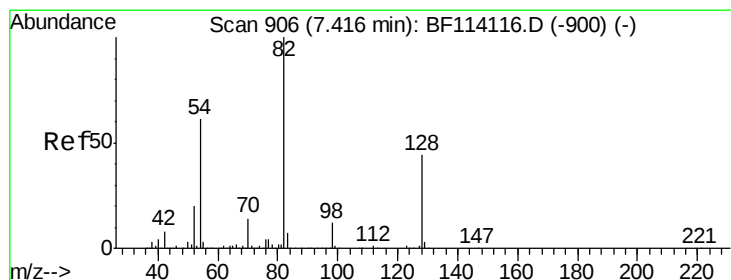
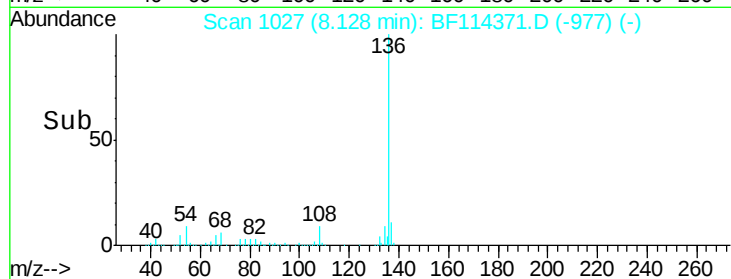
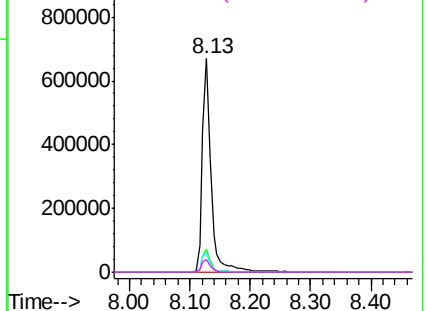
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 680748
Ion Ratio	Lower Upper
136 100	
137 11.1	8.8 13.2
54 8.8	7.8 11.8
68 6.1	5.1 7.7

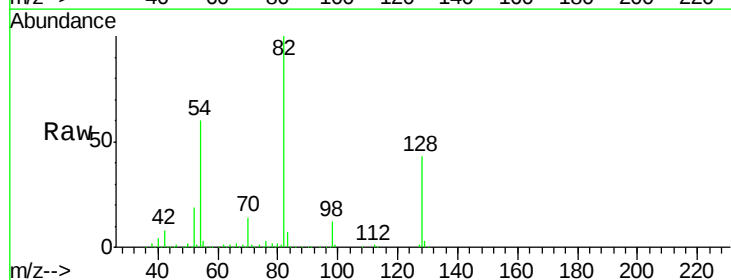


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

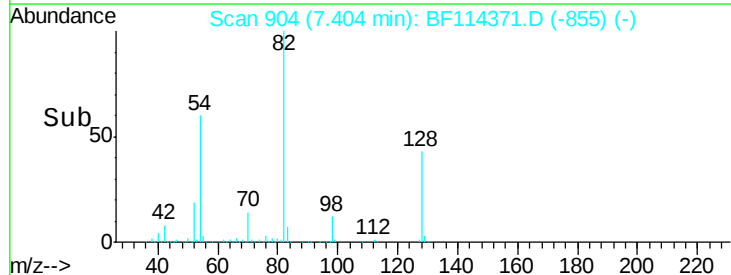
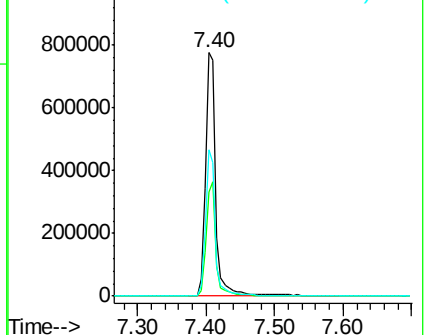


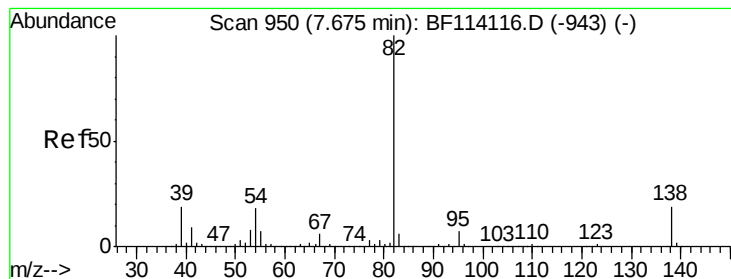
#23
Nitrobenzene-d5
Concen: 69.057 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt	Ion: 82	Resp:	837676
Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.5	53.3
54	60.0	48.5	72.7



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.235 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampleId :

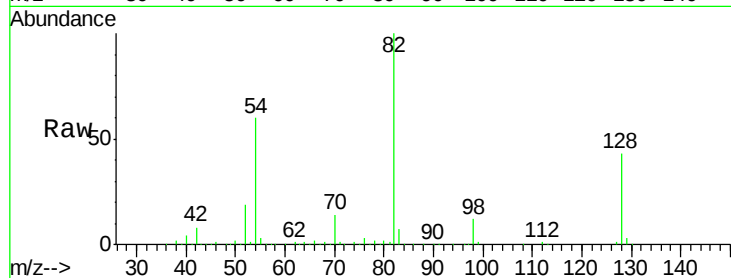
Tot Ion: 82 Resp: 837671

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

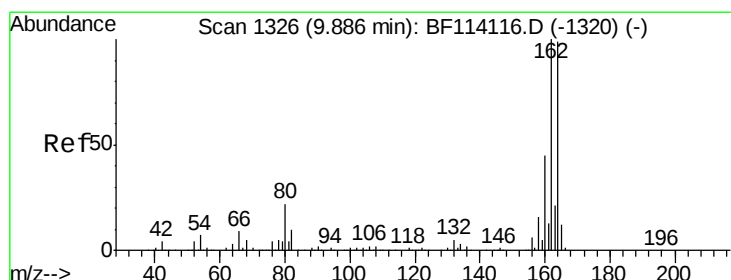
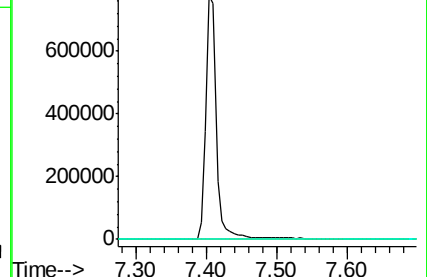
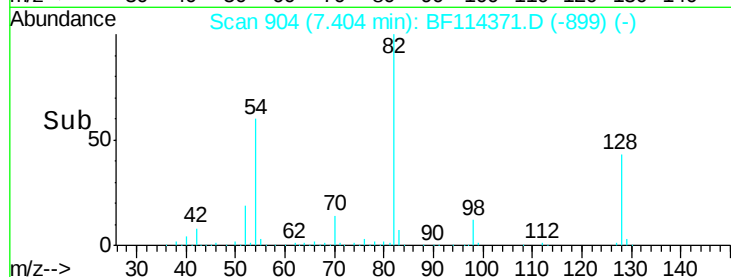
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

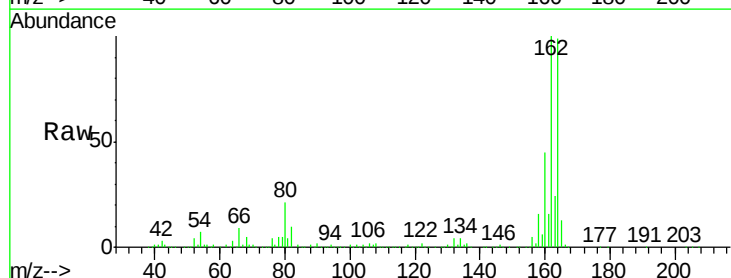
Tgt Ion: 164 Resp: 319578

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

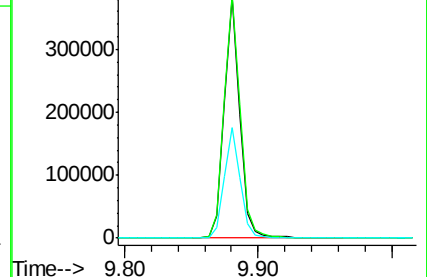
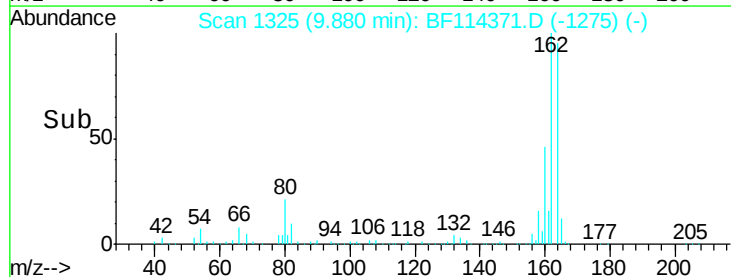
160 45.8 36.5 54.7

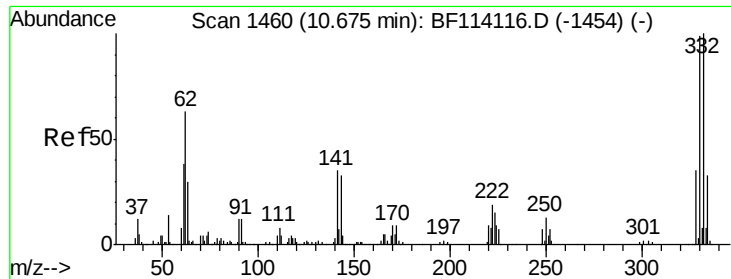


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 103.337 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampled :

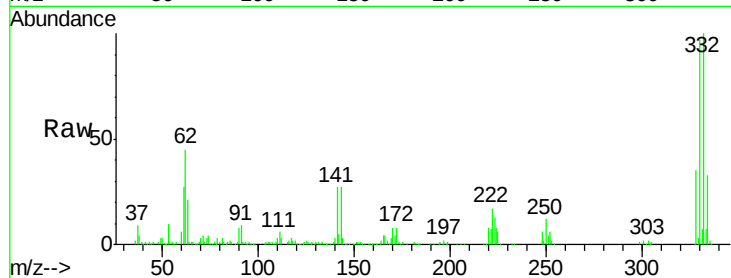
Tot Ion:330 Resp: 341416

Ion Ratio Lower Upper

330 100

332 102.3 81.4 122.2

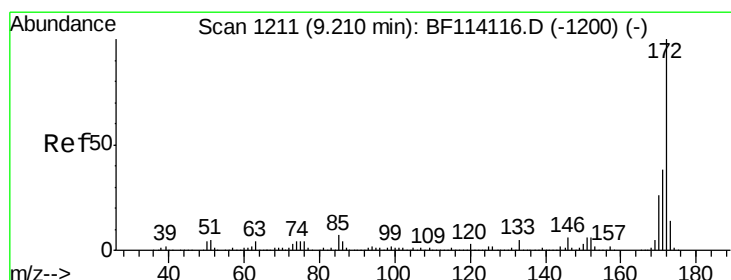
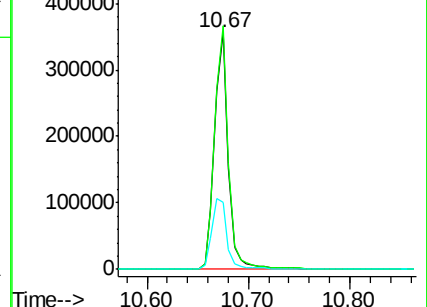
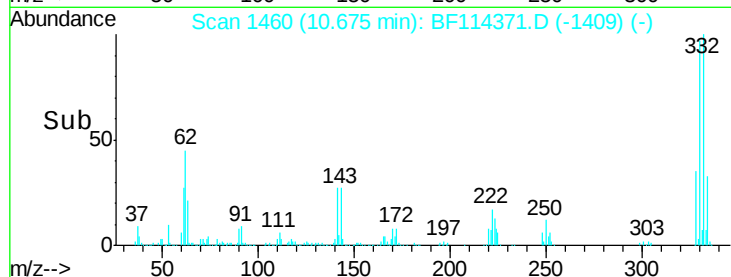
141 32.8 26.6 40.0



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



#45

2-Fluorobiphenyl

Concen: 64.879 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

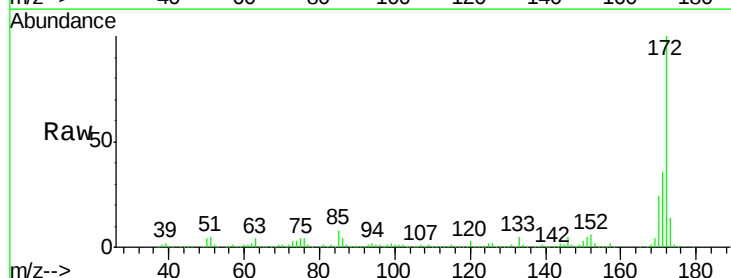
Tgt Ion:172 Resp: 1370687

Ion Ratio Lower Upper

172 100

171 35.8 30.7 46.1

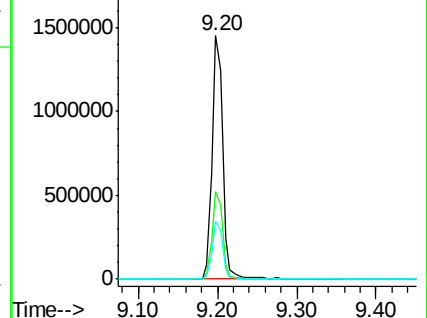
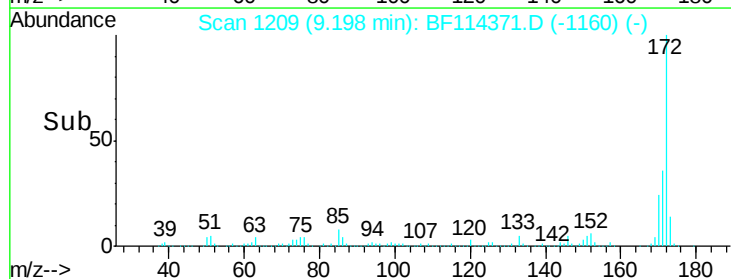
170 23.9 20.5 30.7

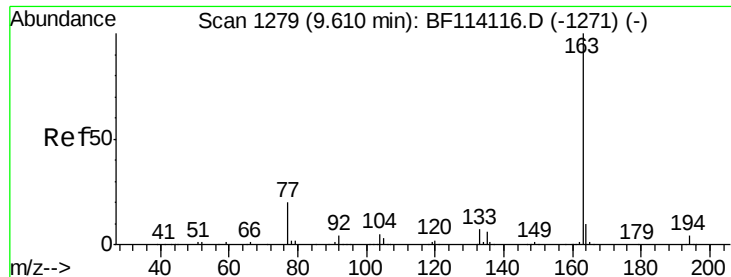


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.624 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampleId :

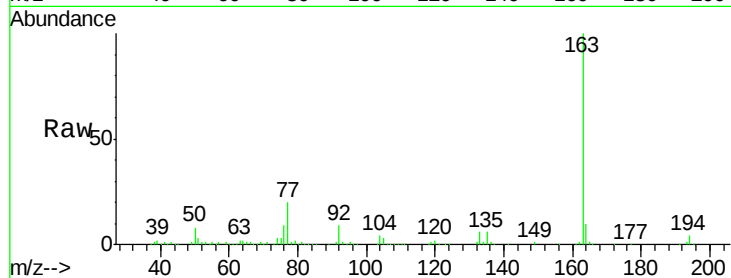
Tot Ion:163 Resp: 272711

Ion Ratio Lower Upper

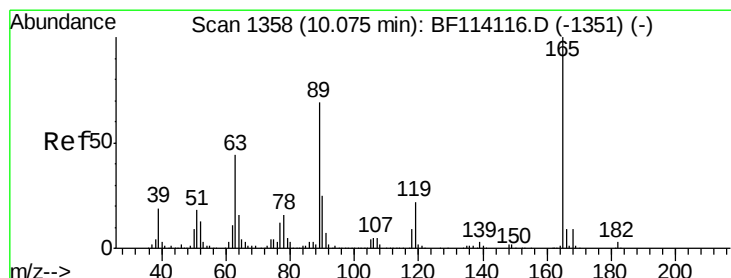
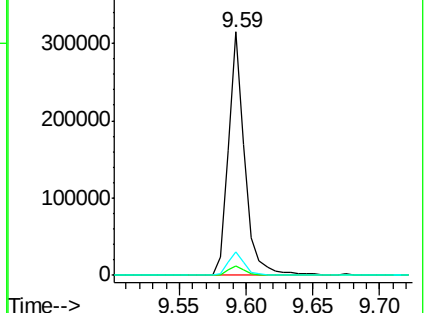
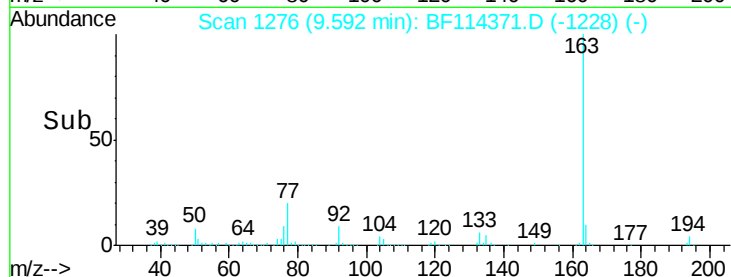
163 100

194 3.8 3.4 5.0

164 9.8 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



#57

2,4-Dinitrotoluene

Concen: 6.065 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Tgt Ion:165 Resp: 42838

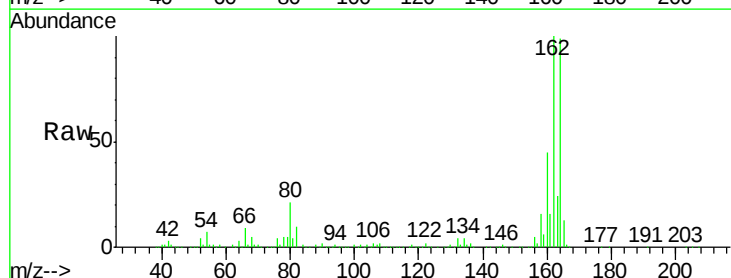
Ion Ratio Lower Upper

165 100

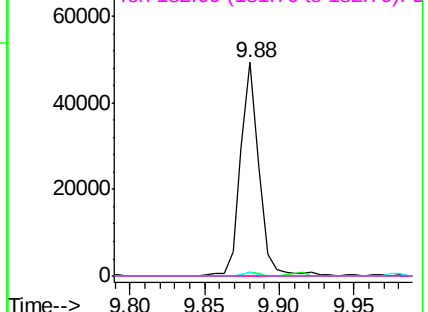
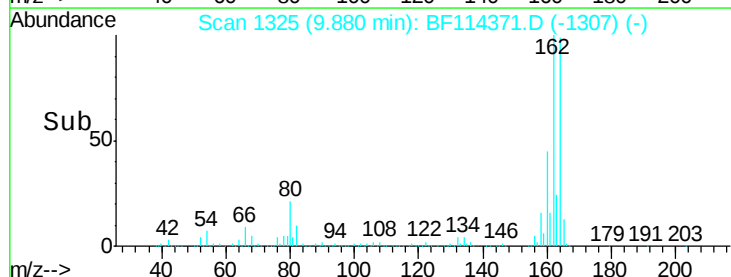
63 1.7 35.5 53.3#

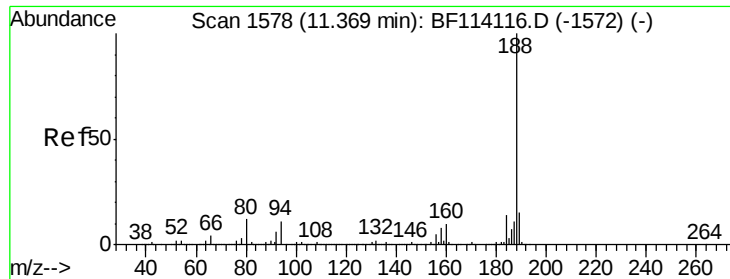
89 1.8 55.2 82.8#

182 0.0 2.2 3.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampleId :

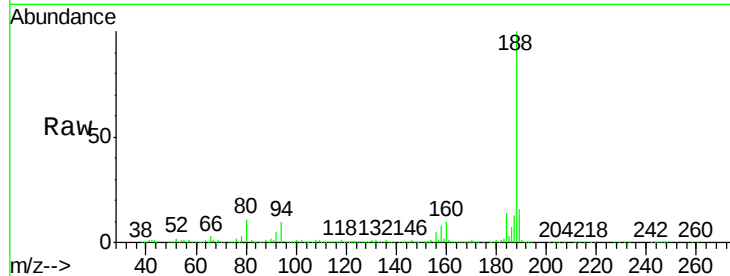
Tot Ion:188 Resp: 655014

Ion Ratio Lower Upper

188 100

94 9.6 8.4 12.6

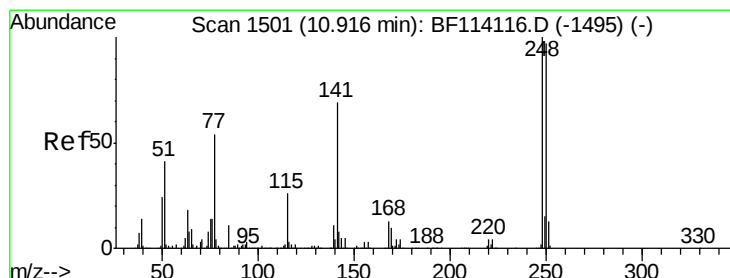
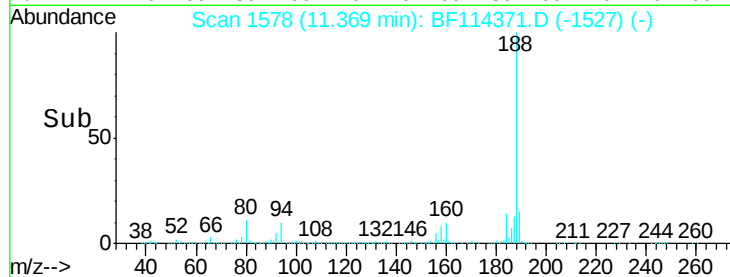
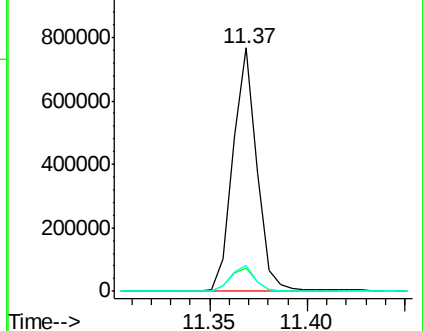
80 10.9 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.985 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.24 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

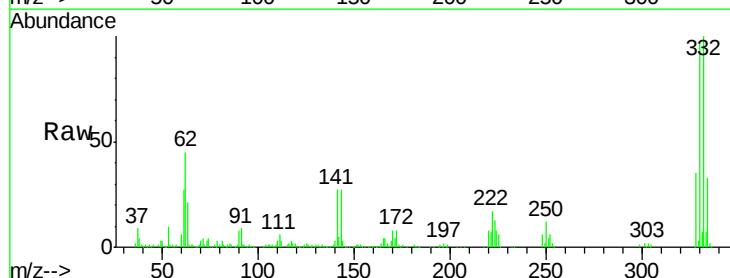
Tgt Ion:248 Resp: 21529

Ion Ratio Lower Upper

248 100

250 190.0 77.4 116.2#

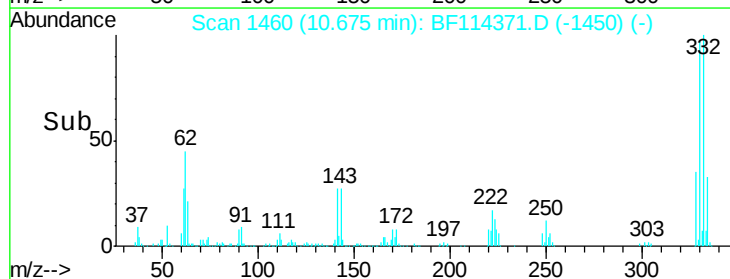
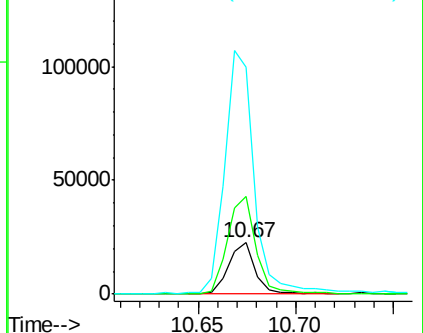
141 443.6 55.6 83.4#

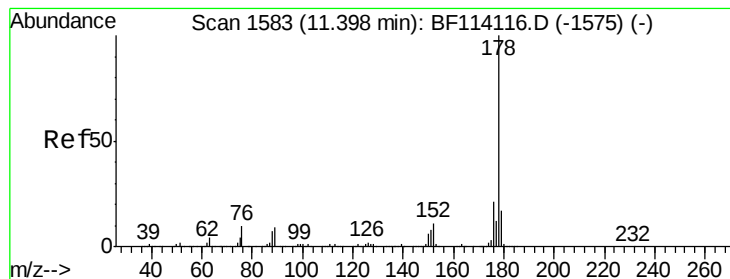


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.229 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

Instrument :

BNA_F

ClientSampleId :

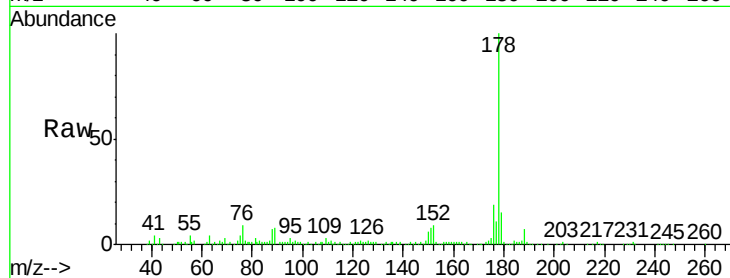
Tot Ion:178 Resp: 134752

Ion Ratio Lower Upper

178 100

176 19.4 16.4 24.6

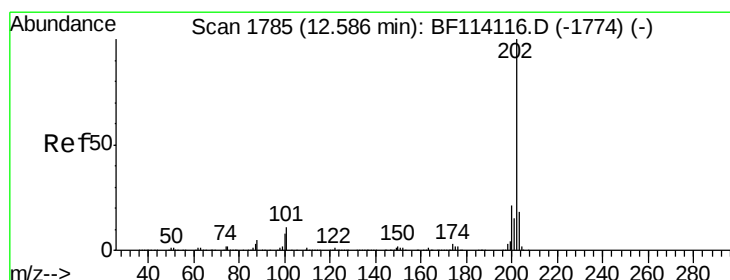
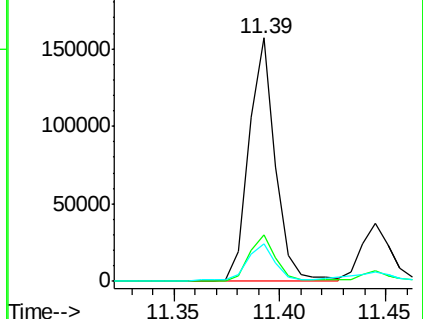
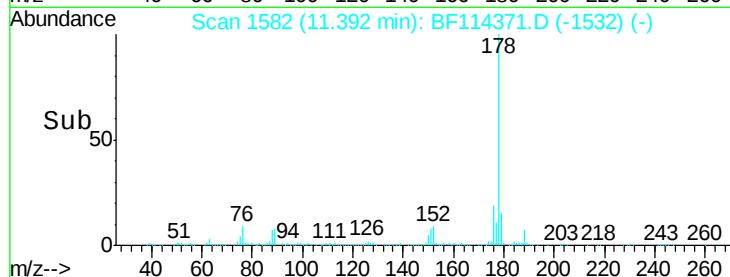
179 15.3 13.2 19.8



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



#75

Fluoranthene

Concen: 7.225 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114371.D

Acq: 18 May 2019 1:36

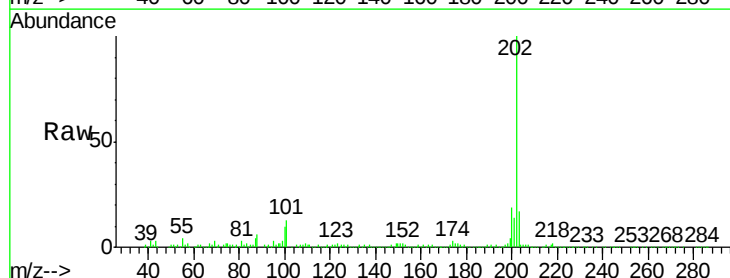
Tgt Ion:202 Resp: 247938

Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.0

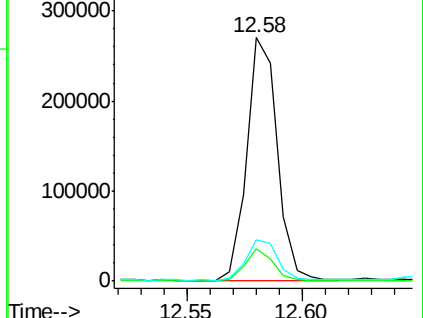
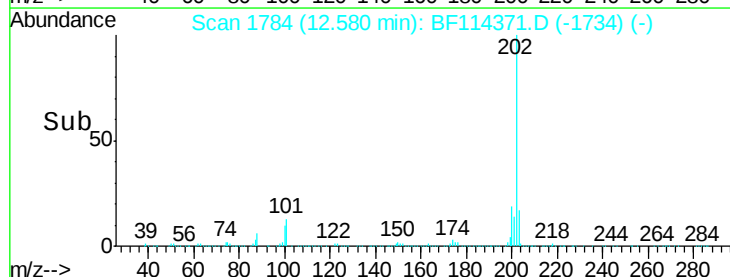
203 17.3 0.0 38.4

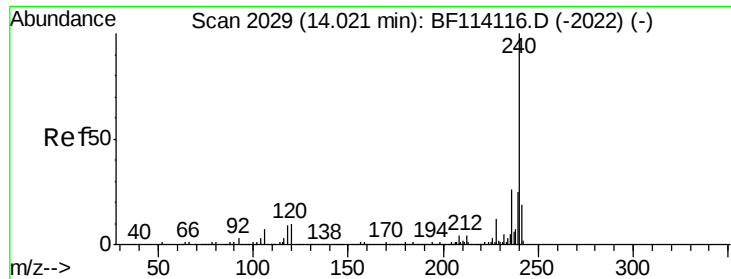


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

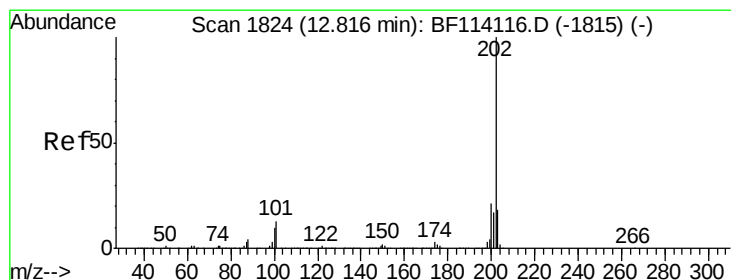
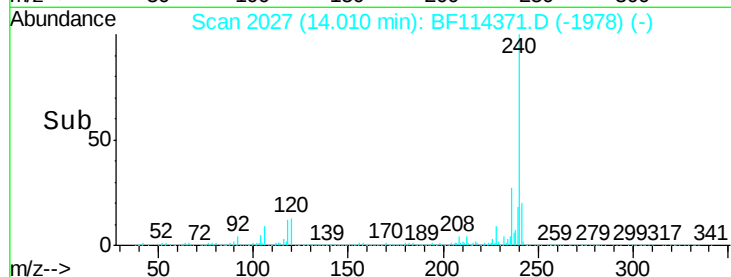
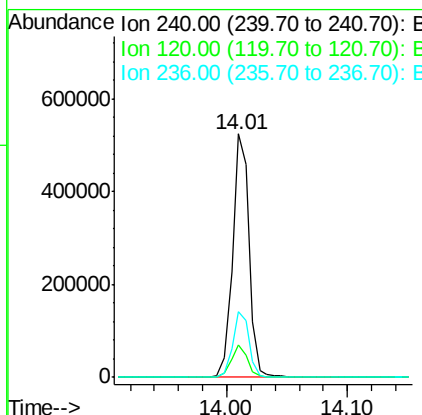
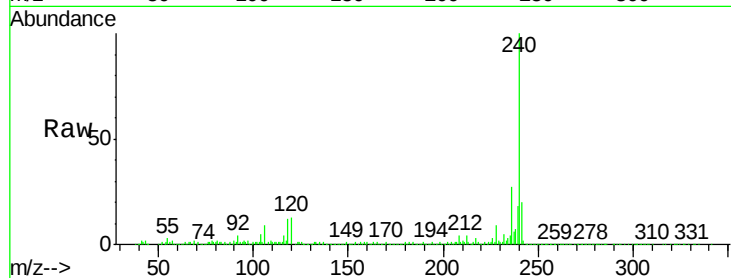




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

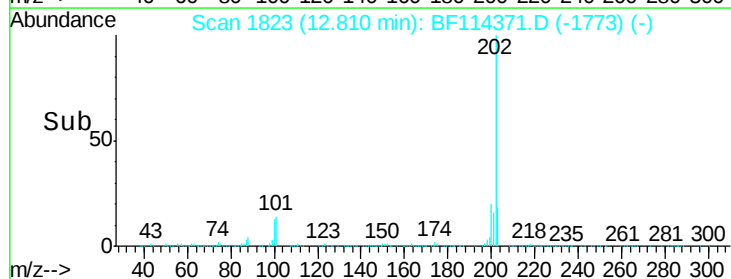
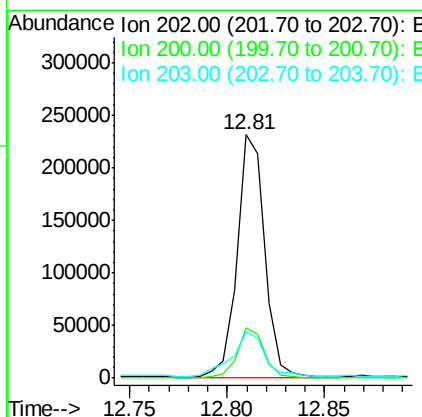
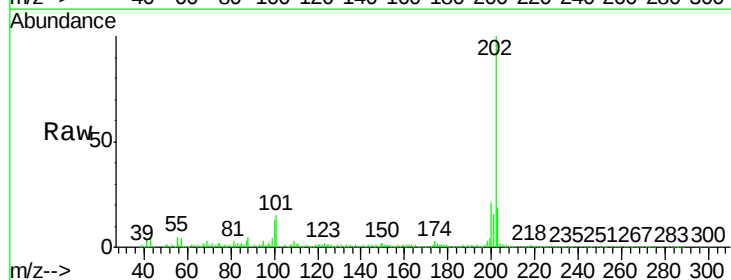
Instrument :
BNA_F
ClientSampleId :

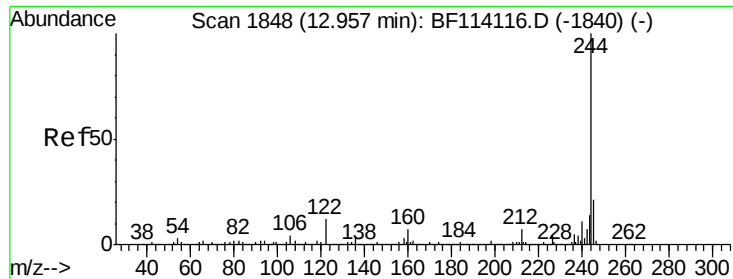
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.3	12.5#
236	27.0	20.8	31.2



#78
Pyrene
Concen: 5.654 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	19.0	14.5	21.7

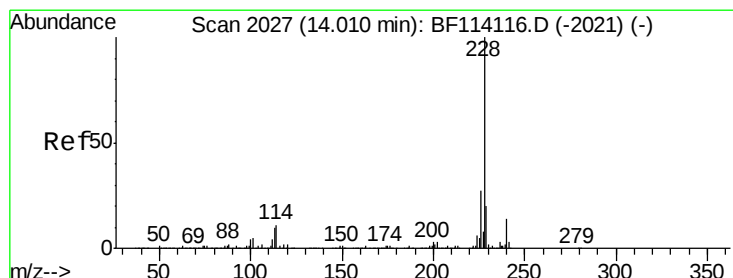
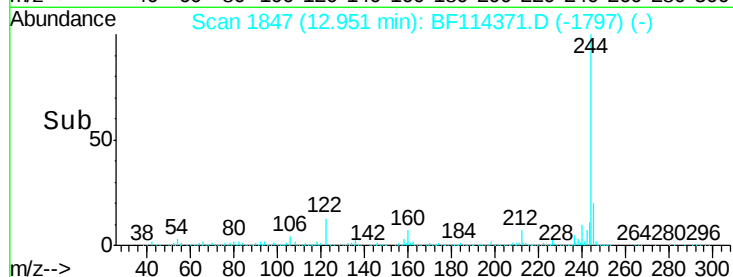
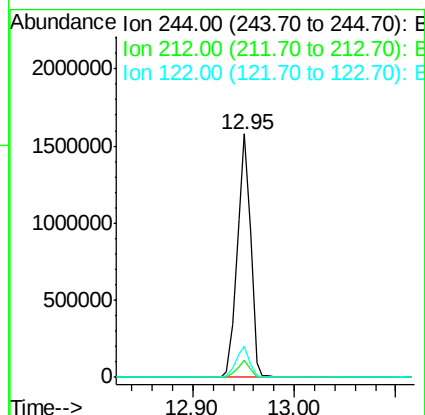
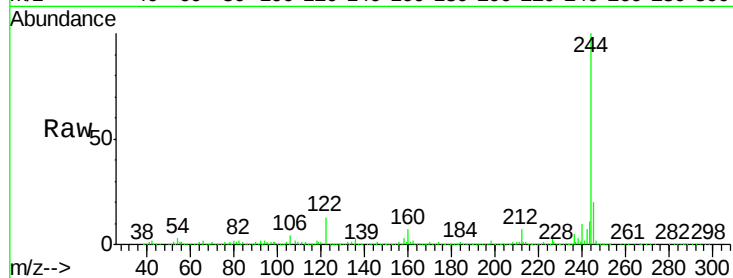




#79
 Terphenyl-d14
 Concen: 59.786 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

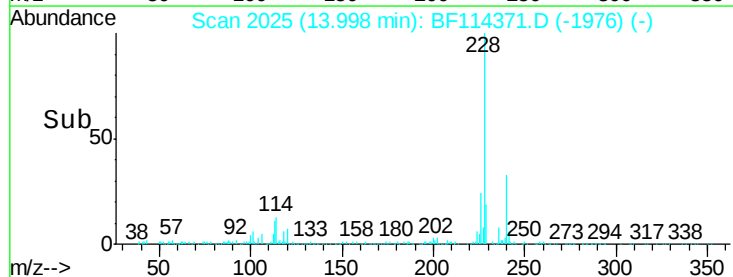
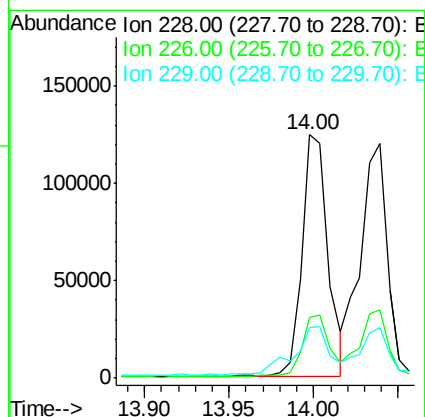
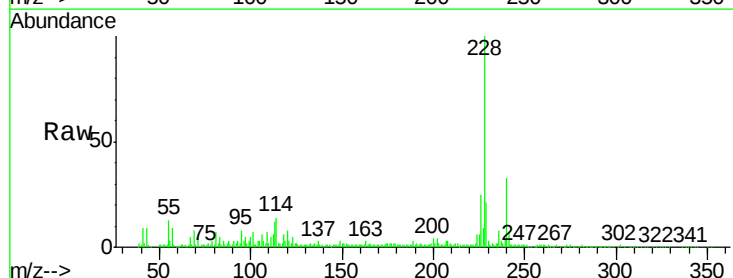
Instrument :
 BNA_F
 ClientSampleId :

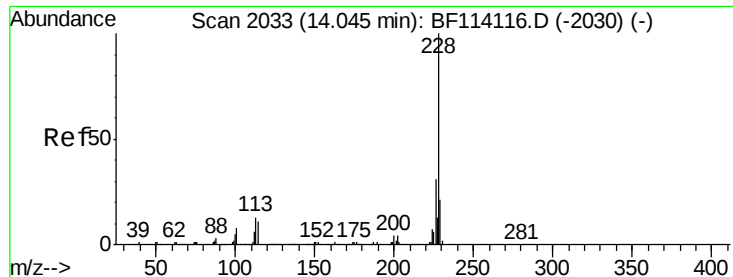
Tot Ion:244 Resp: 1441172
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 12.7 9.4 14.2



#81
 Benzo(a)anthracene
 Concen: 4.148 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

Tgt Ion:228 Resp: 133327
 Ion Ratio Lower Upper
 228 100
 226 25.0 22.2 33.2
 229 20.9 16.4 24.6

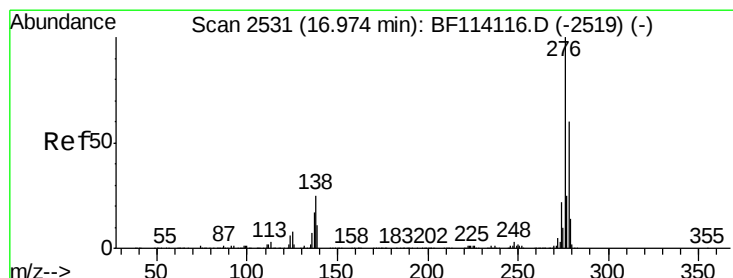
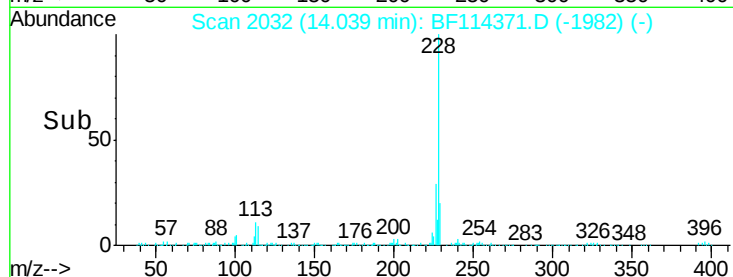
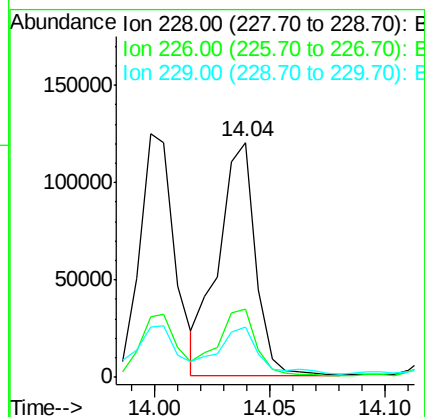
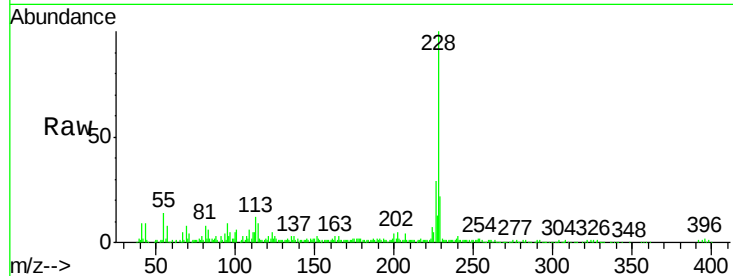




#83
Chrysene
Concen: 4.277 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

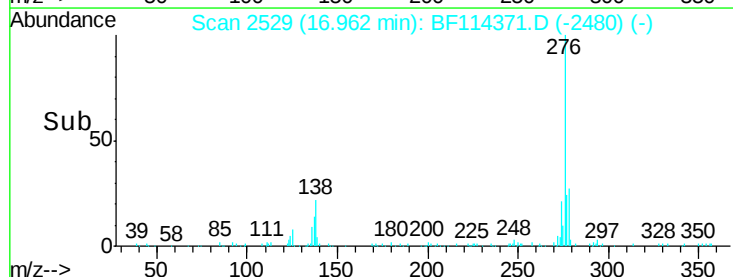
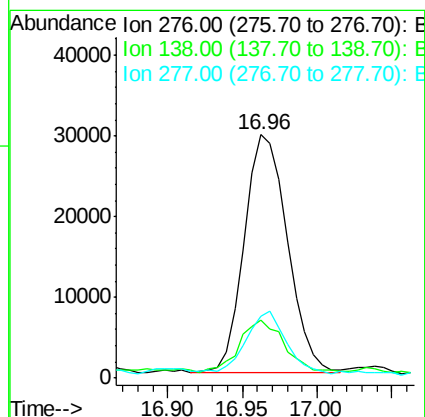
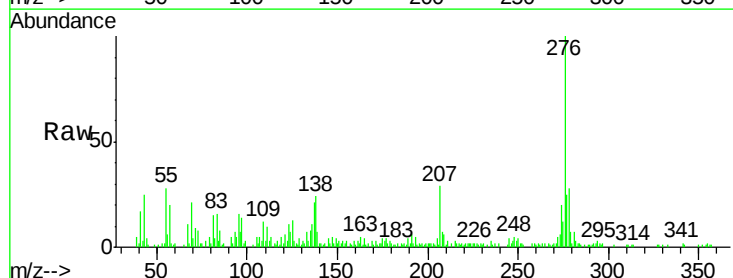
Instrument :
BNA_F
ClientSampleId :

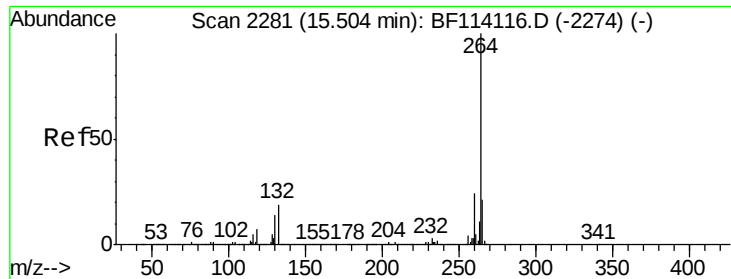
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	21.7	17.0	25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.118 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.2	30.2
277	24.7	20.0	30.0

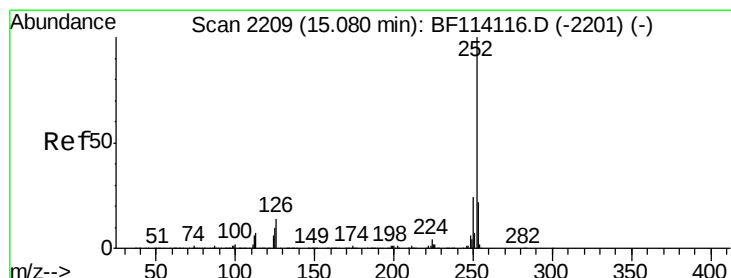
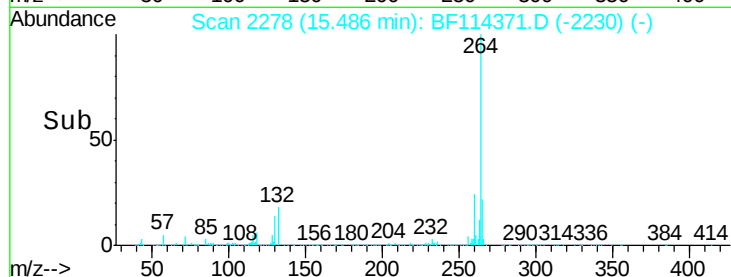
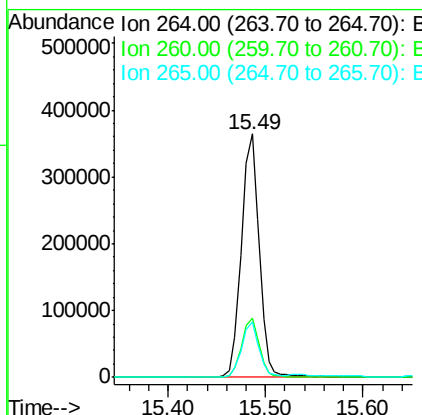
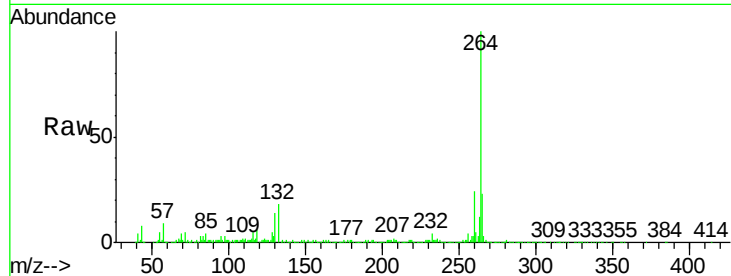




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

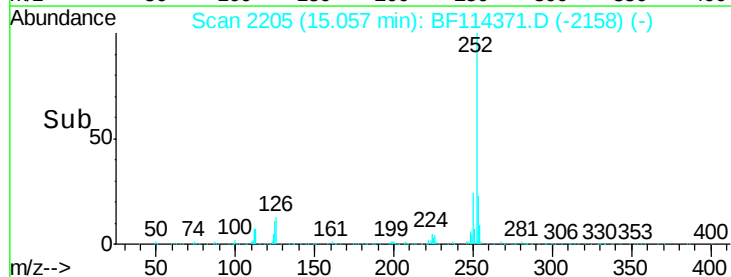
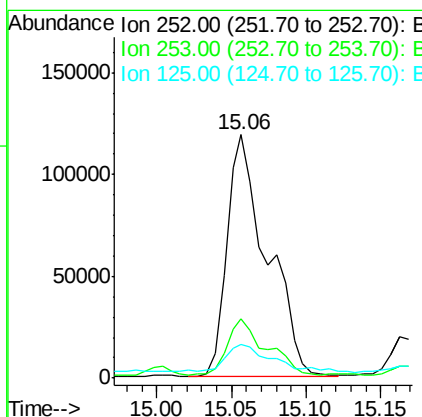
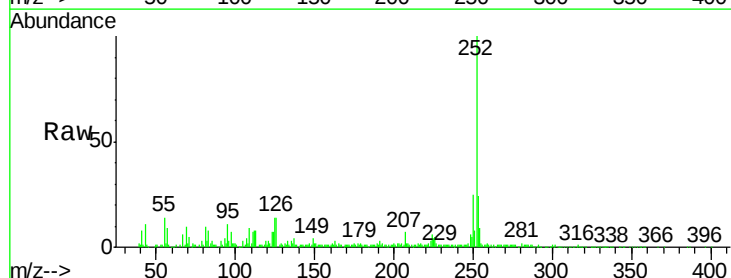
Instrument :
BNA_F
ClientSampleId :

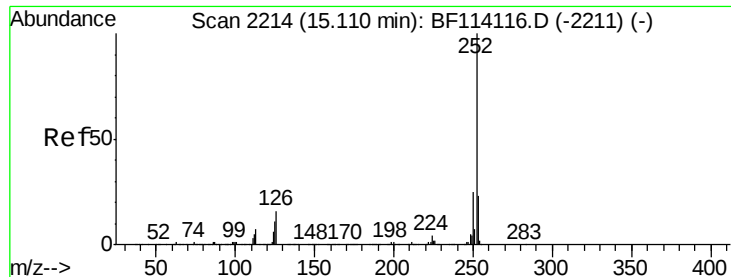
Tot Ion:264 Resp: 466704
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 22.6 16.9 25.3



#88
Benzo(b)fluoranthene
Concen: 7.444 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion:252 Resp: 222583
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 13.8 8.3 12.5#

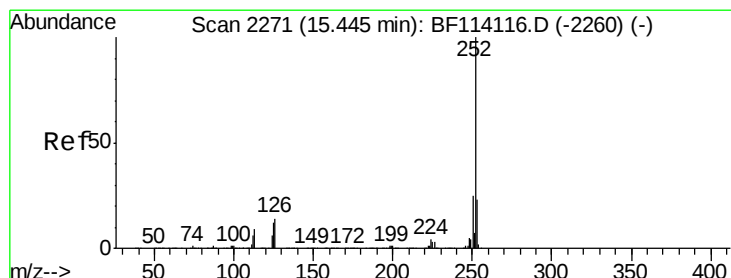
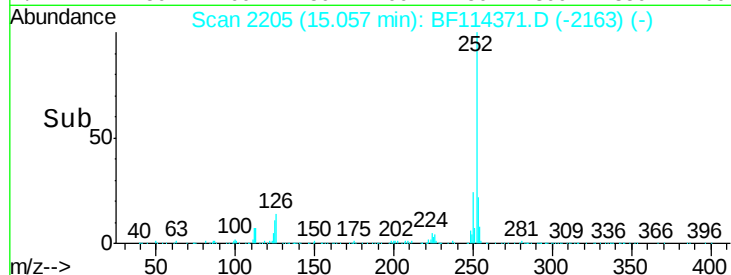
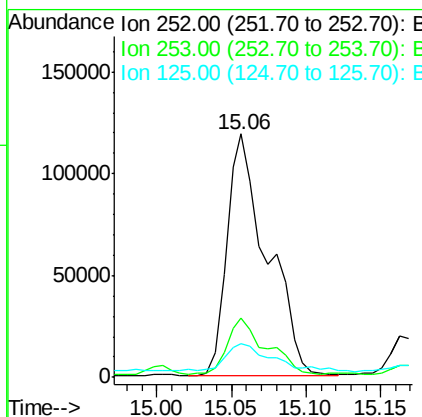
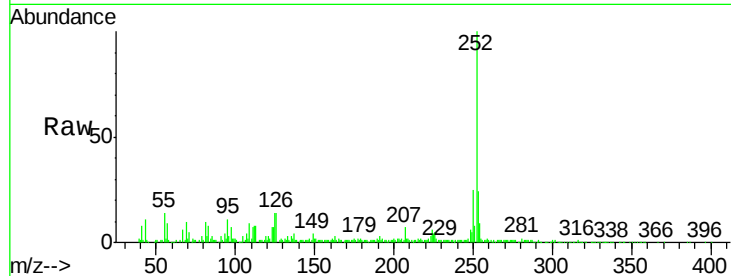




#89
Benzo(k)fluoranthene
Concen: 8.104 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.05 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

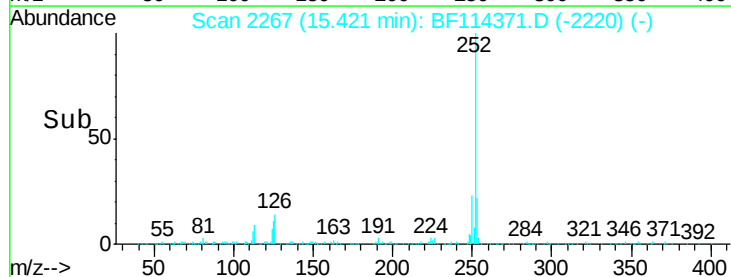
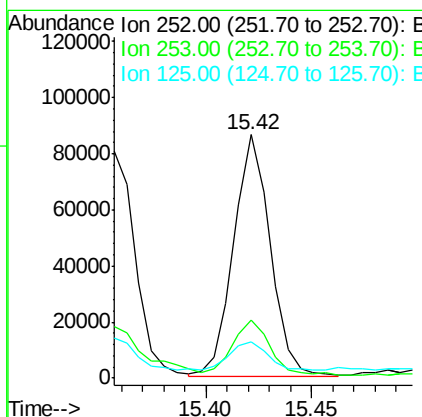
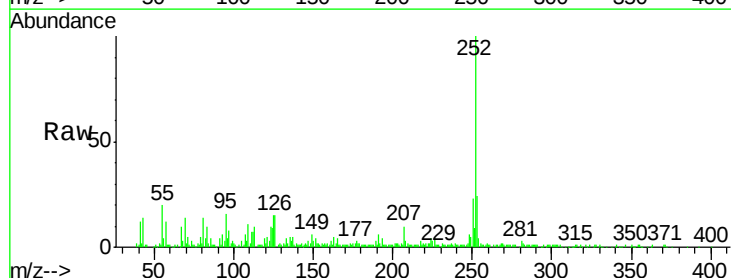
Instrument :
BNA_F
ClientSampleId :

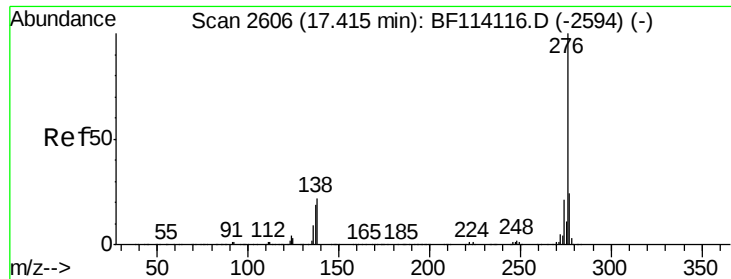
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	13.8	8.6	13.0



#90
Benzo(a)pyrene
Concen: 3.935 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114371.D
Acq: 18 May 2019 1:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.8	9.5	14.3

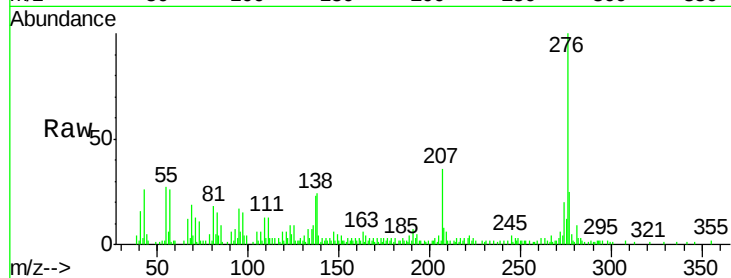




#92
 Benzo(a,h,i)perylene
 Concen: 2.590 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: BF114371.D
 Acq: 18 May 2019 1:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.4
138	24.5	17.8	26.6



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

