

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117074.D
 Acq On : 16 Sep 2019 21:32
 Operator : HP/JU
 Sample : K4897-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

Quant Time: Sep 17 07:22:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	55065	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	200282	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	89901	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	123655	20.00	ng	0.00
76) Chrysene-d12	14.05	240	44034	20.00	ng	0.08
87) Perylene-d12	15.52	264	56188	20.00	ng	0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	347217	98.45	ng	0.00
7) Phenol-d6	6.46	99	496199	108.86	ng	0.00
23) Nitrobenzene-d5	7.39	82	302346	79.32	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	77376	102.98	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	501865	87.29	ng	0.00
79) Terphenyl-d14	12.95	244	286131	121.46	ng	0.04

Target Compounds				Qvalue		
10) Phenol	6.47	94	25180	5.011	ng	96
37) 2-Methylnaphthalene	8.82	142	57124	8.807	ng	97
38) 1-Methylnaphthalene	8.92	142	32057	5.277	ng	98
50) Dimethylphthalate	9.57	163	37486	5.889	ng	# 99
66) n-Nitrosodiphenylamine	10.50	169	10386	2.432	ng	95
71) Phenanthrene	11.36	178	15229	2.168	ng	# 85
75) Fluoranthene	12.57	202	33071	4.583	ng	70
78) Pyrene	12.80	202	36555	9.894	ng	# 77
81) Benzo(a)anthracene	14.04	228	7004	2.381	ng	# 23
83) Chrysene	14.07	228	9294	3.239	ng	# 46
84) Bis(2-ethylhexyl)phthalate	14.01	149	99999	44.424	ng	# 77
85) Di-n-octyl phthalate	14.66	149	81055	22.878	ng	# 62
86) Indeno(1,2,3-cd)pyrene	16.97	276	5524	2.639	ng	# 90
92) Benzo(g,h,i)perylene	17.40	276	6135	2.588	ng	# 1

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

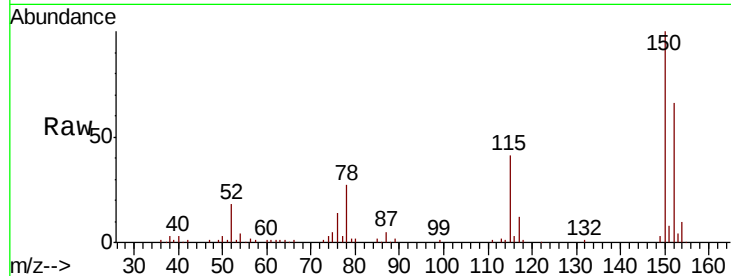


#1

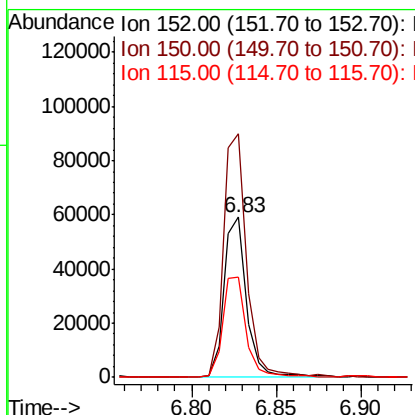
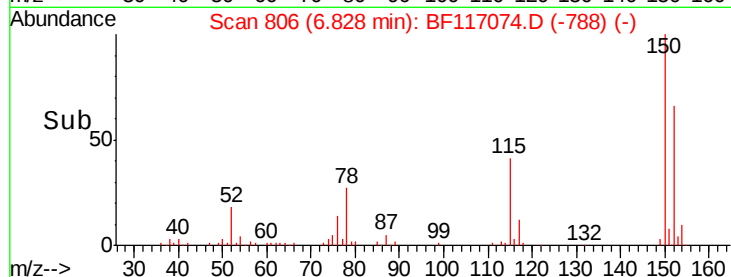
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF117074.D
 Acq: 16 Sep 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	127.5	191.3
115	62.2	55.0	82.4



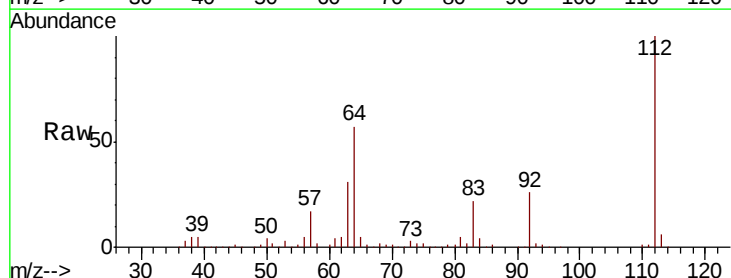
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



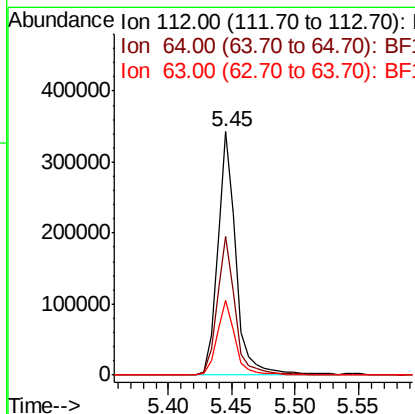
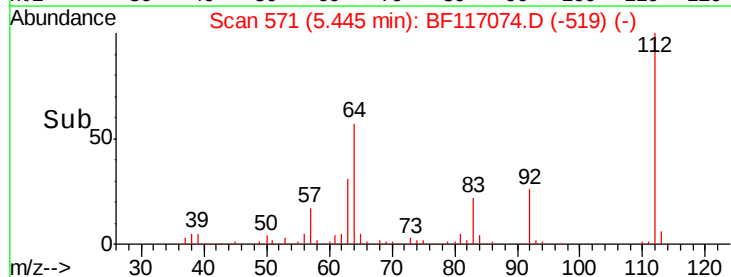
#5

2-Fluorophenol
 Concen: 98.446 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF117074.D
 Acq: 16 Sep 2019 21:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.7	68.5
63	30.7	24.9	37.3



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 108.860 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

Instrument :

BNA_F

ClientSampleId :

RBR-200052

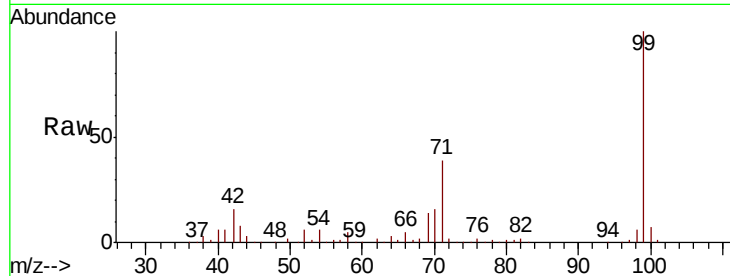
Tot Ion: 99 Resp: 496199

Ion Ratio Lower Upper

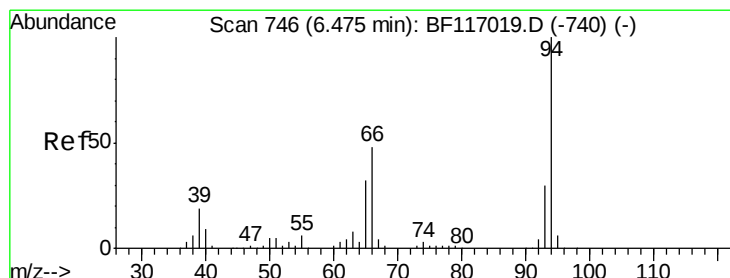
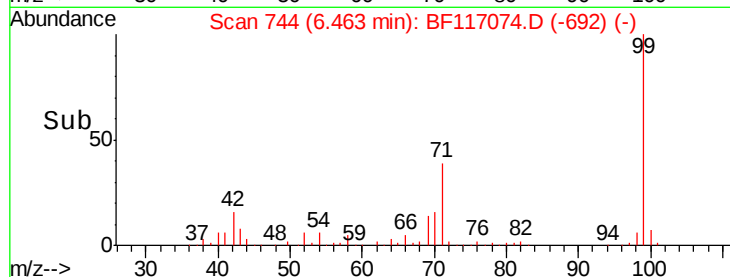
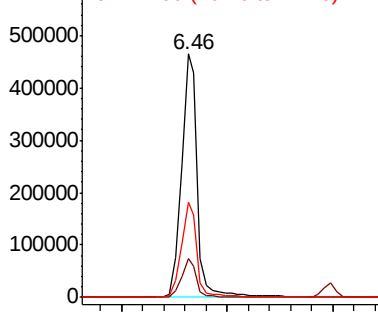
99 100

42 15.8 12.2 18.2

71 39.3 29.8 44.8



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



#10

Phenol

Concen: 5.011 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

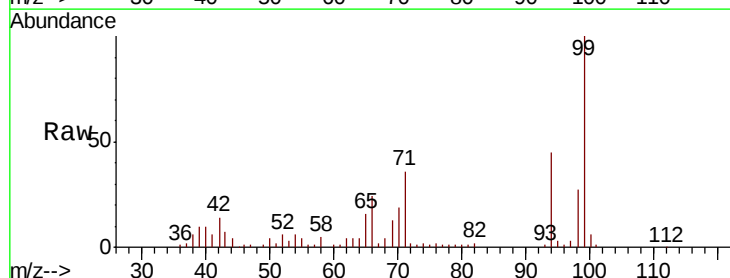
Tgt Ion: 94 Resp: 25180

Ion Ratio Lower Upper

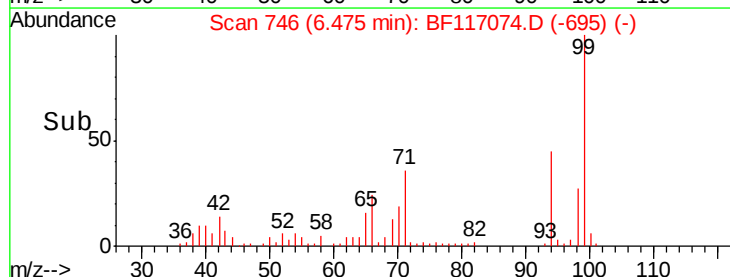
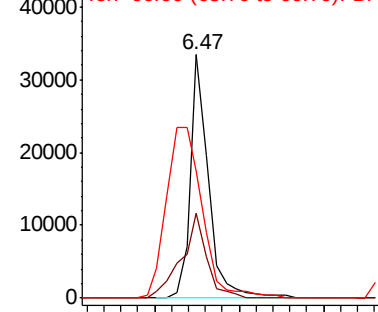
94 100

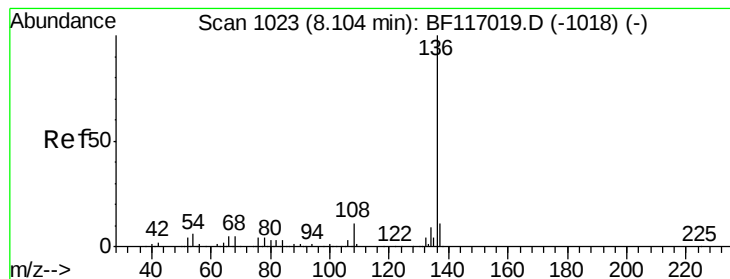
65 34.6 12.5 52.5

66 52.1 28.9 68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

Instrument :

BNA_F

ClientSampleId :

RBR-200052

Tot Ion:136 Resp: 200282

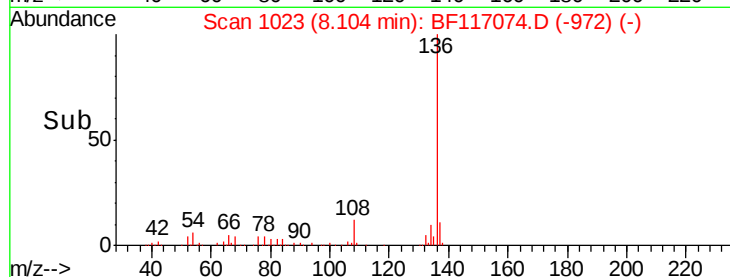
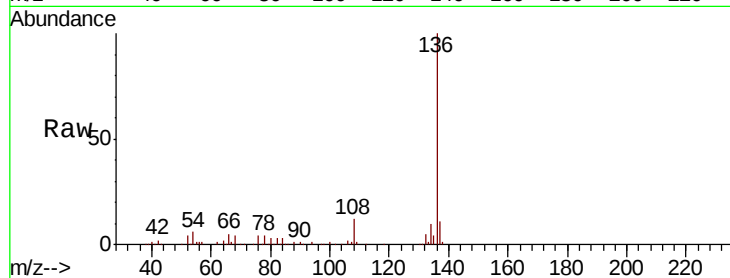
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.2 4.5 6.7

68 4.5 4.0 6.0

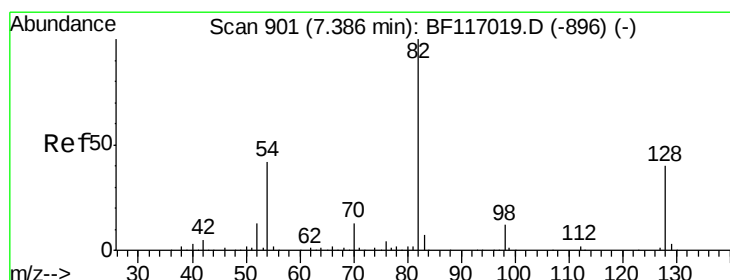
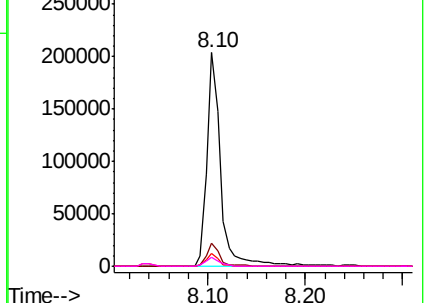


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.318 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

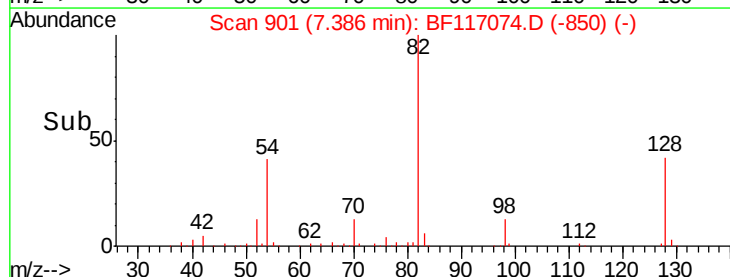
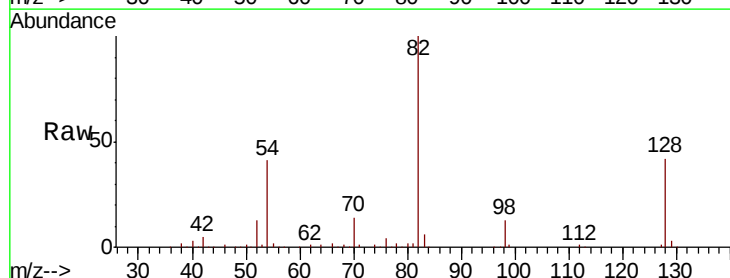
Tgt Ion: 82 Resp: 302346

Ion Ratio Lower Upper

82 100

128 42.2 32.3 48.5

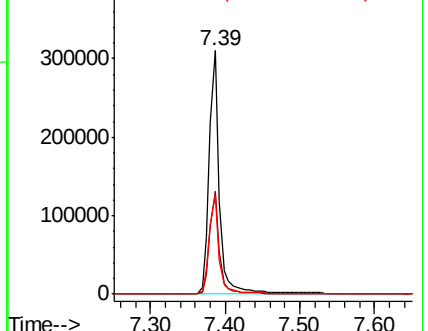
54 40.7 33.3 49.9

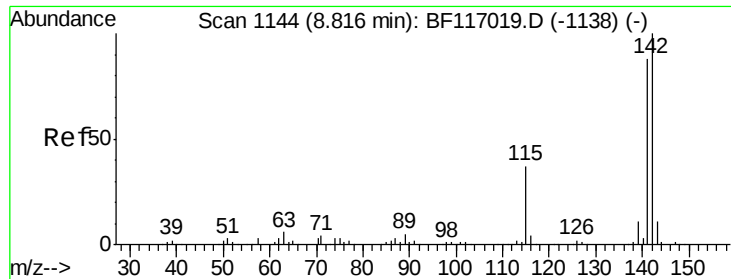


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

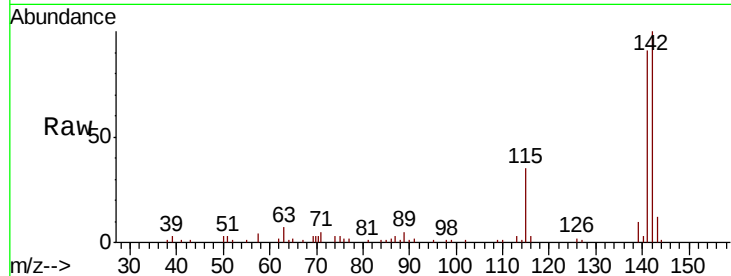




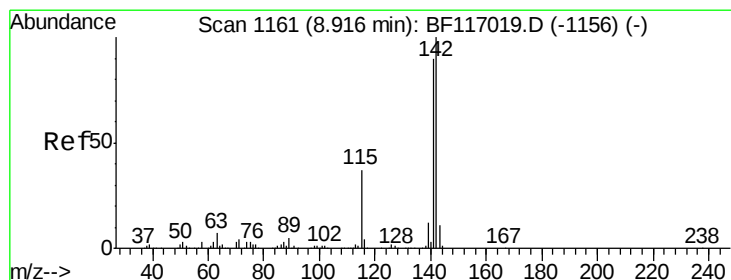
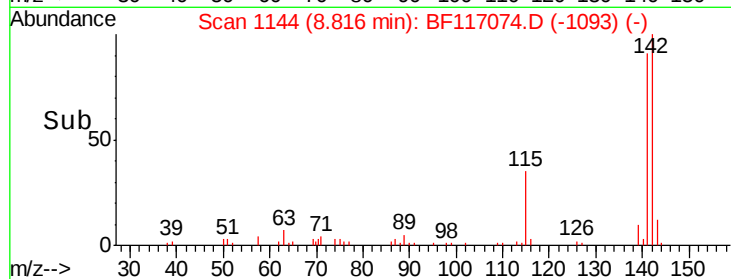
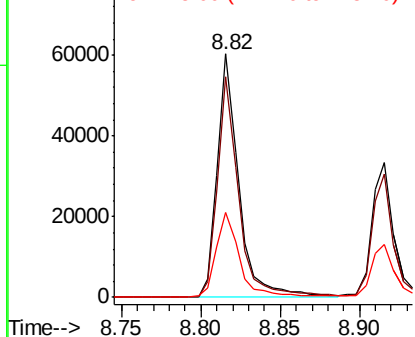
#37
2-Methylnaphthalene
Concen: 8.807 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tot Ion:142 Resp: 57124
Ion Ratio Lower Upper
142 100
141 90.7 70.7 106.1
115 35.0 29.4 44.0

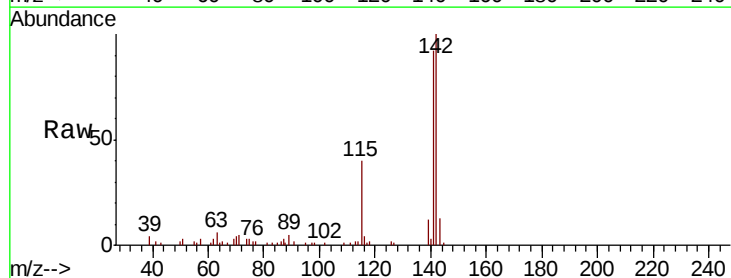


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

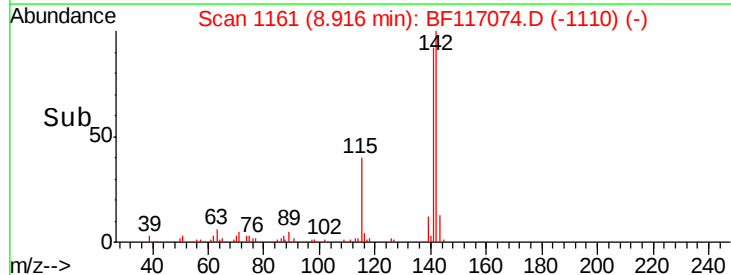
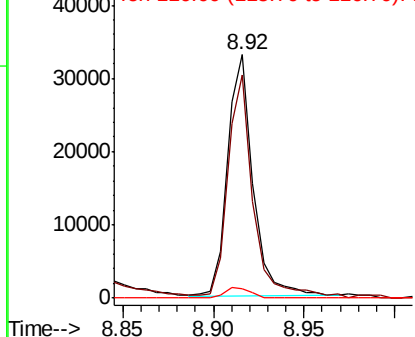


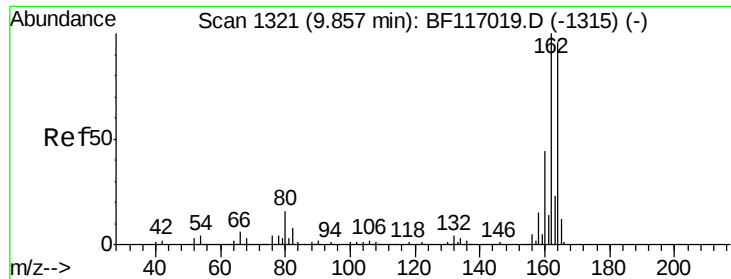
#38
1-Methylnaphthalene
Concen: 5.277 ng
RT: 8.92 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

Tgt Ion:142 Resp: 32057
Ion Ratio Lower Upper
142 100
141 91.5 71.9 107.9
116 4.0 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

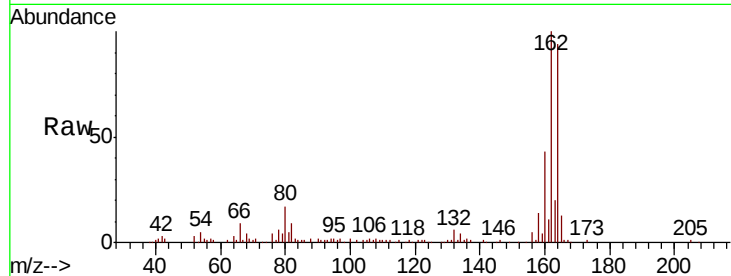




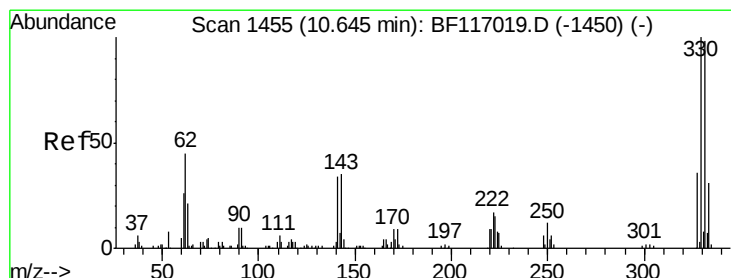
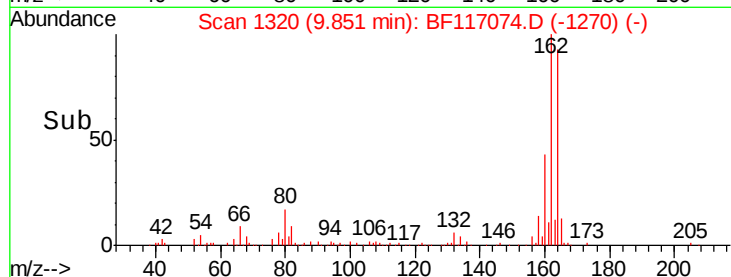
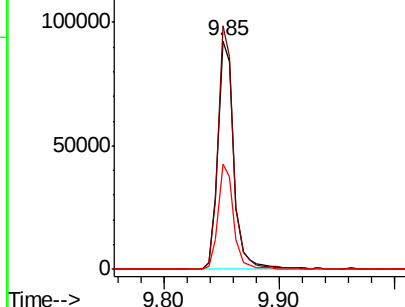
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117074.D
 Acq: 16 Sep 2019 21:32

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

Tot Ion:164 Resp: 89901
 Ion Ratio Lower Upper
 164 100
 162 106.5 83.4 125.2
 160 46.3 36.4 54.6

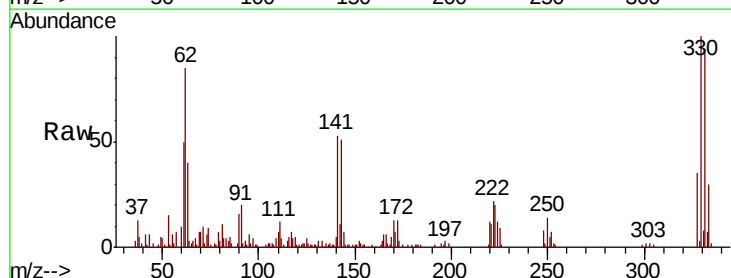


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

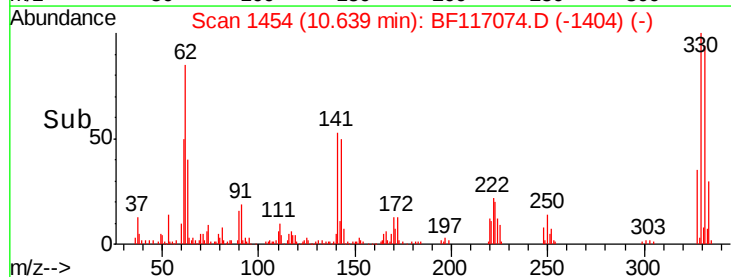
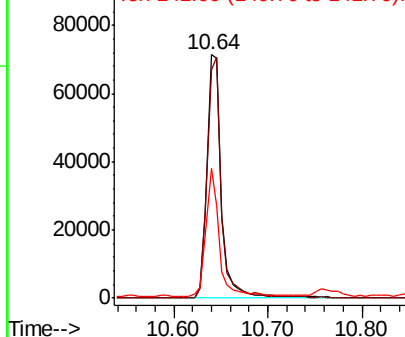


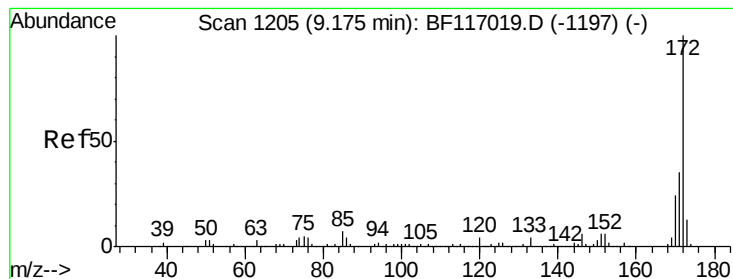
#42
 2,4,6-Tribromophenol
 Concen: 102.980 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117074.D
 Acq: 16 Sep 2019 21:32

Tgt Ion:330 Resp: 77376
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.0 117.0
 141 47.1 35.8 53.6



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: 87.285 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

Instrument :

BNA_F

ClientSampleId :

RBR-200052

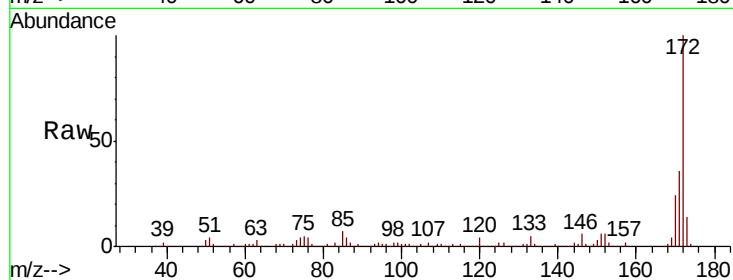
Tot Ion:172 Resp: 501865

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

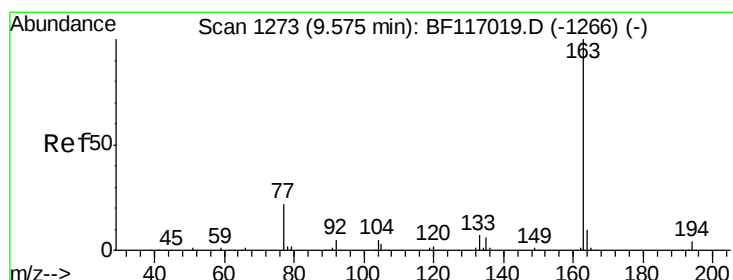
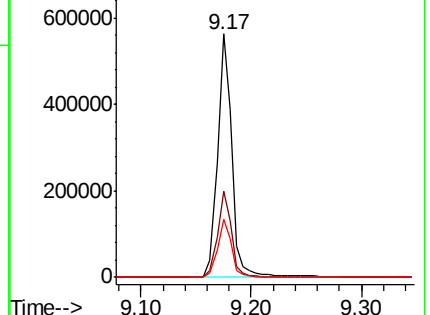
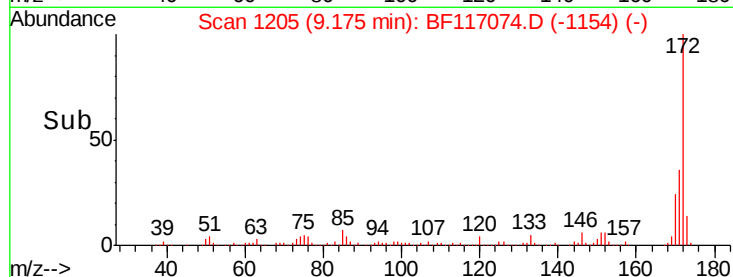
170 23.6 18.9 28.3



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: 5.889 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

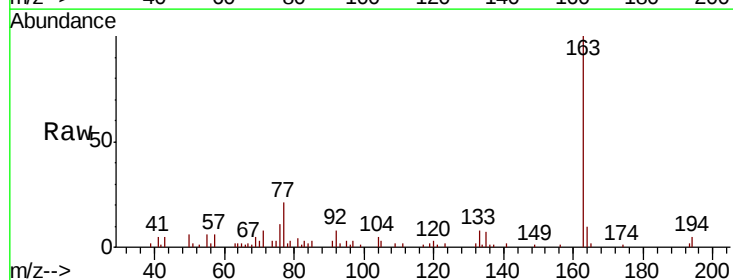
Tgt Ion:163 Resp: 37486

Ion Ratio Lower Upper

163 100

194 5.0 2.9 4.3#

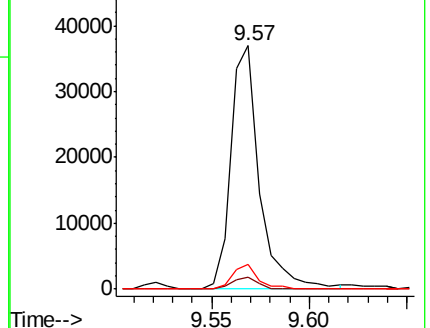
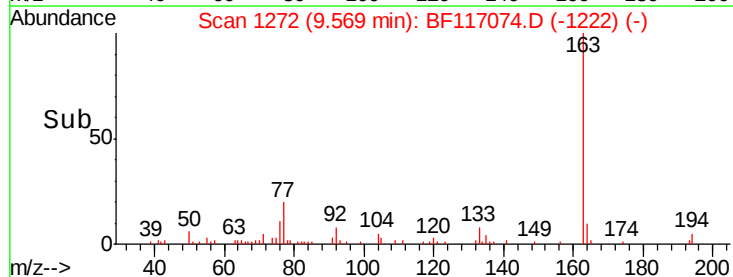
164 10.2 8.2 12.4

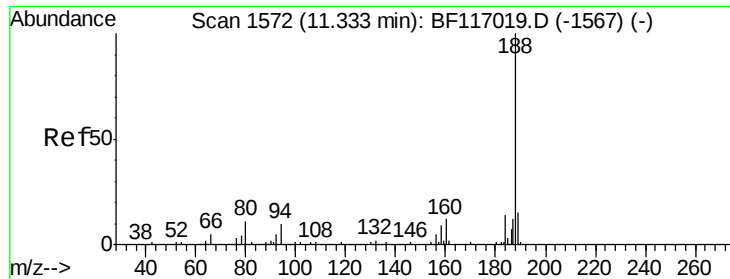


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

Instrument :

BNA_F

ClientSampleId :

RBR-200052

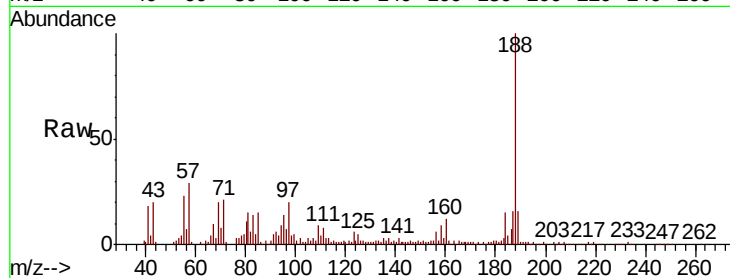
Tot Ion:188 Resp: 123655

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

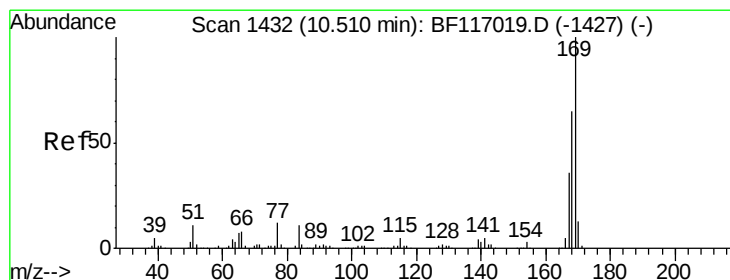
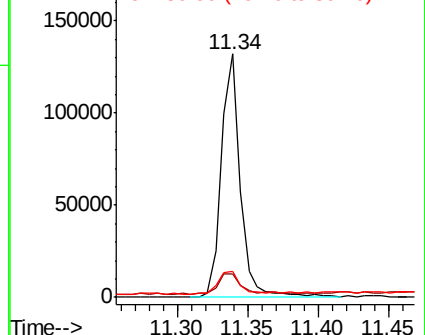
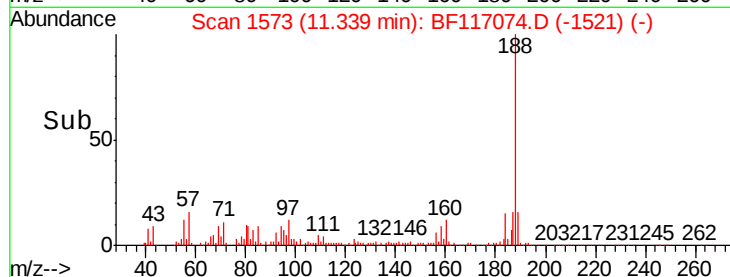
80 10.9 9.0 13.6



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



#66

n-Nitrosodiphenylamine

Concen: 2.432 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

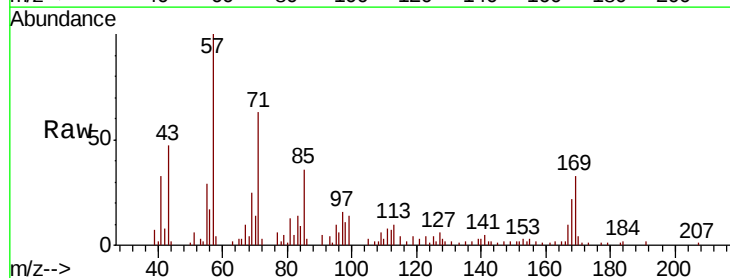
Tgt Ion:169 Resp: 10386

Ion Ratio Lower Upper

169 100

168 66.9 52.2 78.2

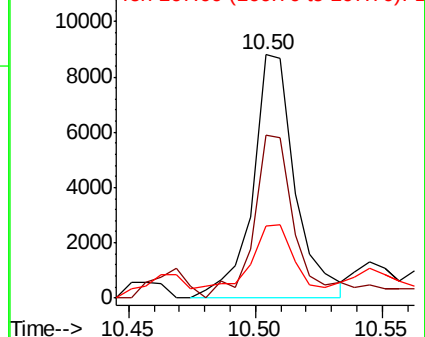
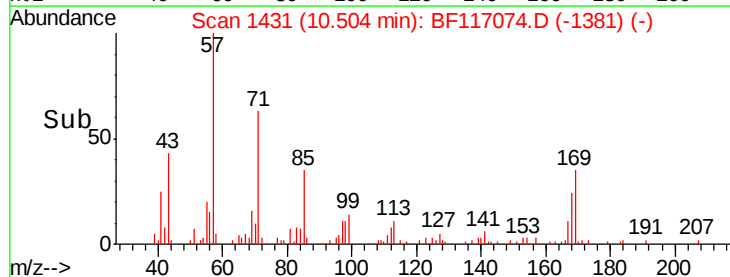
167 29.7 28.8 43.2

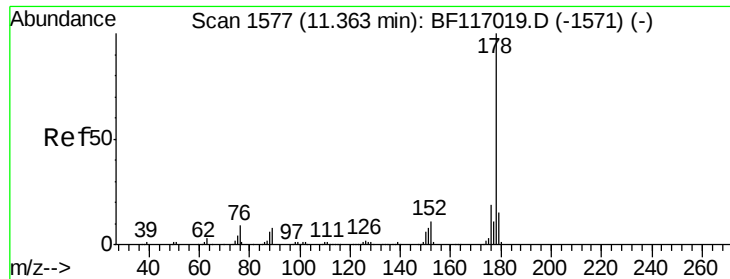


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

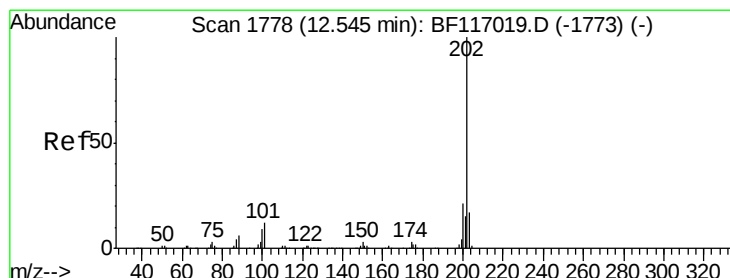
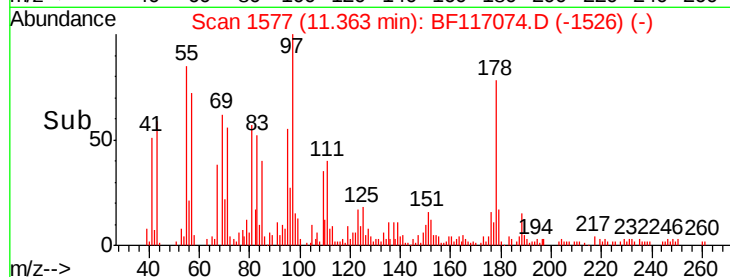
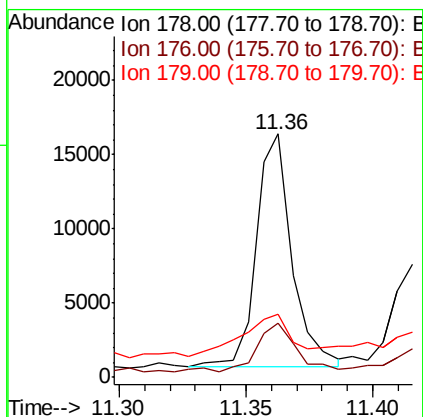
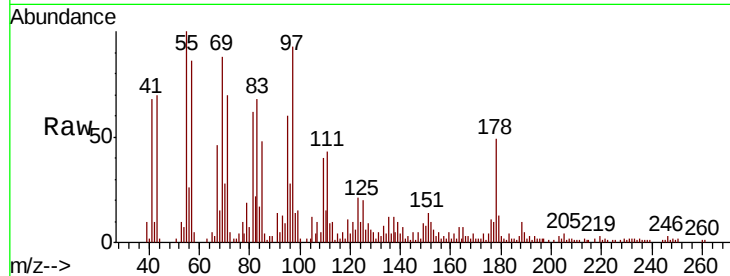




#71
Phenanthrene
Concen: 2.168 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

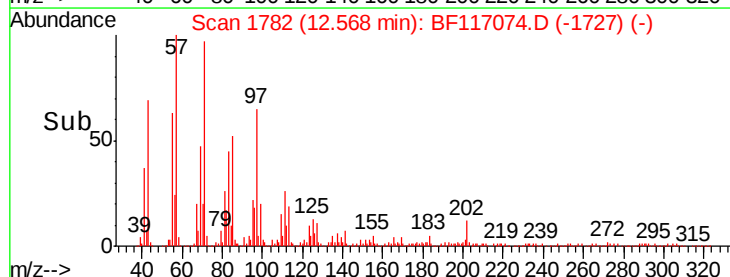
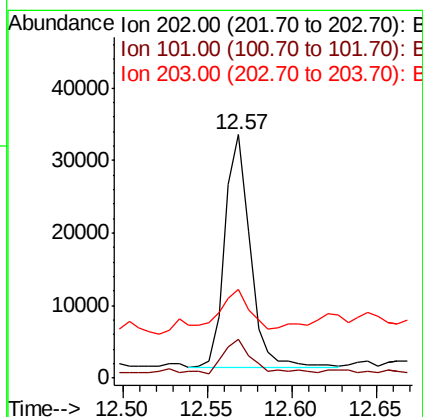
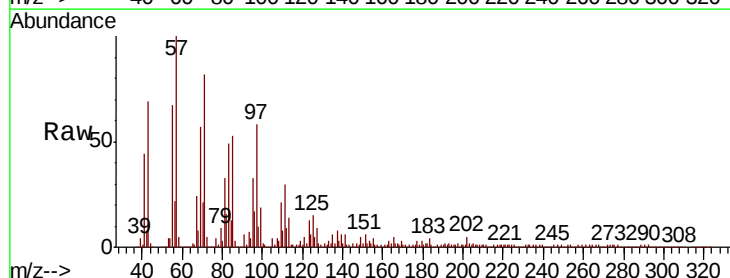
Instrument :
BNA_F
ClientSampleId :
RBR-200052

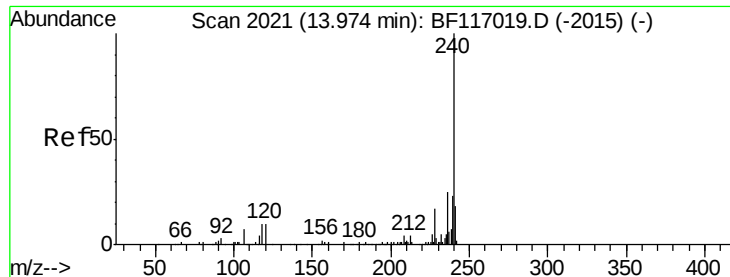
Tot Ion:178 Resp: 15229
Ion Ratio Lower Upper
178 100
176 22.5 15.4 23.2
179 25.7 12.4 18.6#



#75
Fluoranthene
Concen: 4.583 ng
RT: 12.57 min Scan# 1782
Delta R.T. 0.02 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

Tgt Ion:202 Resp: 33071
Ion Ratio Lower Upper
202 100
101 15.9 0.0 32.3
203 36.4 0.0 37.1

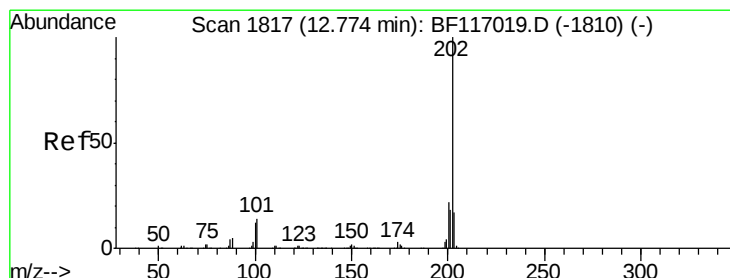
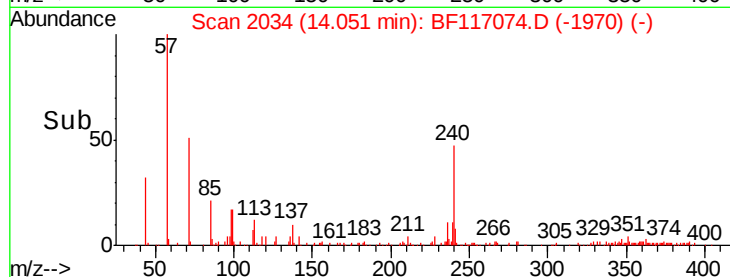
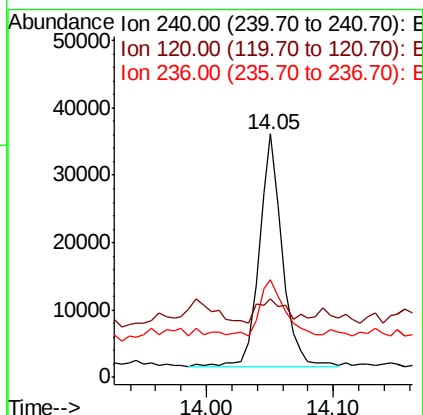
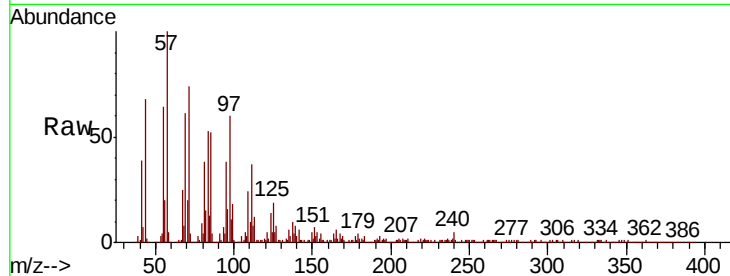




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.08 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

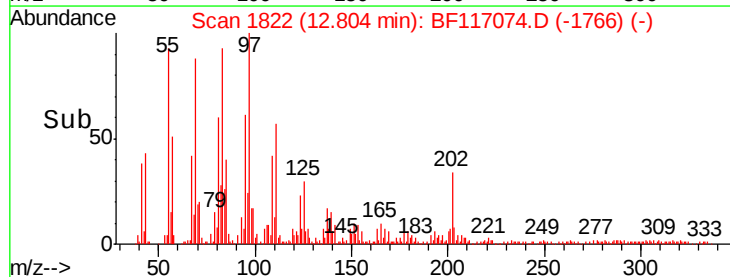
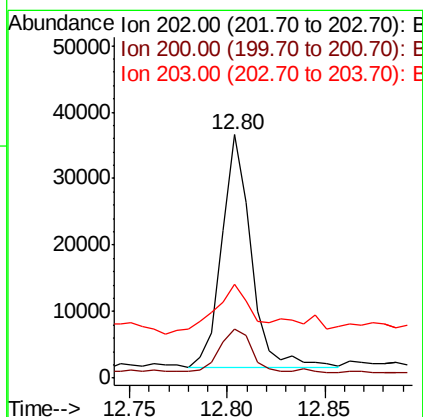
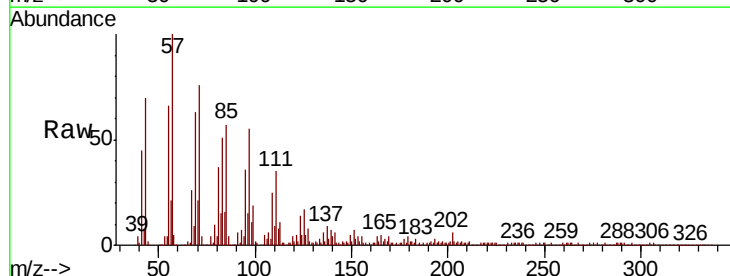
Instrument :
BNA_F
ClientSampleId :
RBR-200052

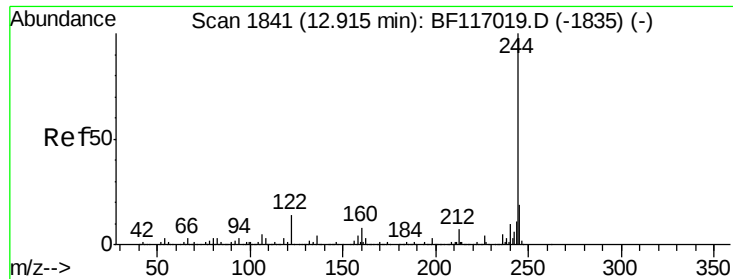
Tot Ion:240 Resp: 44034
Ion Ratio Lower Upper
240 100
120 32.5 8.3 12.5#
236 40.1 20.3 30.5#



#78
Pyrene
Concen: 9.894 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.03 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

Tgt Ion:202 Resp: 36555
Ion Ratio Lower Upper
202 100
200 20.1 17.2 25.8
203 38.7 14.0 21.0#

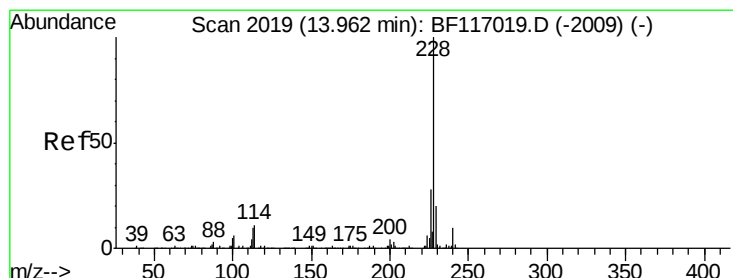
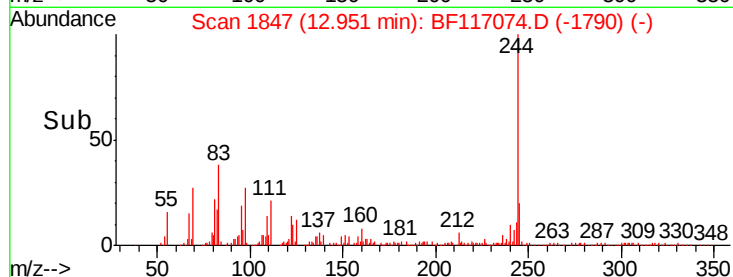
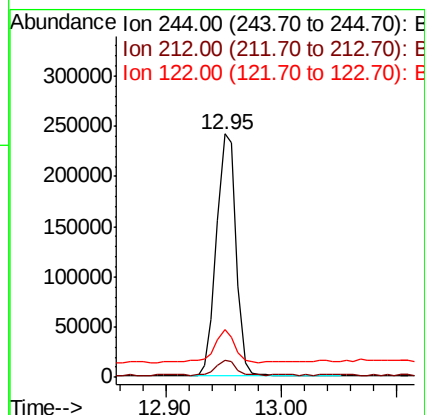
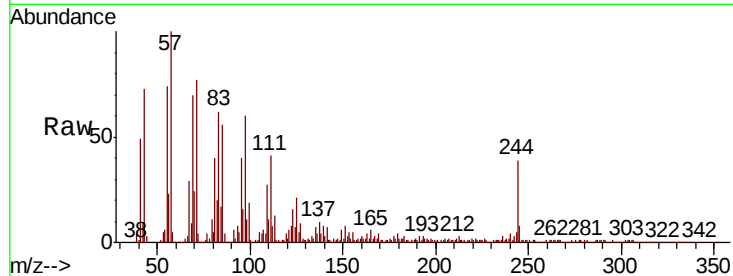




#79
 Terphenyl-d14
 Concen: 121.461 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.04 min
 Lab File: BF117074.D
 Acq: 16 Sep 2019 21:32

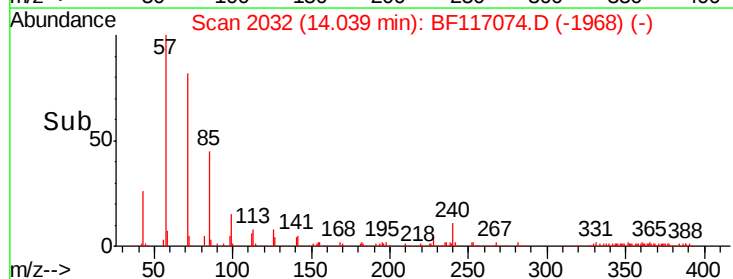
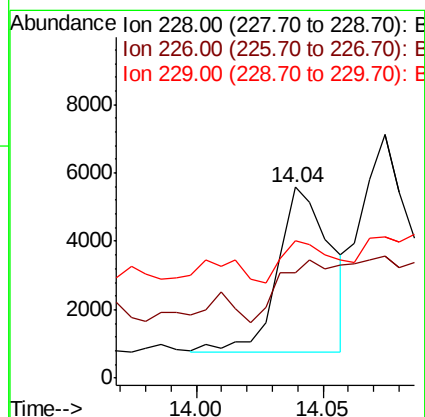
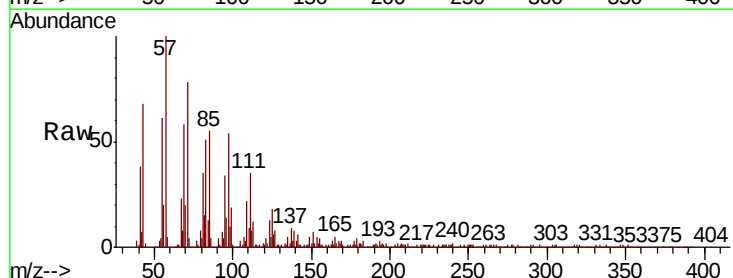
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200052

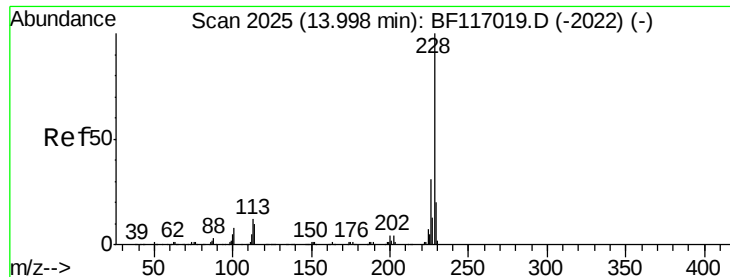
Tot Ion:244 Resp: 286131
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 19.7 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 2.381 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. 0.08 min
 Lab File: BF117074.D
 Acq: 16 Sep 2019 21:32

Tgt Ion:228 Resp: 7004
 Ion Ratio Lower Upper
 228 100
 226 54.9 22.3 33.5#
 229 71.8 15.9 23.9#





#83

Chrysene

Concen: 3.239 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.08 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

Instrument :

BNA_F

ClientSampleId :

RBR-200052

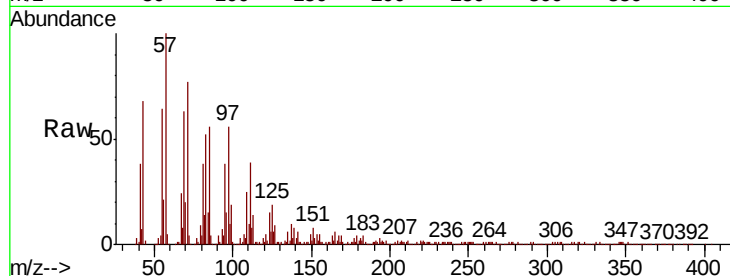
Tot Ion:228 Resp: 9294

Ion Ratio Lower Upper

228 100

226 50.3 24.8 37.2#

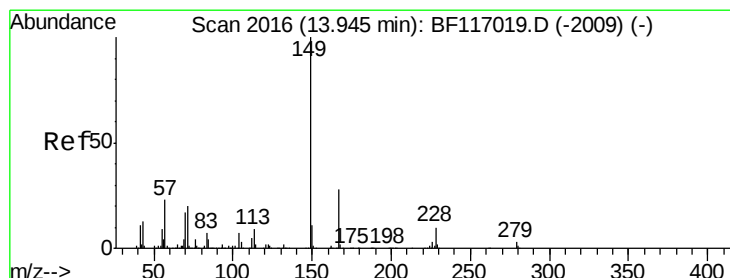
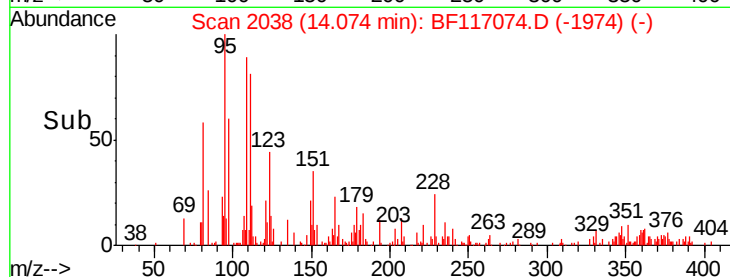
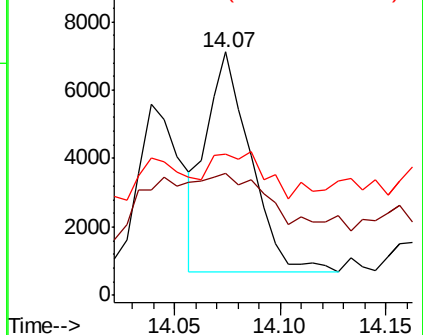
229 58.1 15.8 23.8#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.424 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.06 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

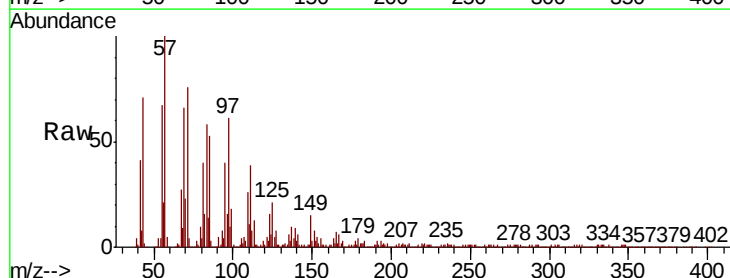
Tgt Ion:149 Resp: 99999

Ion Ratio Lower Upper

149 100

167 41.0 22.2 33.2#

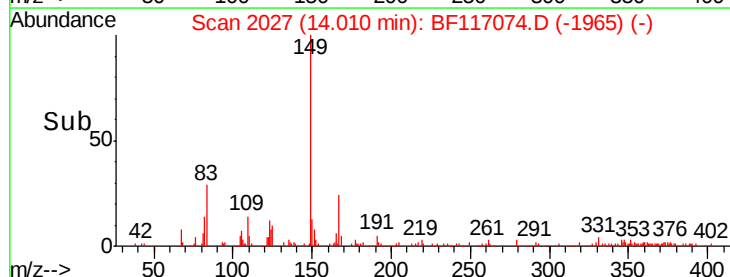
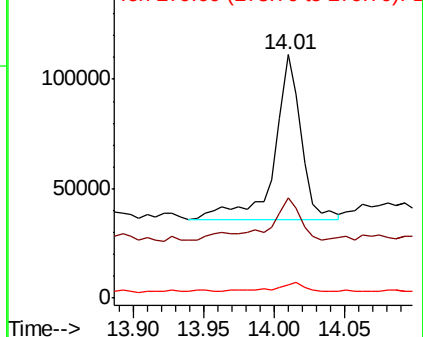
279 5.5 2.8 4.2#

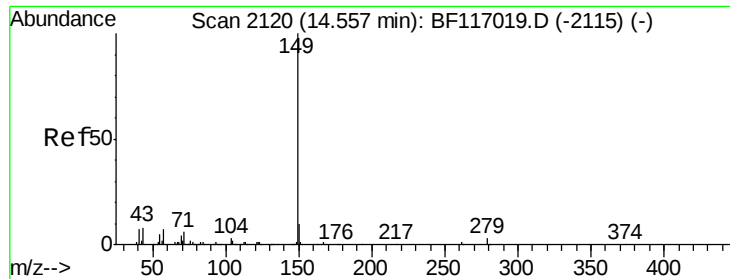


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 22.878 ng

RT: 14.66 min Scan# 2138

Delta R.T. 0.11 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

Instrument :

BNA_F

ClientSampleId :

RBR-200052

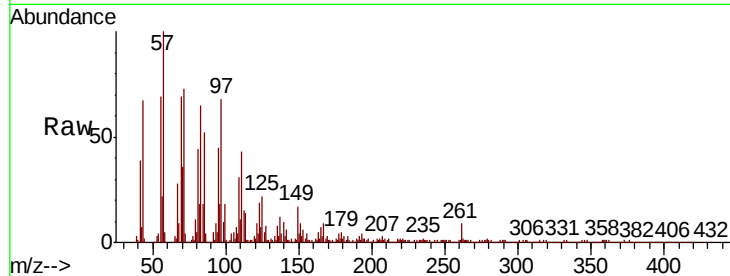
Tot Ion:149 Resp: 81055

Ion Ratio Lower Upper

149 100

167 47.3 1.2 1.8#

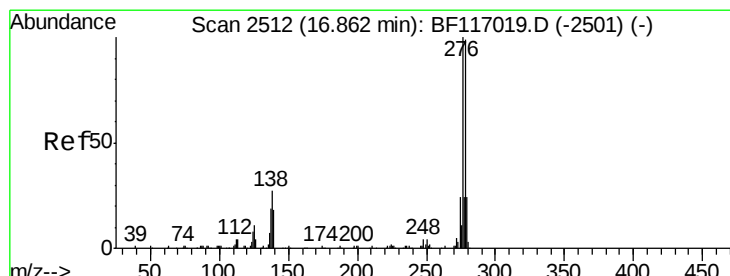
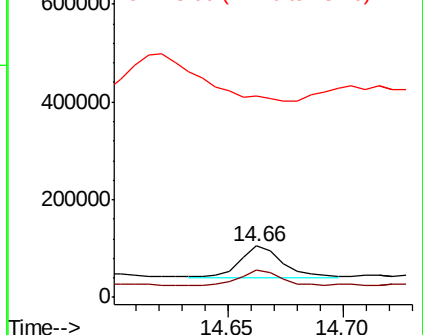
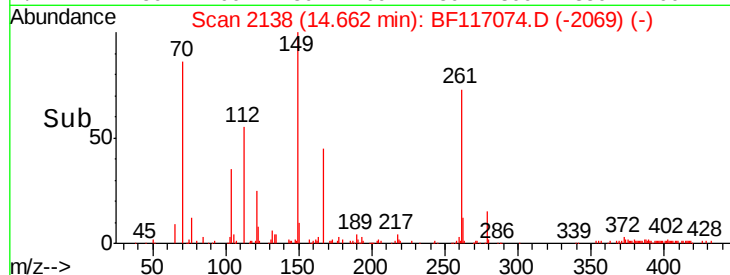
43 0.0 6.2 9.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.639 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.11 min

Lab File: BF117074.D

Acq: 16 Sep 2019 21:32

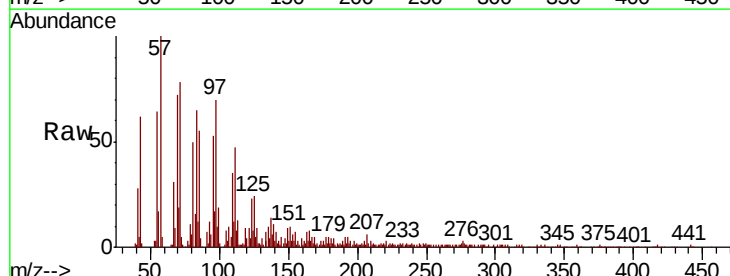
Tgt Ion:276 Resp: 5524

Ion Ratio Lower Upper

276 100

138 28.6 20.7 31.1

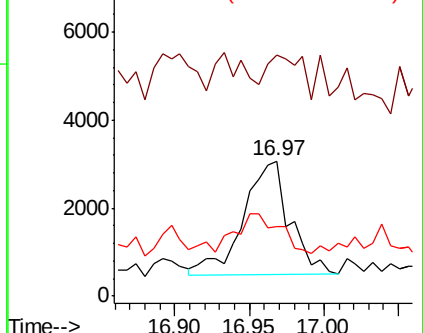
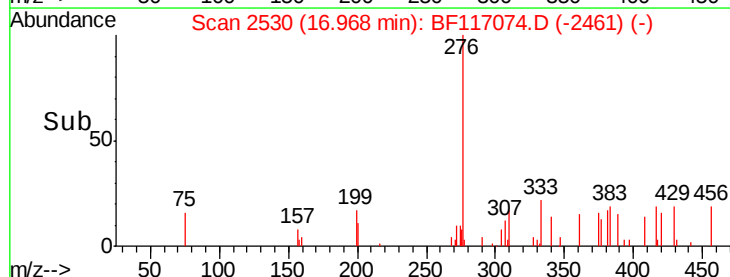
277 32.4 19.8 29.8#

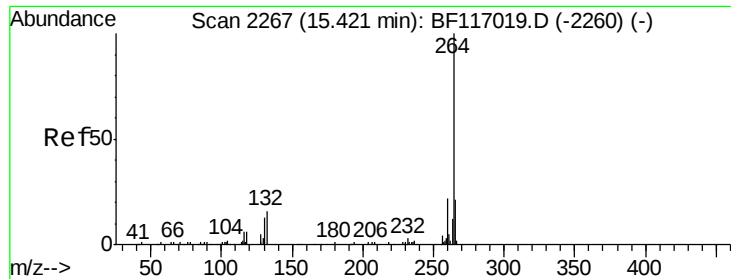


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

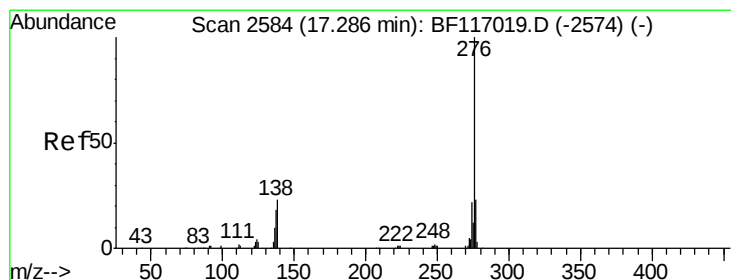
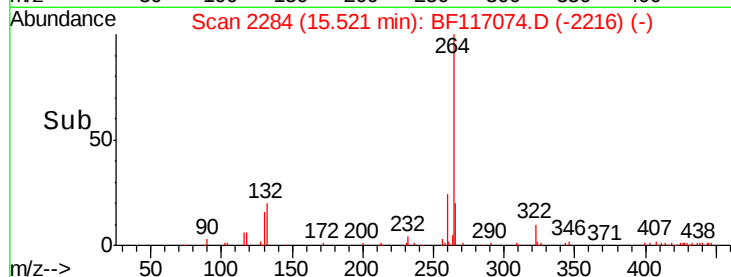
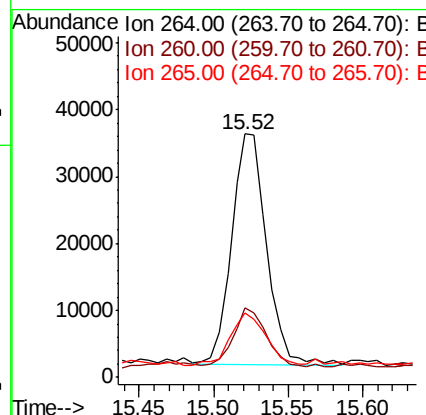
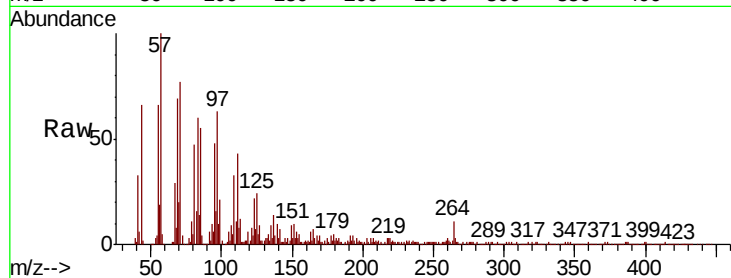




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.10 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

Instrument :
BNA_F
ClientSampleId :
RBR-200052

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.4	17.6	26.4#
265	26.6	16.6	24.8#



#92
Benzo(g,h,i)perylene
Concen: 2.588 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.12 min
Lab File: BF117074.D
Acq: 16 Sep 2019 21:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	52.9	18.6	27.8#
138	144.0	18.0	27.0#

