

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
 Data File : BF116497.D
 Acq On : 24 Aug 2019 00:25
 Operator : HP/JU
 Sample : K4403-16
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-J-(0-2.5)

Quant Time: Aug 24 03:36:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	142246	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	555276	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	270003	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	415102	20.00	ng	0.00
76) Chrysene-d12	14.03	240	234557	20.00	ng	0.00
87) Perylene-d12	15.50	264	234798	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	671067	68.93	ng	0.01
7) Phenol-d6	6.51	99	903631	75.70	ng	0.00
23) Nitrobenzene-d5	7.44	82	551762	54.36	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	156298	67.42	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	769584	45.90	ng	0.00
79) Terphenyl-d14	12.98	244	658768	52.46	ng	0.00

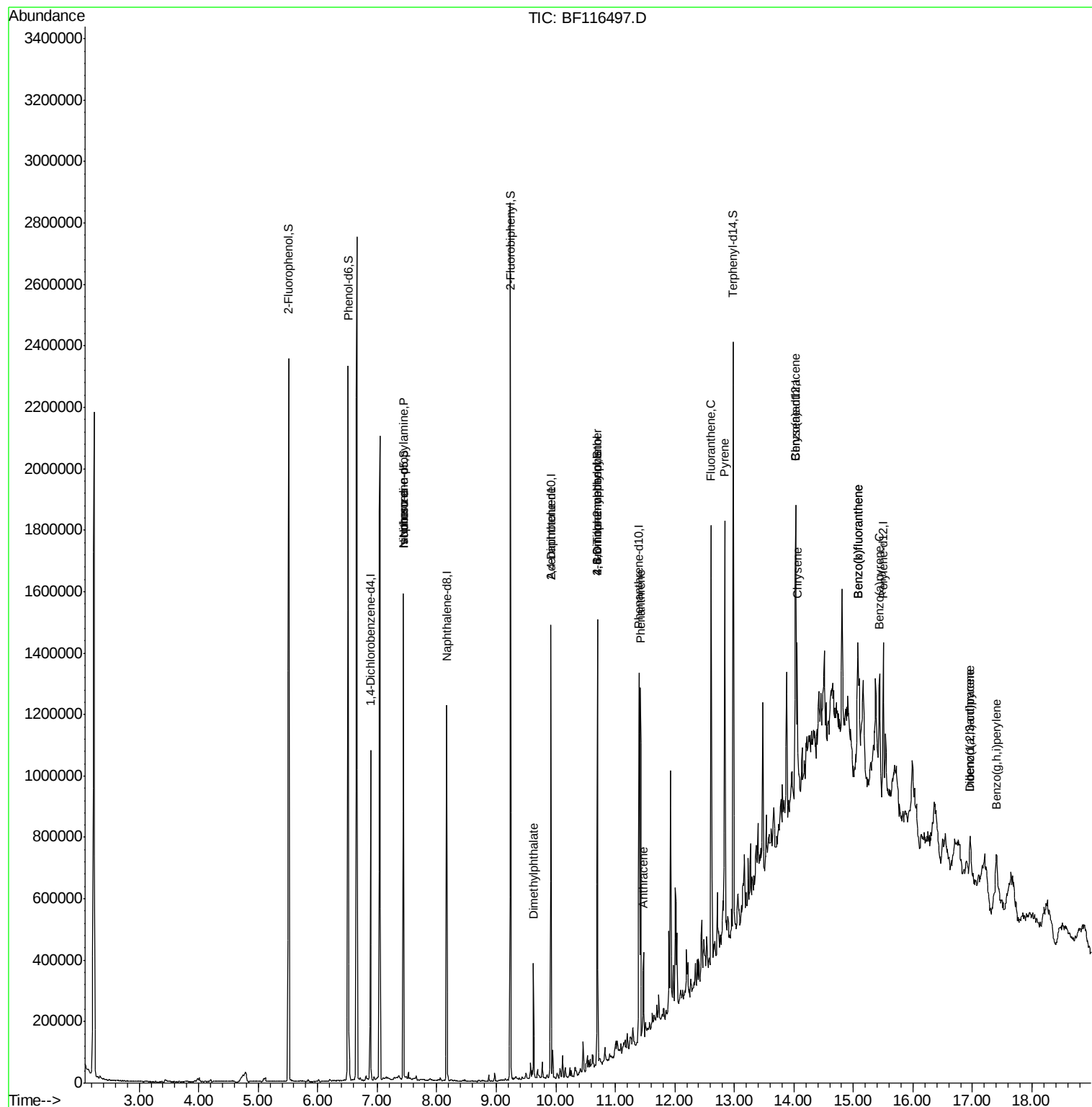
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	75365	9.253	ng	# 79
25) Isophorone	7.44	82	550980	27.547	ng	# 67
50) Dimethylphthalate	9.63	163	126506	6.715	ng	99
57) 2,4-Dinitrotoluene	9.92	165	35711	7.278	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	403	7.207	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	10028	2.304	ng	# 1
71) Phenanthrene	11.42	178	407283	18.011	ng	99
72) Anthracene	11.47	178	92733	4.081	ng	99
75) Fluoranthene	12.61	202	557767	23.858	ng	98
78) Pyrene	12.84	202	543584	28.979	ng	99
81) Benzo(a)anthracene	14.02	228	241283	15.883	ng	98
83) Chrysene	14.06	228	197469	12.825	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	89183	6.762	ng	95
88) Benzo(b)fluoranthene	15.07	252	275982	19.027	ng	# 96
89) Benzo(k)fluoranthene	15.07	252	275982	21.002	ng	# 95
90) Benzo(a)pyrene	15.44	252	147765	11.527	ng	# 95
91) Dibenzo(a,h)anthracene	16.97	278	23575	2.238	ng	# 65
92) Benzo(g,h,i)perylene	17.40	276	83002	8.265	ng	99

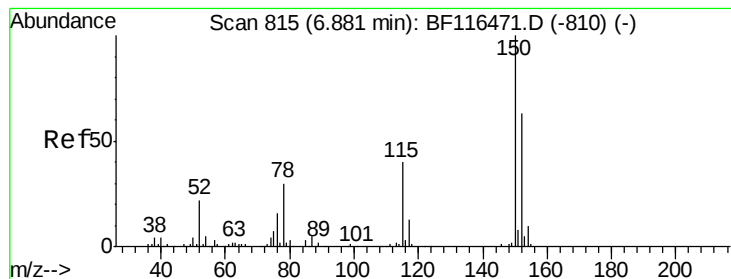
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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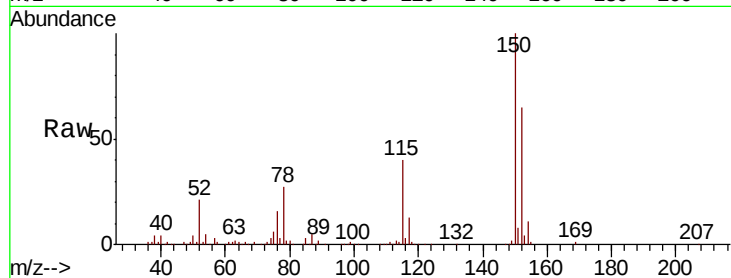


#1

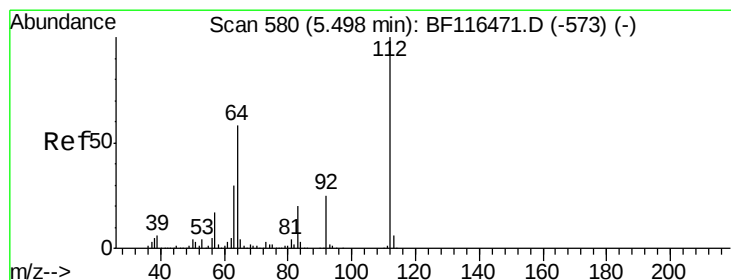
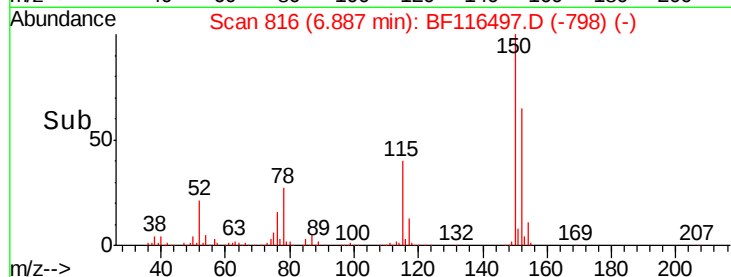
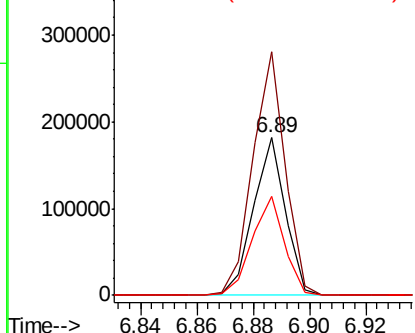
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Instrument :
 BNA_F
 ClientSampleId :
 T1-J-(0-2.5)

Tgt Ion:152 Resp: 142246
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.7 190.1
 115 62.5 50.9 76.3



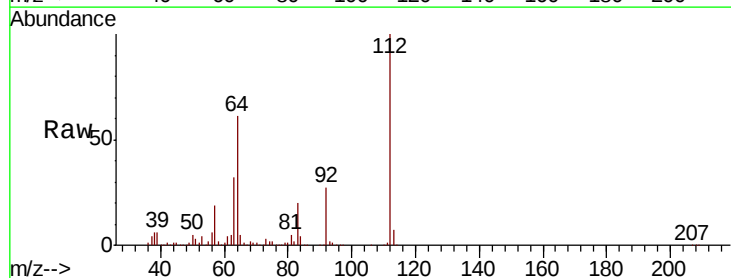
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



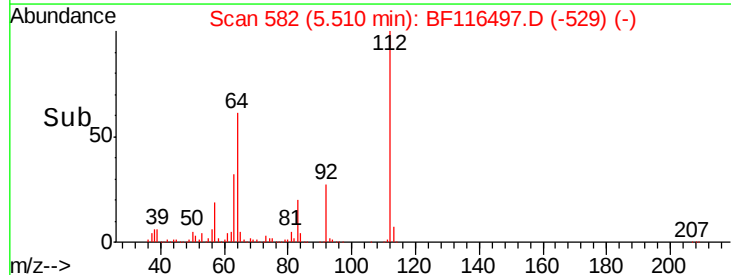
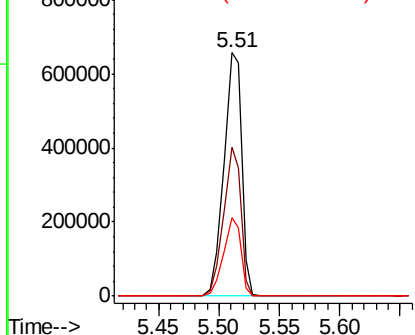
#5

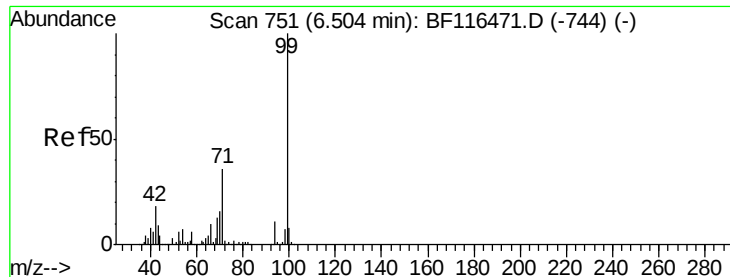
2-Fluorophenol
 Concen: 68.932 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Tgt Ion:112 Resp: 671067
 Ion Ratio Lower Upper
 112 100
 64 61.4 46.3 69.5
 63 32.3 24.2 36.4



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: 75.701 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

Instrument :

BNA_F

ClientSampled :

T1-J-(0-2.5)

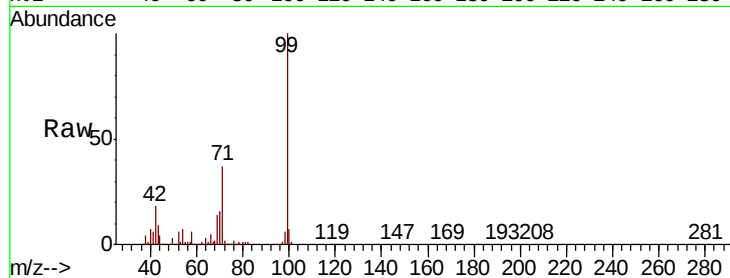
Tgt Ion: 99 Resp: 903631

Ion Ratio Lower Upper

99 100

42 18.1 14.6 21.8

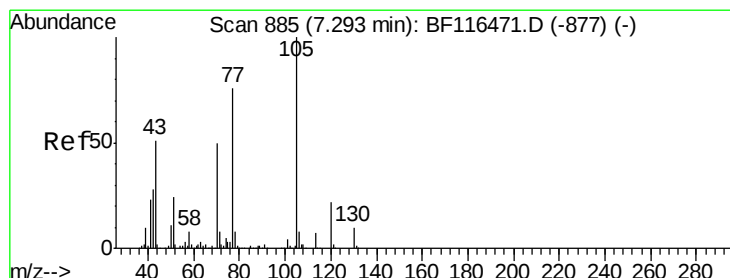
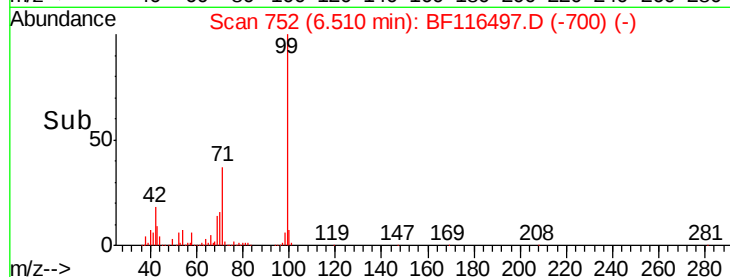
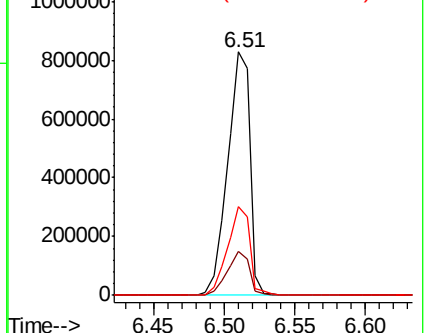
71 36.5 28.5 42.7



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: 9.253 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

Tgt Ion: 70 Resp: 75365

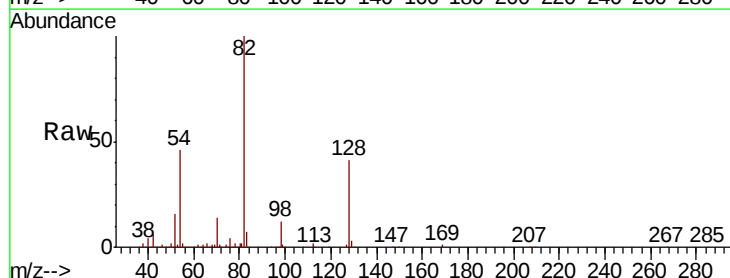
Ion Ratio Lower Upper

70 100

42 45.8 44.4 66.6

101 0.0 7.1 10.7#

130 1.7 15.8 23.8#

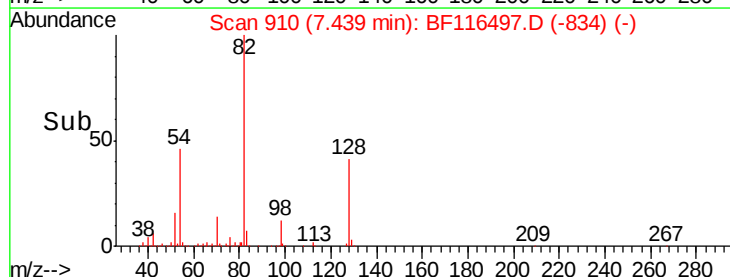
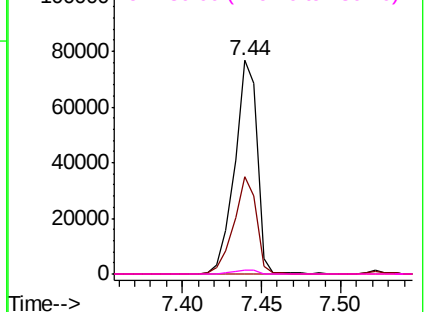


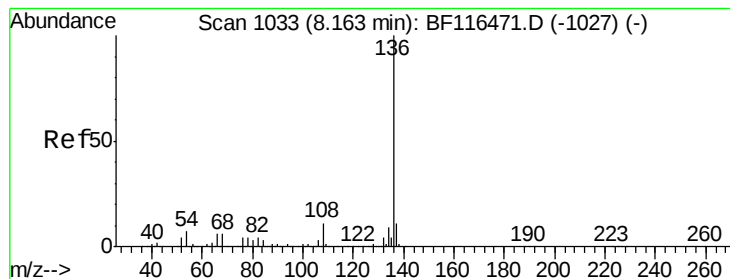
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.17 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

Instrument :

BNA_F

ClientSampleId :

T1-J-(0-2.5)

Tgt Ion:136 Resp: 555276

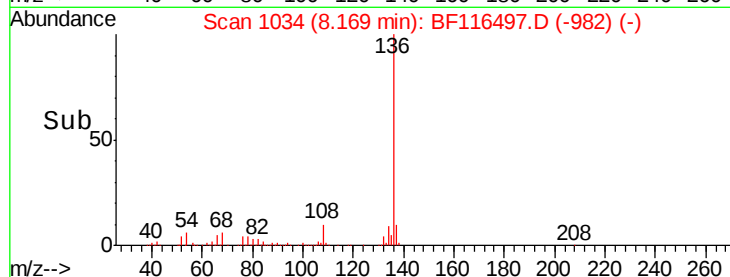
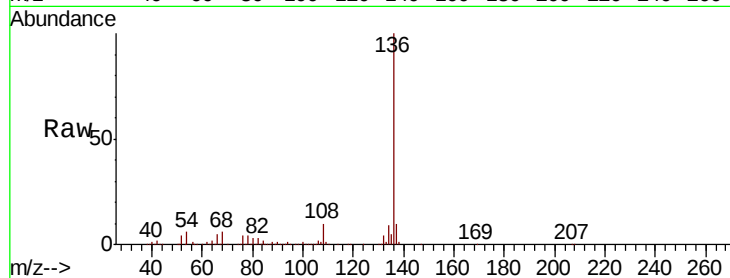
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 6.1 5.8 8.6

68 5.7 5.1 7.7

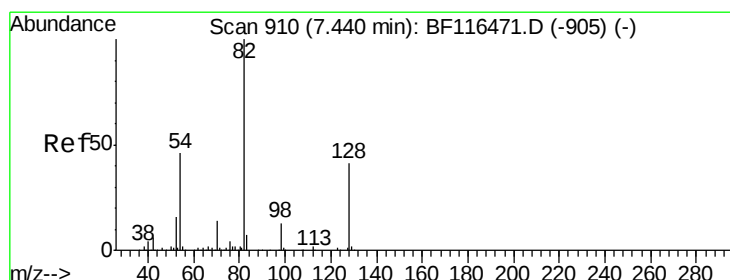
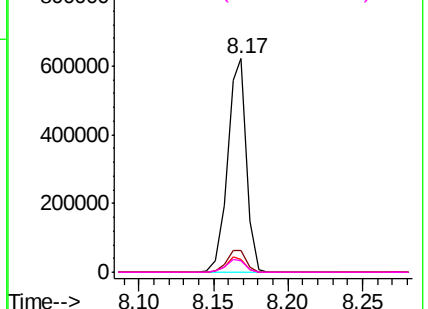


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.364 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

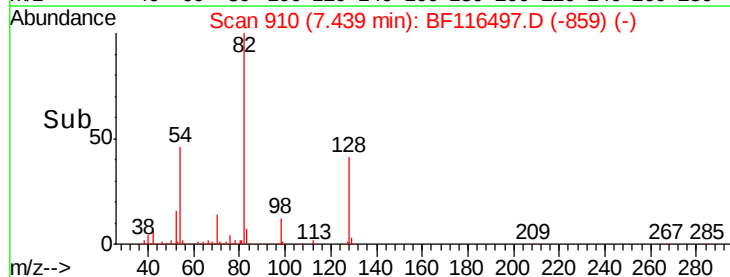
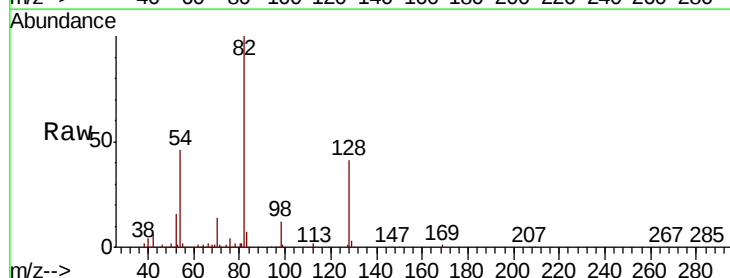
Tgt Ion: 82 Resp: 551762

Ion Ratio Lower Upper

82 100

128 40.5 32.2 48.4

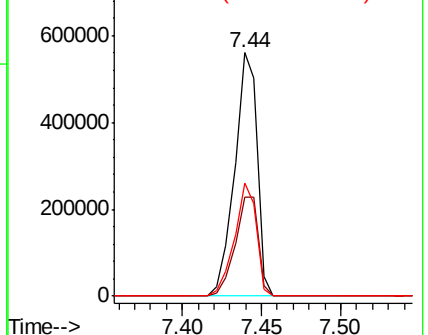
54 46.3 36.5 54.7

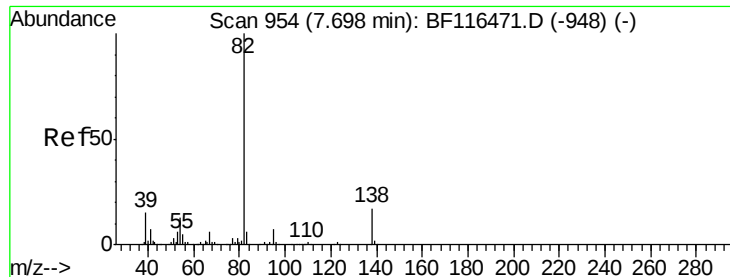


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.547 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

Instrument :

BNA_F

ClientSampleId :

T1-J-(0-2.5)

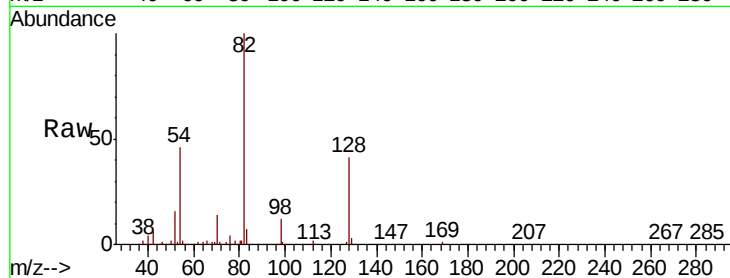
Tgt Ion: 82 Resp: 550980

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

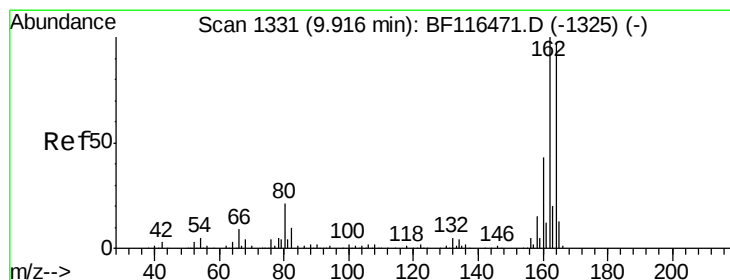
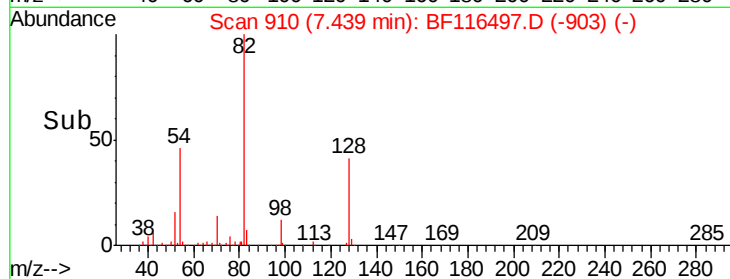
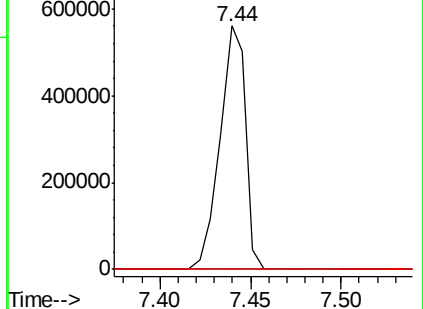
138 0.0 13.3 19.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

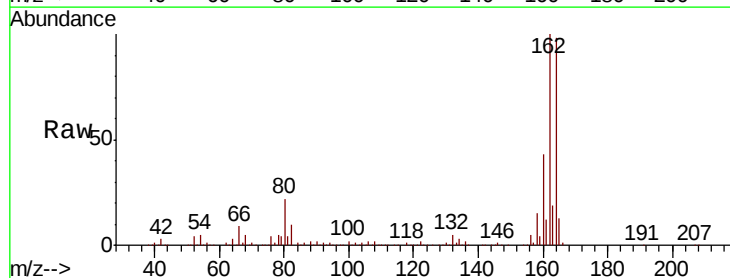
Tgt Ion: 164 Resp: 270003

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

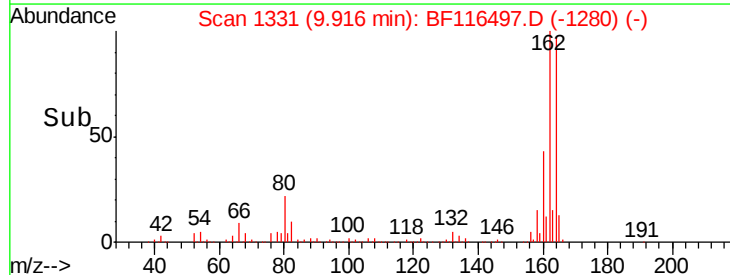
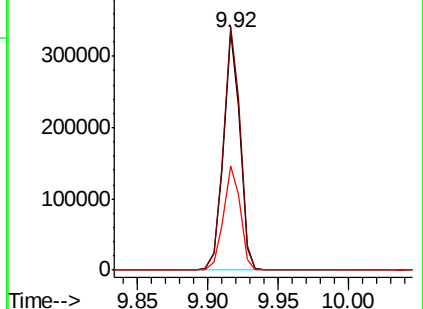
160 43.7 35.8 53.8

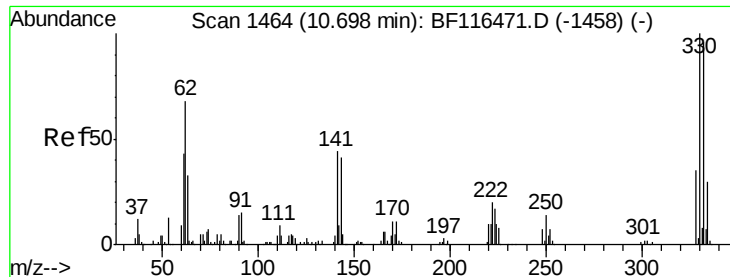


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

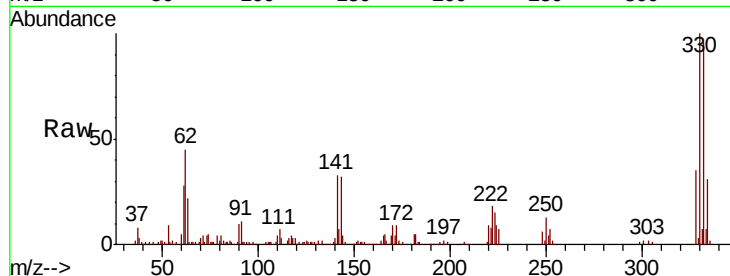




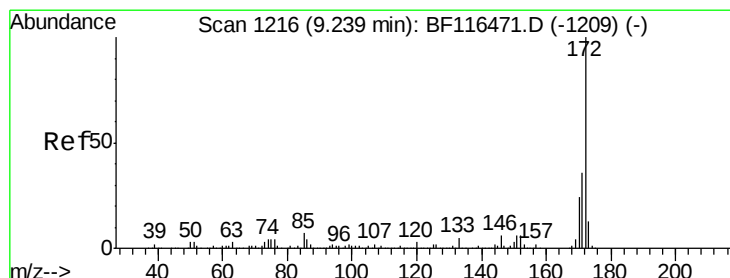
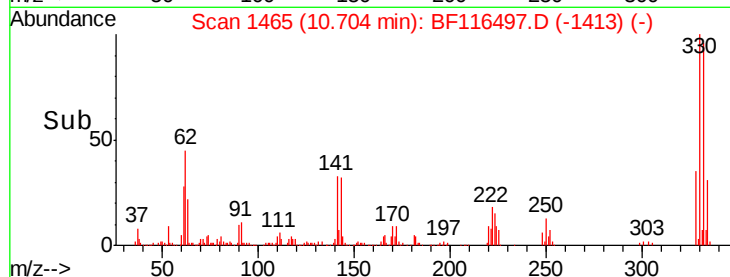
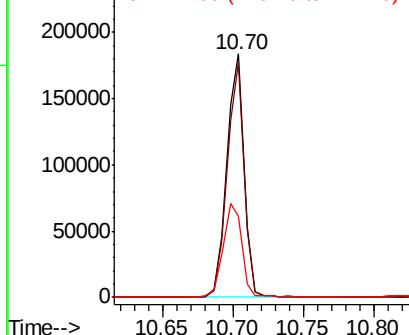
#42
 2,4,6-Tribromophenol
 Concen: 67.415 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Instrument :
 BNA_F
 ClientSampled :
 T1-J-(0-2.5)

Tgt Ion: 330 Resp: 156298
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.2 115.8
 141 42.9 33.3 49.9

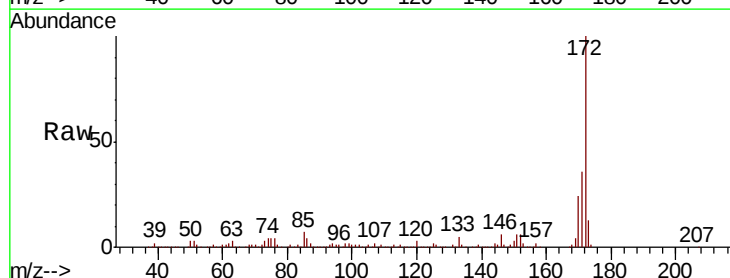


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

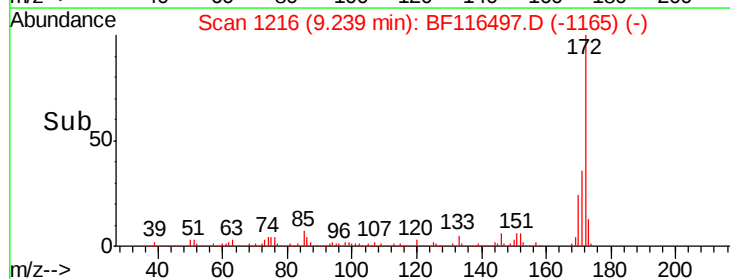
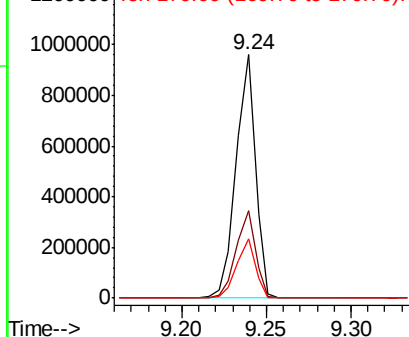


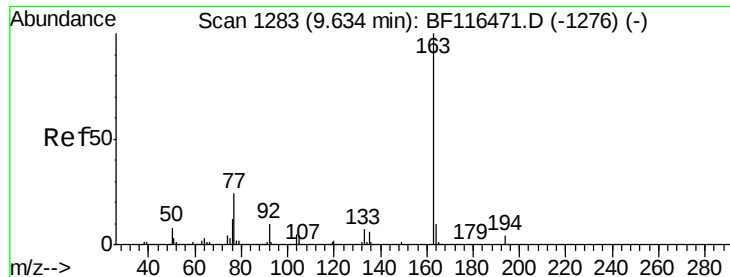
#45
 2-Fluorobiphenyl
 Concen: 45.901 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Tgt Ion: 172 Resp: 769584
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.9 43.3
 170 24.3 19.4 29.0



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

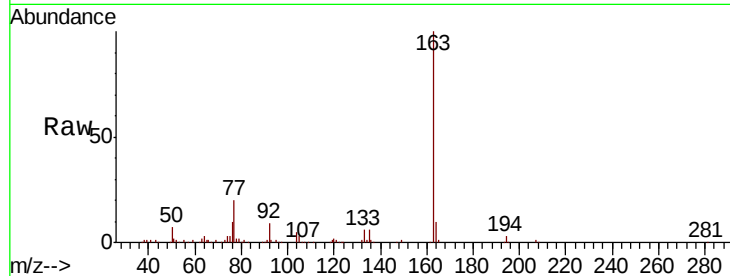




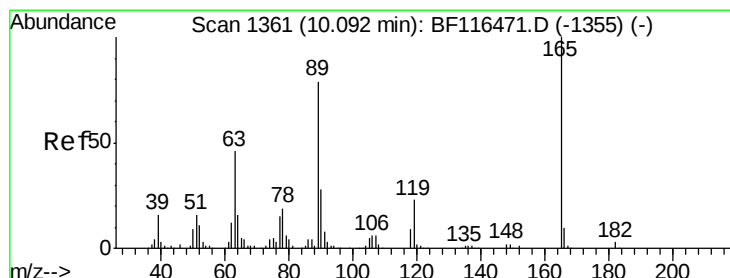
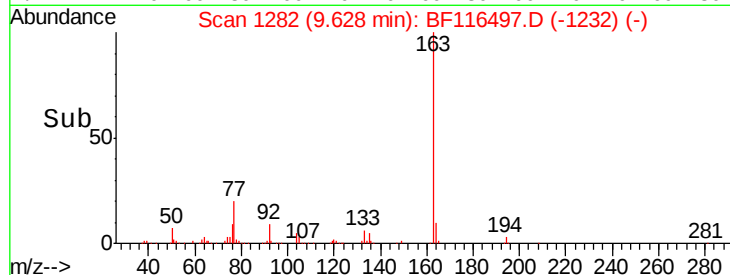
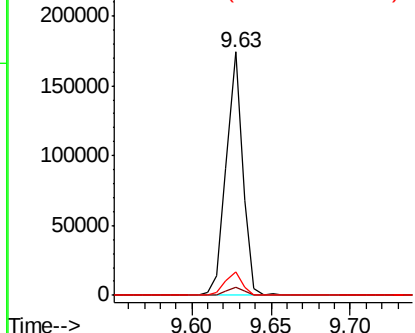
#50
Dimethylphthalate
Concen: 6.715 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Instrument :
BNA_F
ClientSampleId :
T1-J-(0-2.5)

Tgt Ion:163 Resp: 126506
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 9.9 8.2 12.2

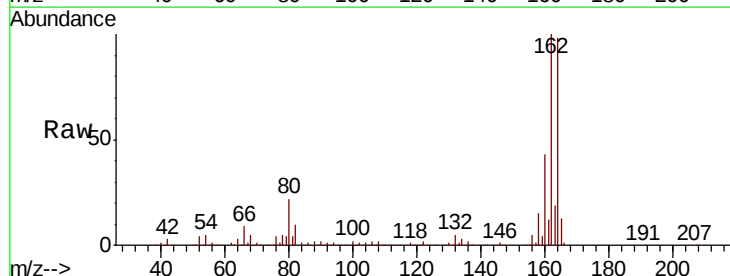


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

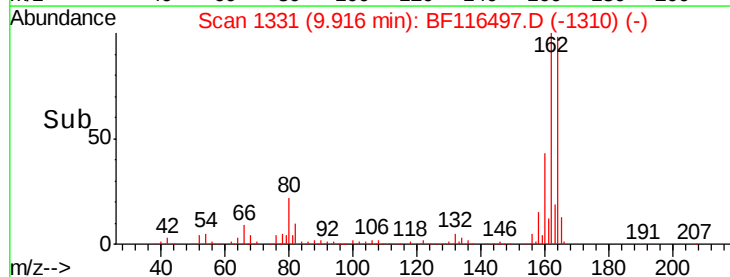
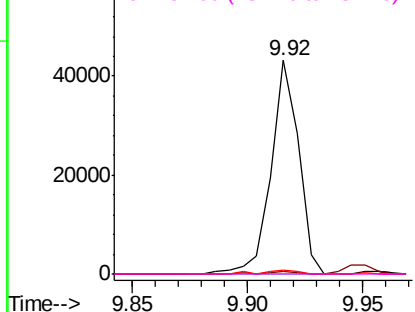


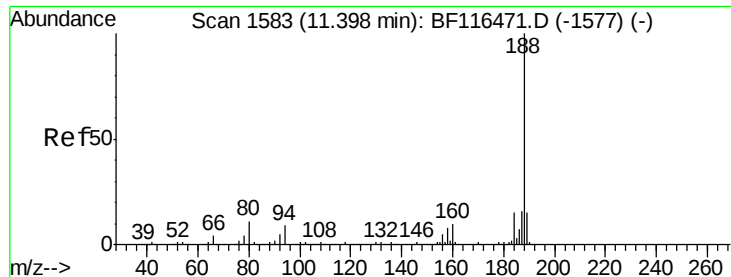
#57
2,4-Dinitrotoluene
Concen: 7.278 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Tgt Ion:165 Resp: 35711
Ion Ratio Lower Upper
165 100
63 1.2 36.9 55.3#
89 1.6 63.4 95.0#
182 0.0 2.1 3.1#



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

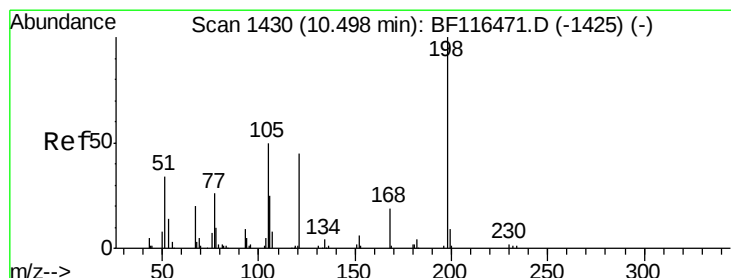
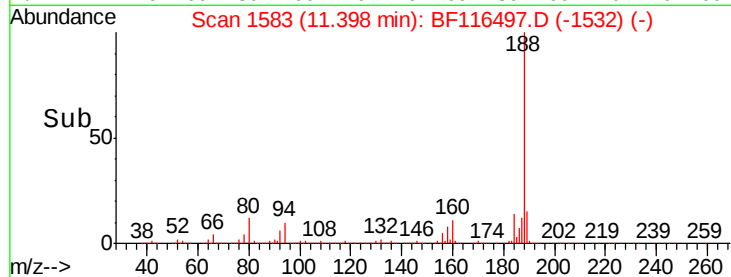
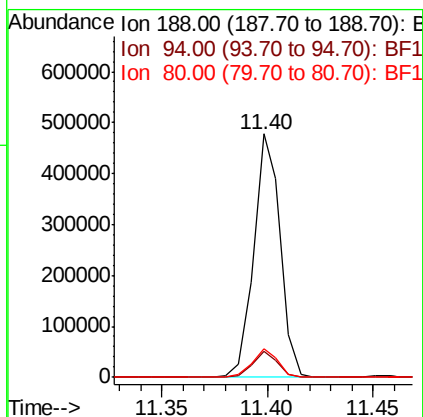
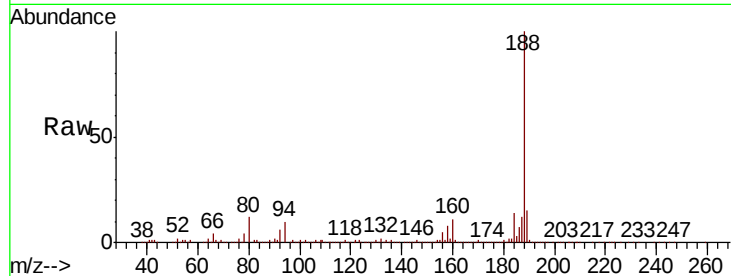




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

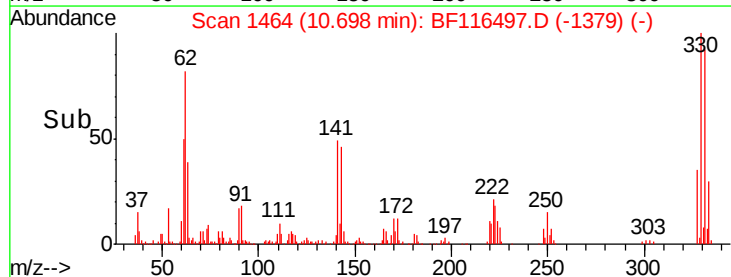
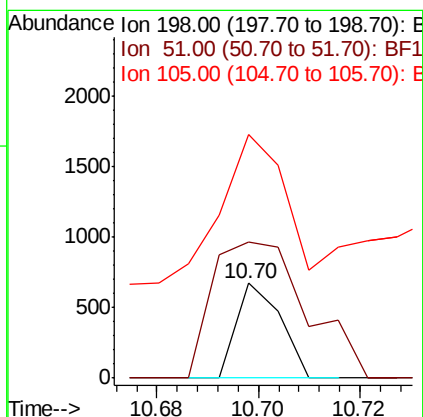
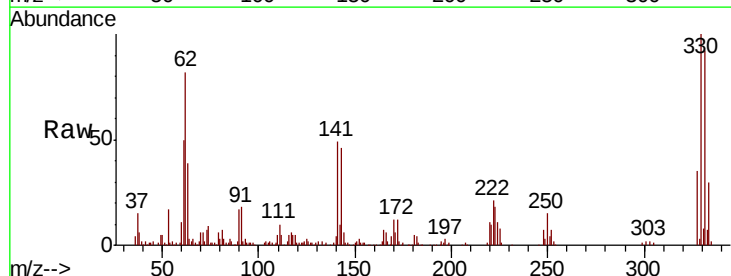
Instrument :
BNA_F
ClientSampleId :
T1-J-(0-2.5)

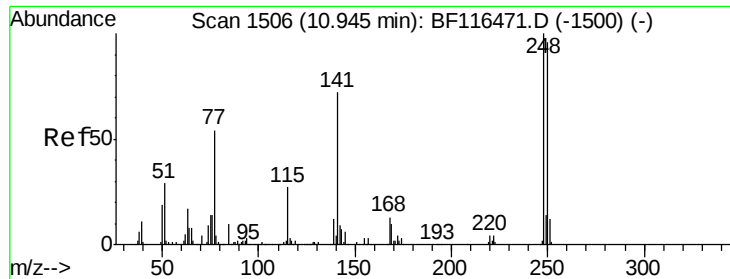
Tgt Ion:188 Resp: 415102
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 11.7 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.207 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Tgt Ion:198 Resp: 403
Ion Ratio Lower Upper
198 100
51 143.9 30.4 70.4#
105 256.7 32.8 72.8#

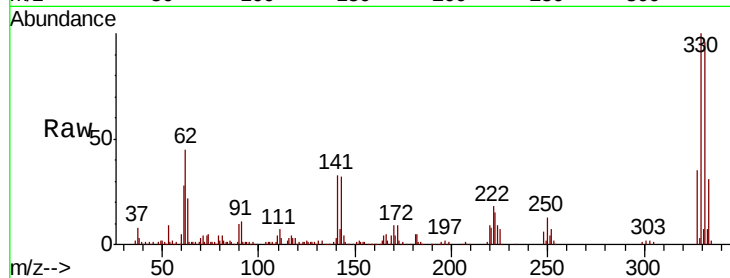




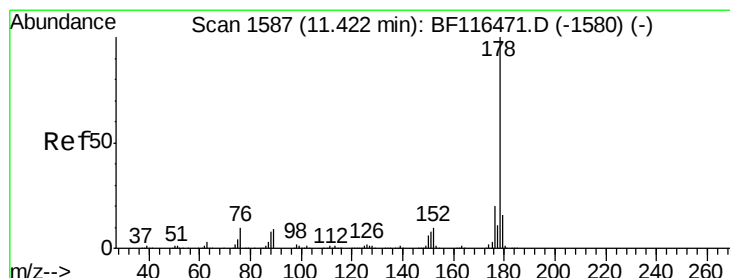
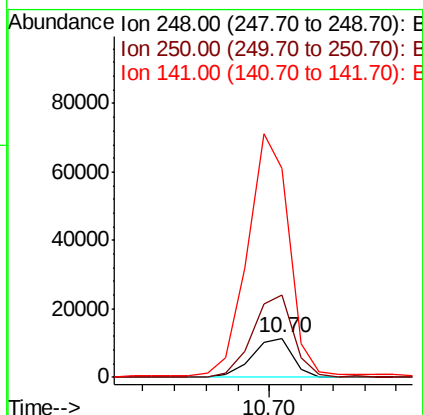
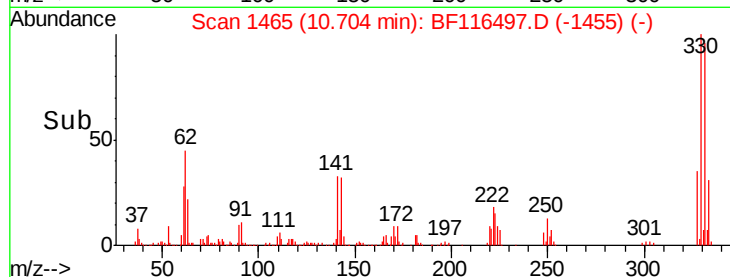
#67
 4-Bromophenyl-phenylether
 Concen: 2.304 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.24 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Instrument :
 BNA_F
 ClientSampleId :
 T1-J-(0-2.5)

Tgt Ion: 248 Resp: 10028
 Ion Ratio Lower Upper
 248 100
 250 209.3 77.0 115.6#
 141 533.7 57.4 86.0#

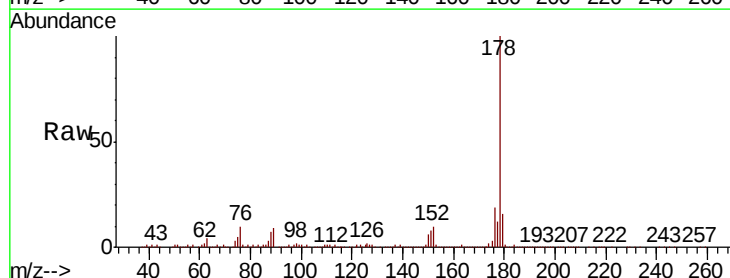


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

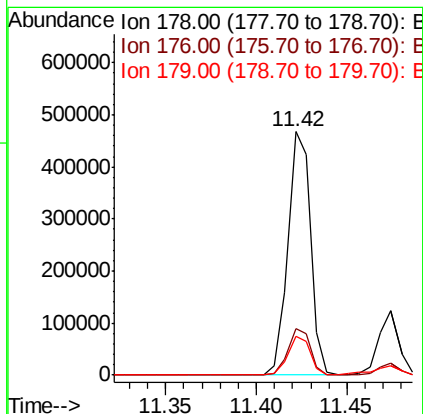
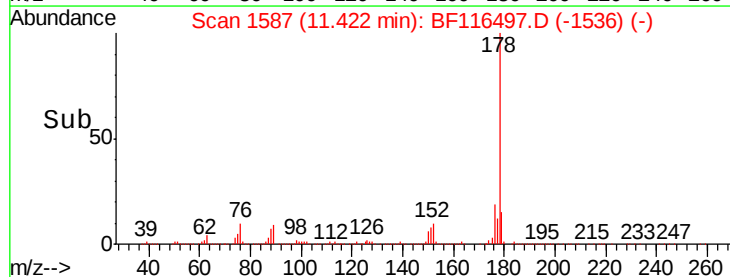


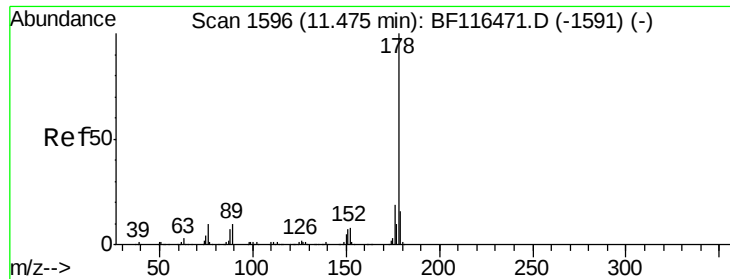
#71
 Phenanthrene
 Concen: 18.011 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Tgt Ion: 178 Resp: 407283
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.6
 179 15.7 12.8 19.2



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

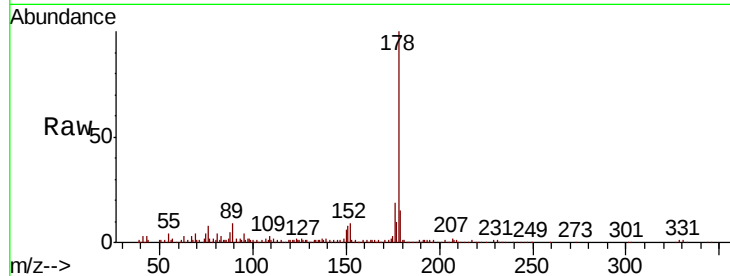




#72
 Anthracene
 Concen: 4.081 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Instrument :
 BNA_F
 ClientSampleId :
 T1-J-(0-2.5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	14.9	12.5	18.7

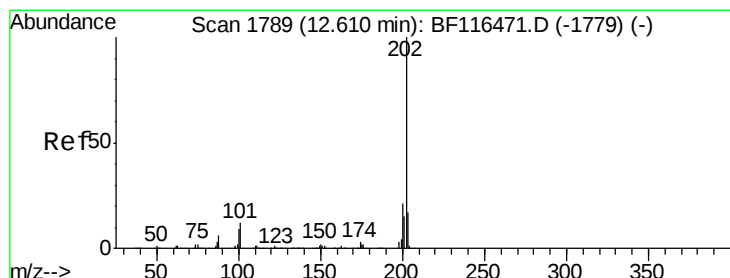
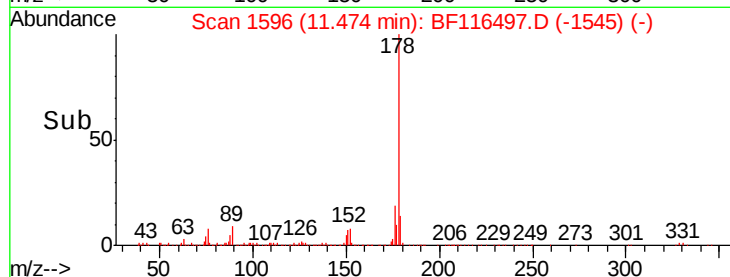
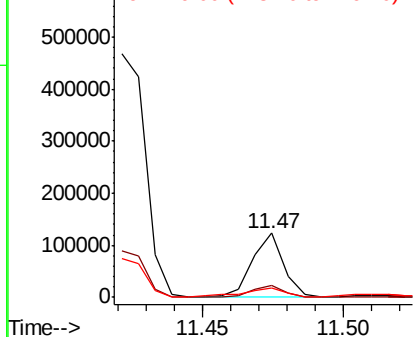


Abundance

Ion 178.00 (177.70 to 178.70): E

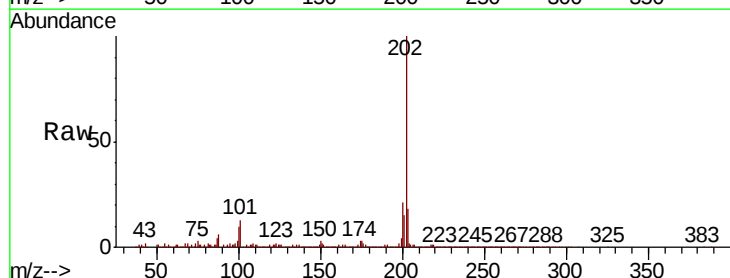
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
 Fluoranthene
 Concen: 23.858 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.5
203	17.8	0.0	37.5

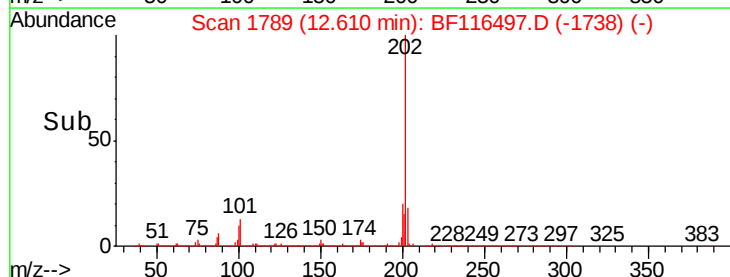
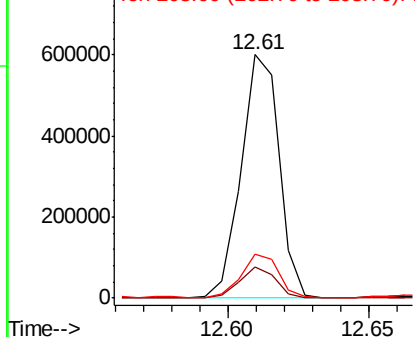


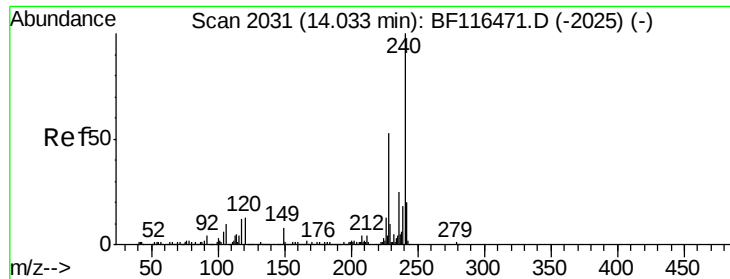
Abundance

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

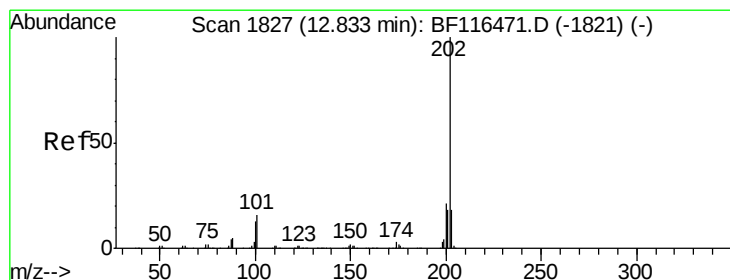
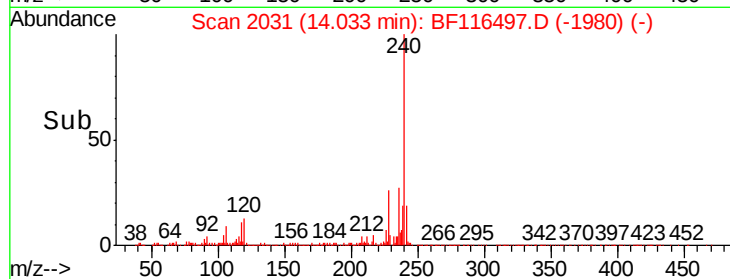
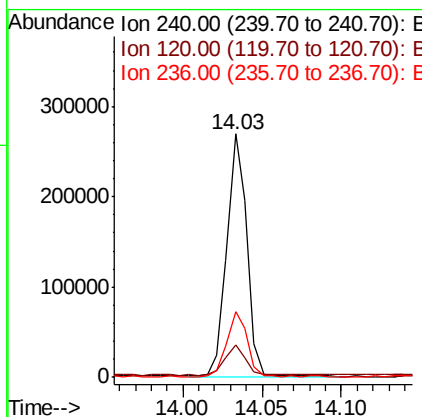
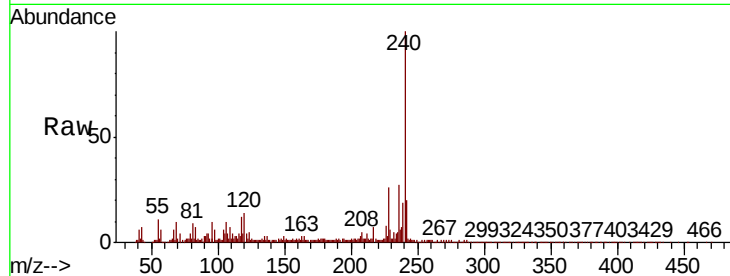




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

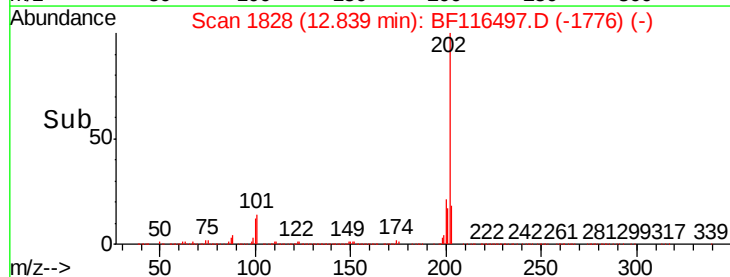
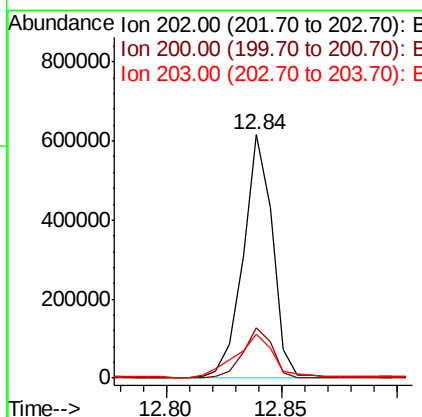
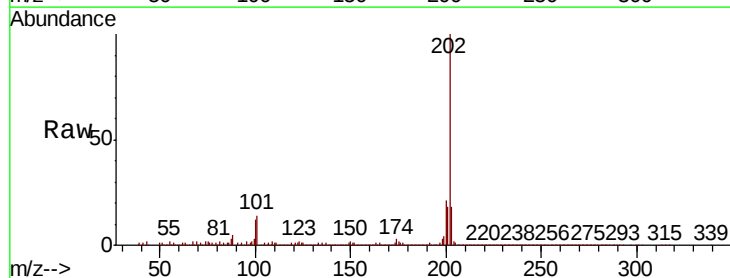
Instrument :
BNA_F
ClientSampleId :
T1-J-(0-2.5)

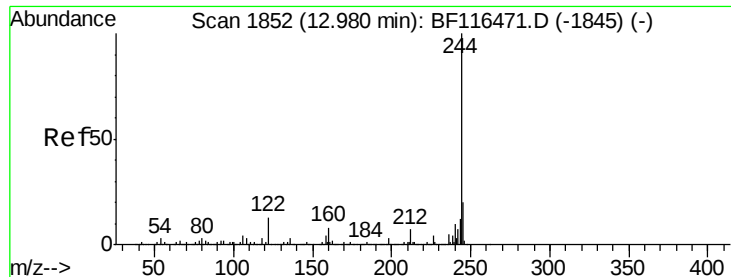
Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.5	15.7
236	26.9	20.2	30.2



#78
Pyrene
Concen: 28.979 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.1	14.2	21.4

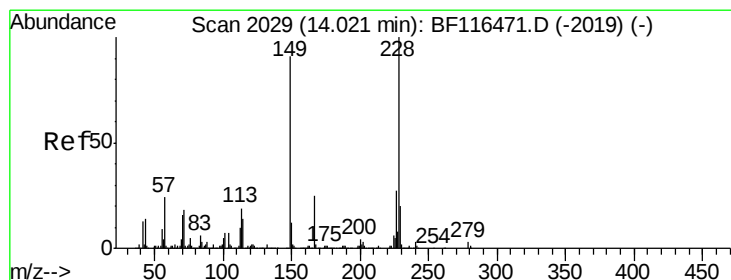
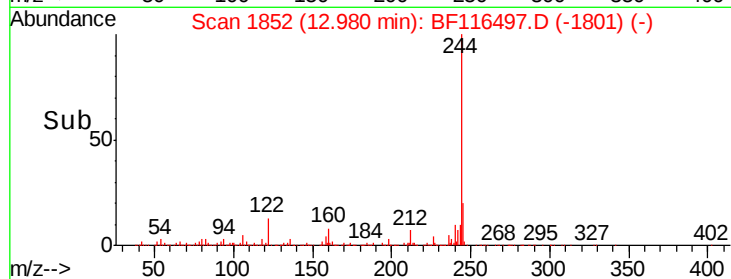
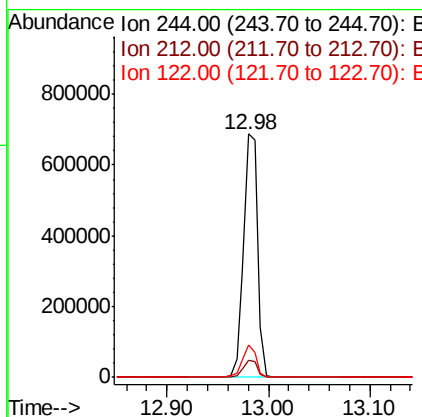
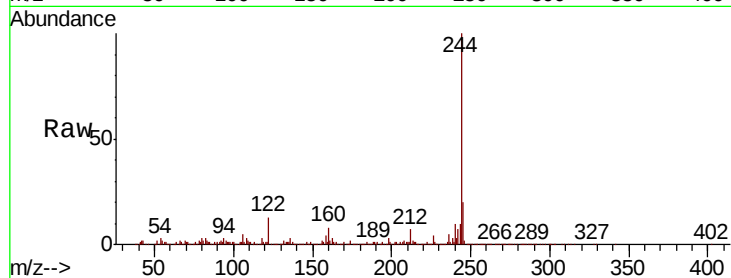




#79
 Terphenyl-d14
 Concen: 52.461 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

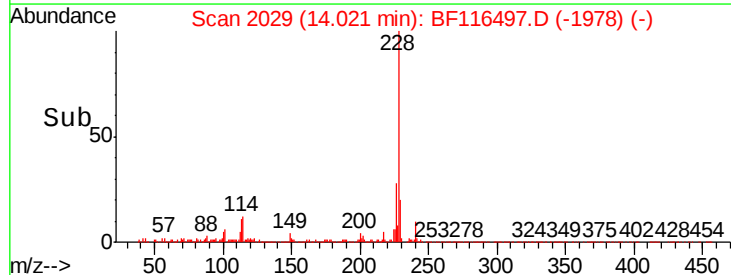
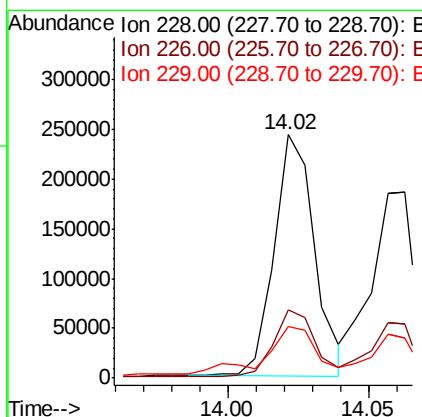
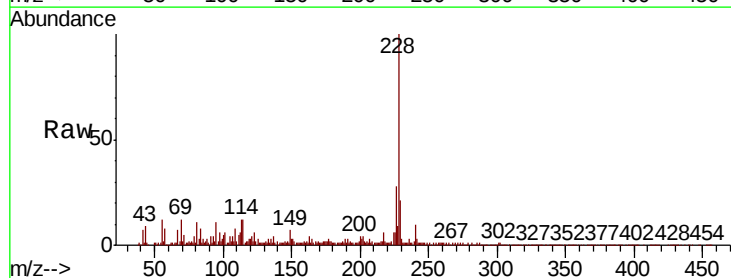
Instrument :
 BNA_F
 ClientSampleId :
 T1-J-(0-2.5)

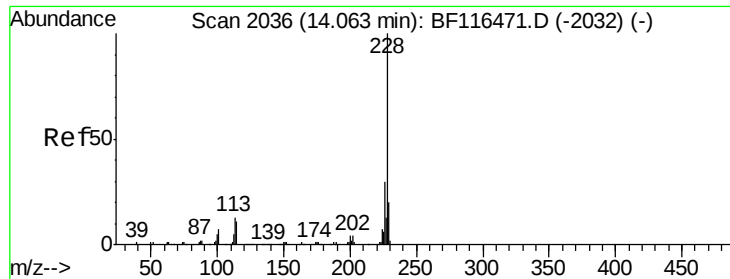
Tgt Ion:244 Resp: 658768
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 13.3 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 15.883 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116497.D
 Acq: 24 Aug 2019 00:25

Tgt Ion:228 Resp: 241283
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.6
 229 21.3 15.9 23.9





#83

Chrysene

Concen: 12.825 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.00 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

Instrument :

BNA_F

ClientSampleId :

T1-J-(0-2.5)

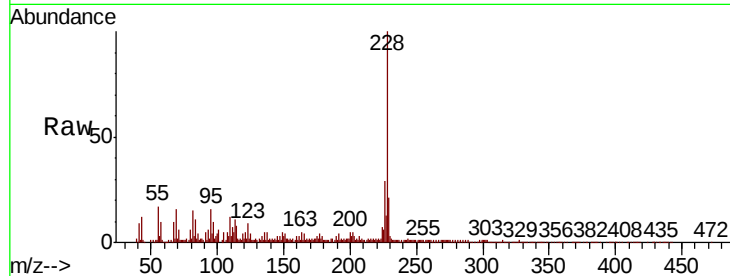
Tgt Ion:228 Resp: 197469

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

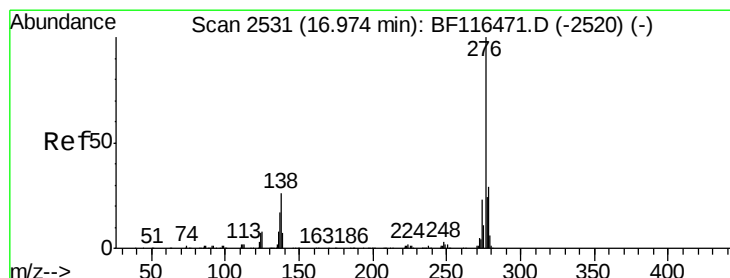
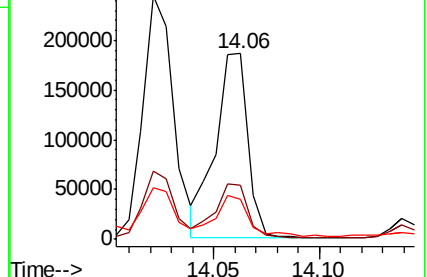
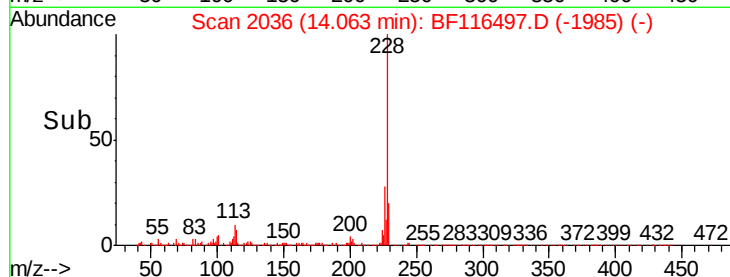
229 21.4 15.8 23.6



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.762 ng

RT: 16.96 min Scan# 2529

Delta R.T. -0.01 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

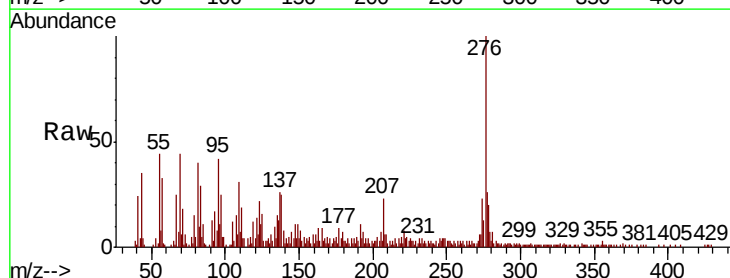
Tgt Ion:276 Resp: 89183

Ion Ratio Lower Upper

276 100

138 24.1 22.9 34.3

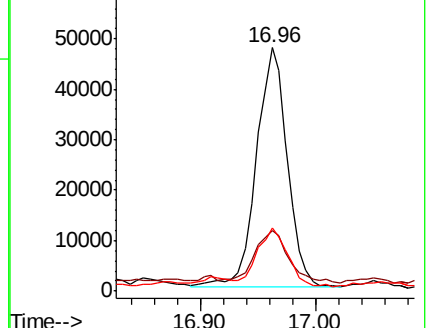
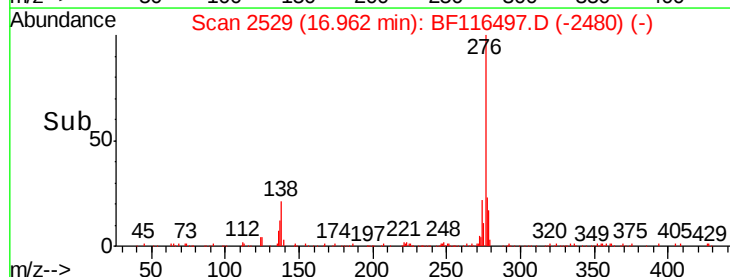
277 24.4 19.9 29.9

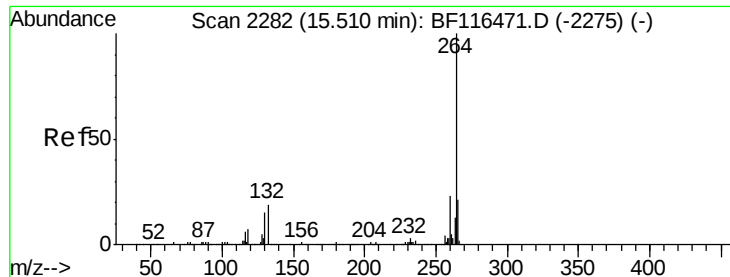


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



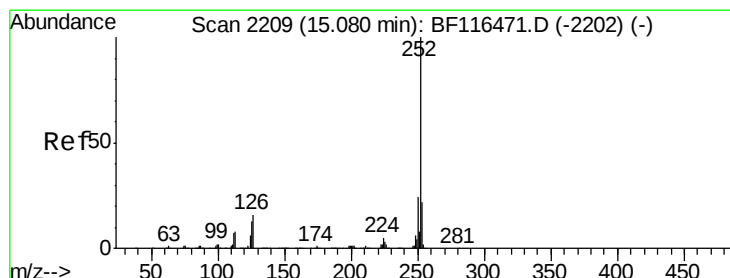
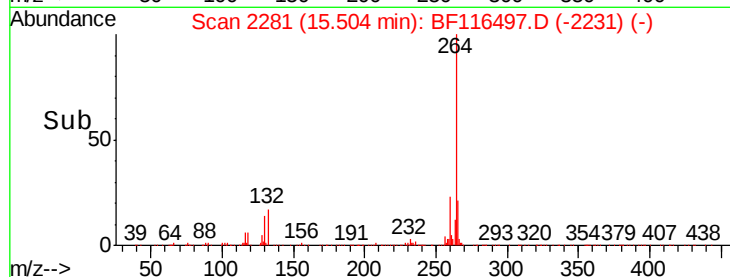
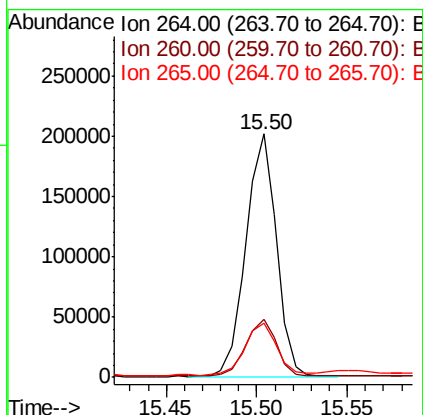
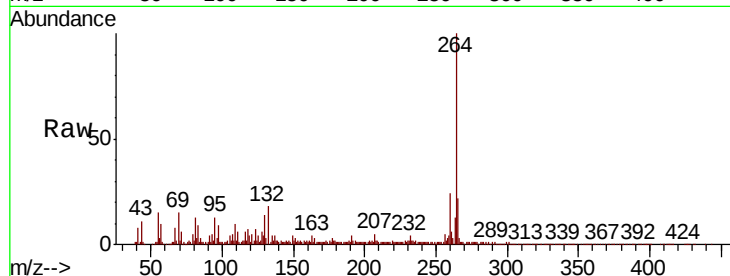


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Instrument :
BNA_F
ClientSampleId :
T1-J-(0-2.5)

Tgt Ion:264 Resp: 234798

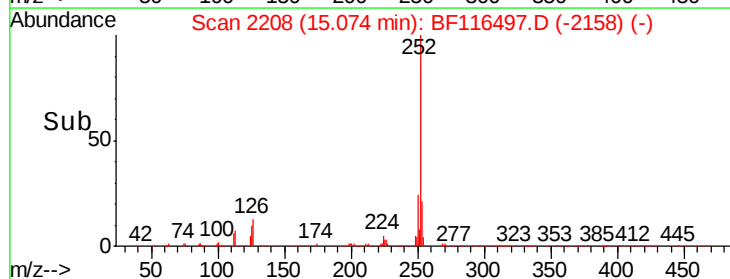
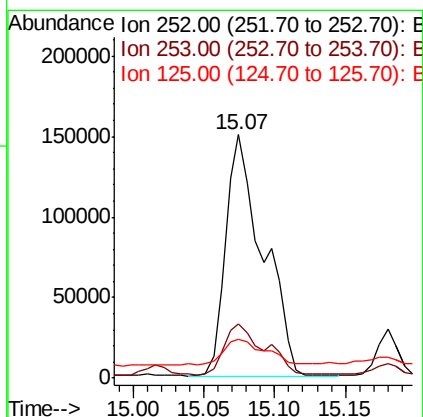
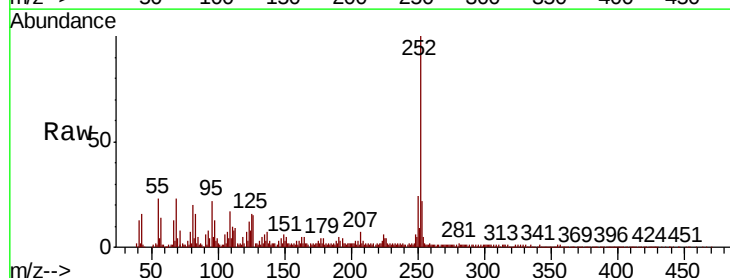
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.1	17.1	25.7

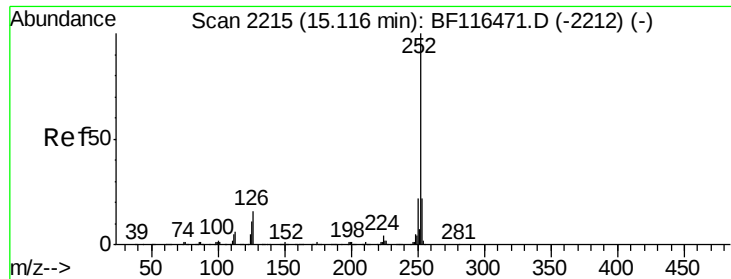


#88
Benzo(b)fluoranthene
Concen: 19.027 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Tgt Ion:252 Resp: 275982

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	16.1	10.1	15.1#

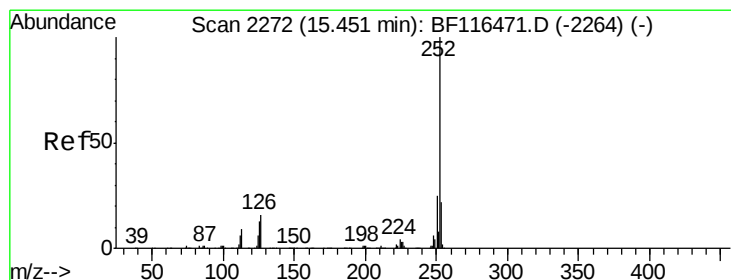
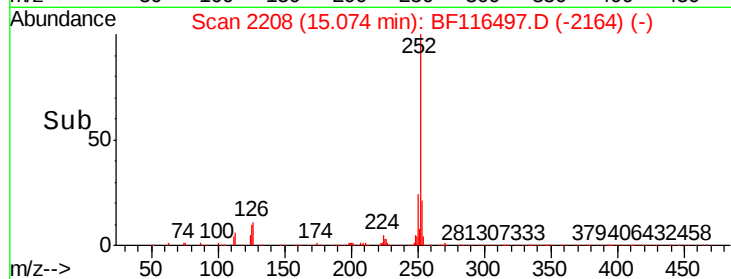
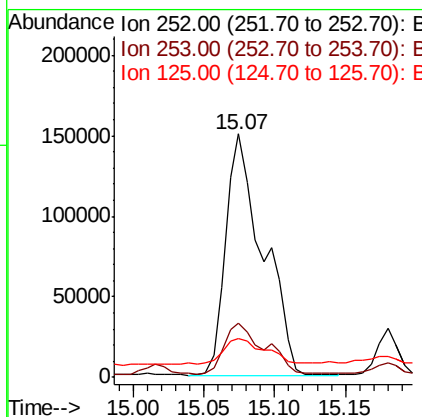
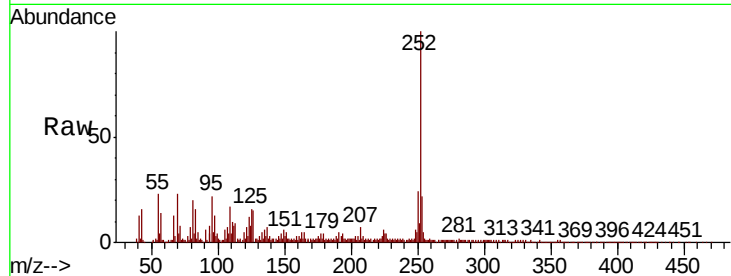




#89
Benzo(k)fluoranthene
Concen: 21.002 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

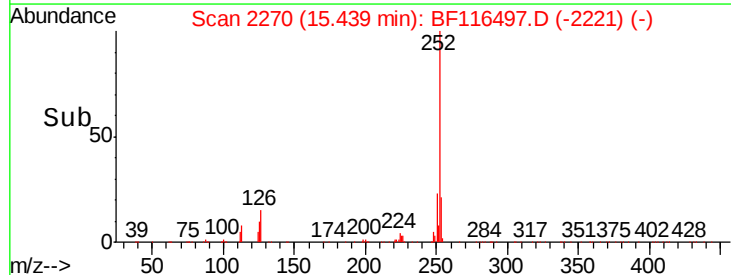
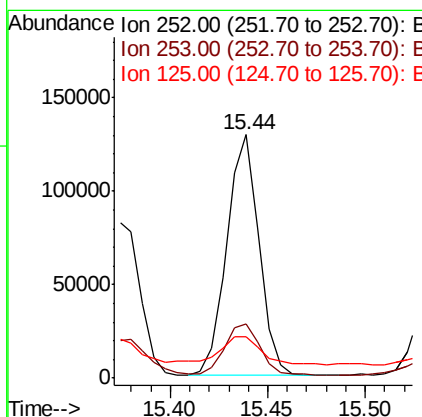
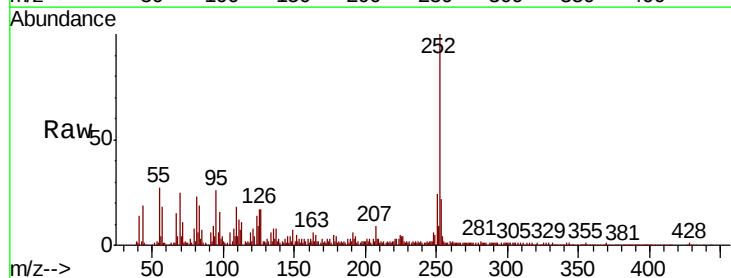
Instrument :
BNA_F
ClientSampleId :
T1-J-(0-2.5)

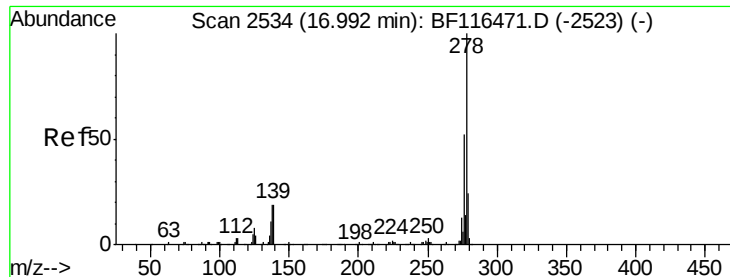
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	16.1	9.1	13.7



#90
Benzo(a)pyrene
Concen: 11.527 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF116497.D
Acq: 24 Aug 2019 00:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	16.8	10.2	15.4





#91

Dibenzo(a,h)anthracene

Concen: 2.238 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.02 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

Instrument :

BNA_F

ClientSampleId :

T1-J-(0-2.5)

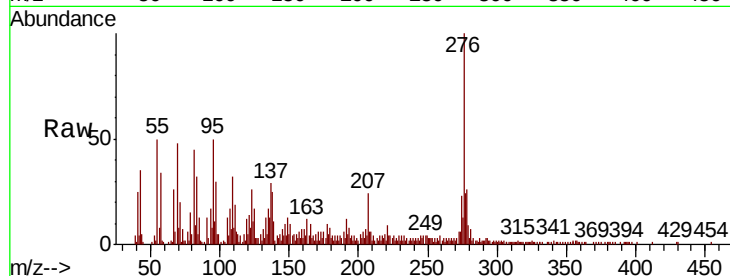
Tgt Ion:278 Resp: 23575

Ion Ratio Lower Upper

278 100

139 42.1 15.3 22.9#

279 34.6 19.0 28.6#

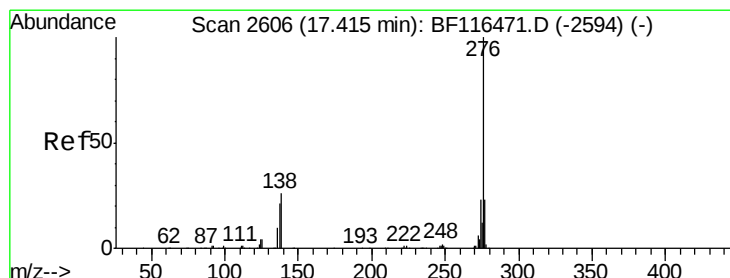
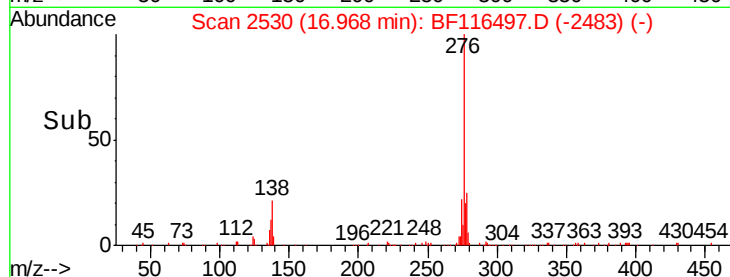
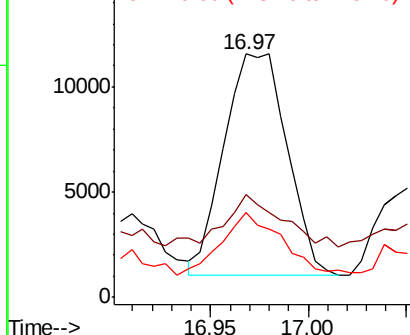


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.265 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.01 min

Lab File: BF116497.D

Acq: 24 Aug 2019 00:25

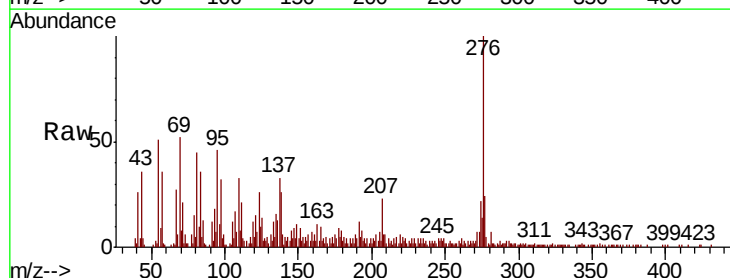
Tgt Ion:276 Resp: 83002

Ion Ratio Lower Upper

276 100

277 24.2 18.7 28.1

138 26.2 20.8 31.2



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

