

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117042.D
 Acq On : 14 Sep 2019 00:12
 Operator : HP/JU
 Sample : K4668-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: Sep 14 01:41:17 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	6.82	152	74060	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	298337	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	144069	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	196900	20.00	ng	0.00
76) Chrysene-d12	13.97	240	135435	20.00	ng	0.00
87) Perylene-d12	15.41	264	124845	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	217037	45.75	ng	0.00
7) Phenol-d6	6.45	99	312860	51.03	ng	0.00
23) Nitrobenzene-d5	7.38	82	184962	32.58	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	53268	44.24	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	348965	37.87	ng	0.00
79) Terphenyl-d14	12.91	244	234117	32.31	ng	0.00

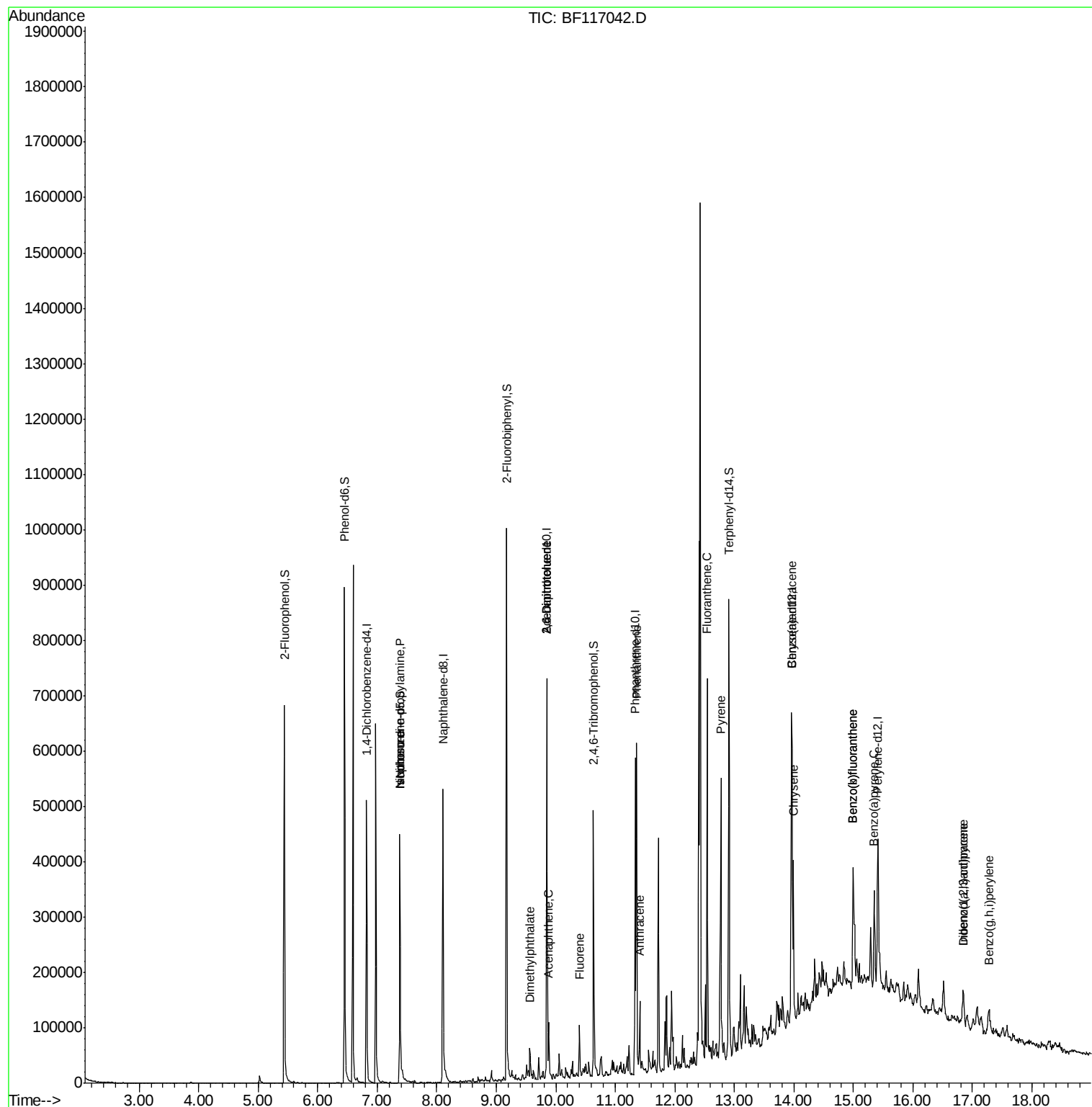
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	421	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.38	70	25109	6.726	ng	# 81
25) Isophorone	7.38	82	184959	18.398	ng	# 66
50) Dimethylphthalate	9.56	163	21559	2.113	ng	# 97
51) 2,6-Dinitrotoluene	9.85	165	20173	9.710	ng	# 25
52) Acenaphthene	9.88	154	19797	2.500	ng	94
57) 2,4-Dinitrotoluene	9.85	165	20173	7.480	ng	# 19
58) Fluorene	10.40	166	29080	3.089	ng	# 96
71) Phenanthrene	11.36	178	215829	19.298	ng	99
72) Anthracene	11.41	178	64039	5.609	ng	94
75) Fluoranthene	12.54	202	269716	23.471	ng	96
78) Pvrene	12.77	202	230208	20.258	ng	99
81) Benzo(a)anthracene	13.96	228	112637	12.448	ng	99
83) Chrysene	13.99	228	100257	11.360	ng	98
86) Indeno(1,2,3-cd)pyrene	16.84	276	37078	5.759	ng	95
88) Benzo(b)fluoranthene	14.99	252	151444	20.026	ng	97
89) Benzo(k)fluoranthene	14.99	252	151444	21.141	ng	97
90) Benzo(a)pyrene	15.35	252	77063	11.613	ng	95
91) Dibenzo(a,h)anthracene	16.85	278	13388	2.532	ng	# 81
92) Benzo(a,h,i)perylene	17.27	276	39966	7.587	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.82 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

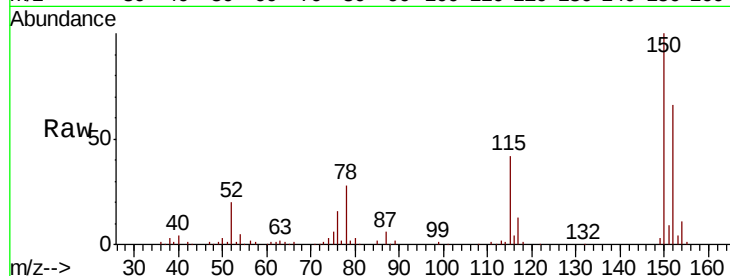
Tot Ion:152 Resp: 74060

Ion Ratio Lower Upper

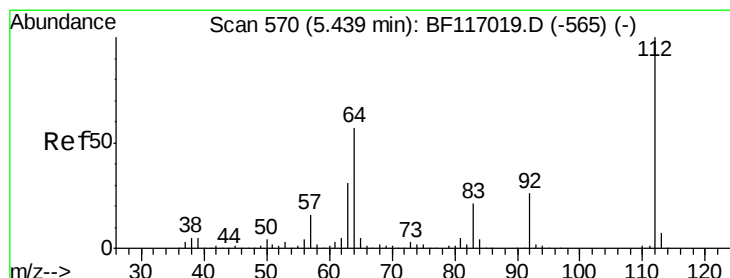
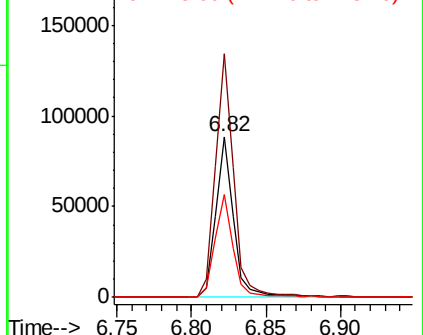
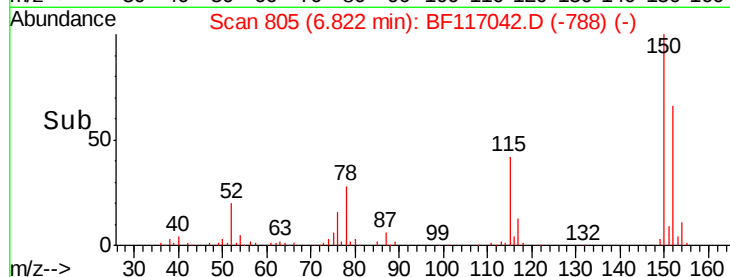
152 100

150 151.5 127.5 191.3

115 64.0 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: 45.753 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

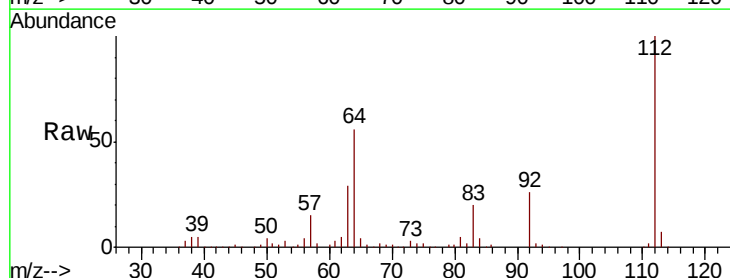
Tgt Ion:112 Resp: 217037

Ion Ratio Lower Upper

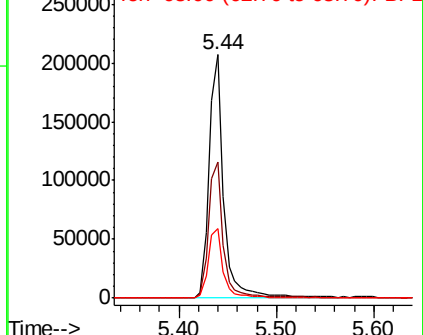
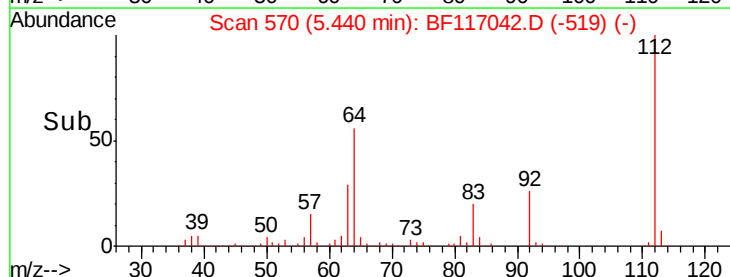
112 100

64 55.8 45.7 68.5

63 28.5 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: 51.033 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

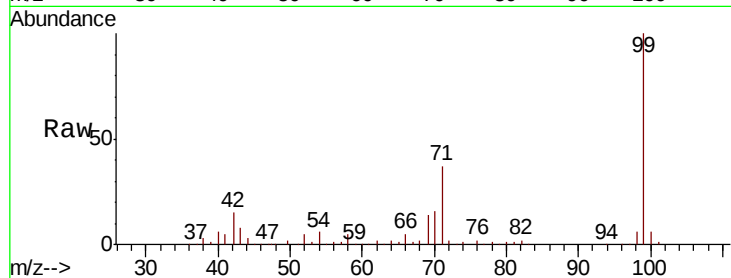
Tot Ion: 99 Resp: 312860

Ion Ratio Lower Upper

99 100

42 15.4 12.2 18.2

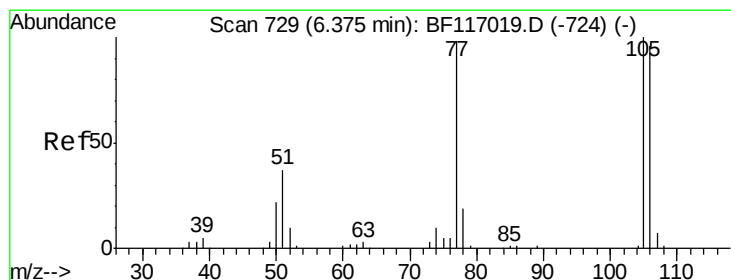
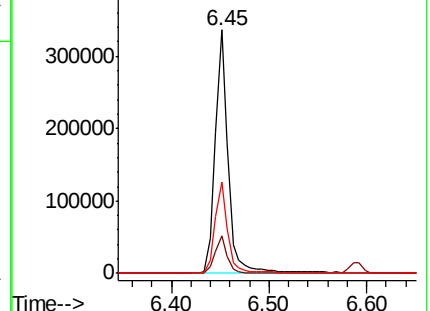
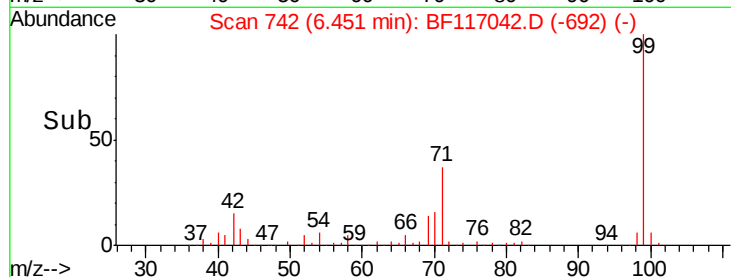
71 37.4 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

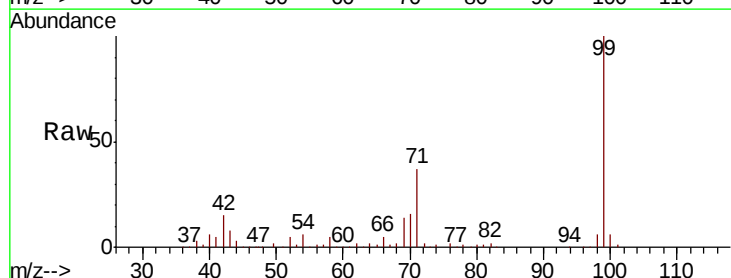
Tgt Ion: 77 Resp: 421

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

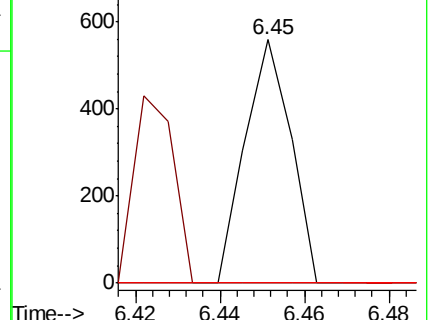
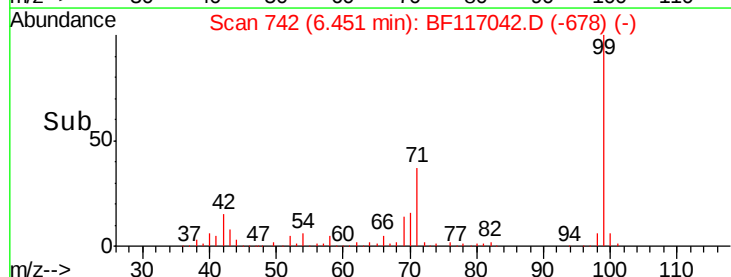
106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

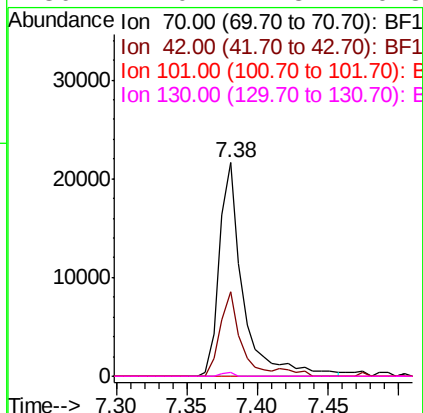
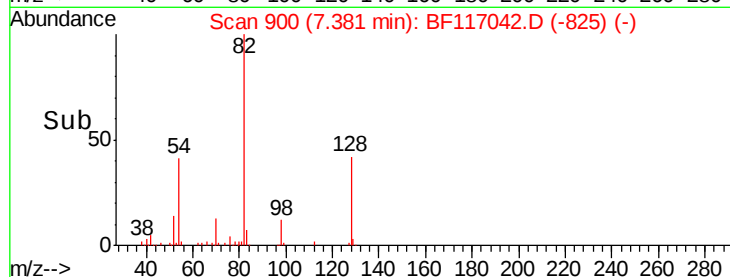
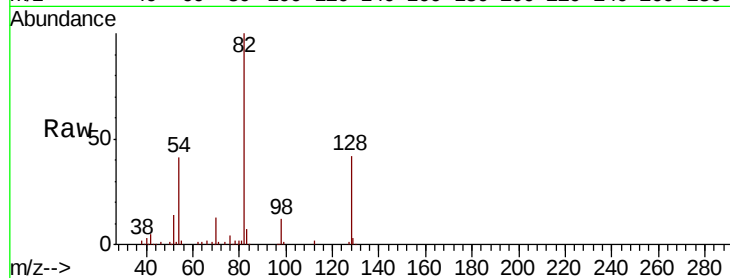




#19
n-Nitroso-di-n-propylamine
Concen: 6.726 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

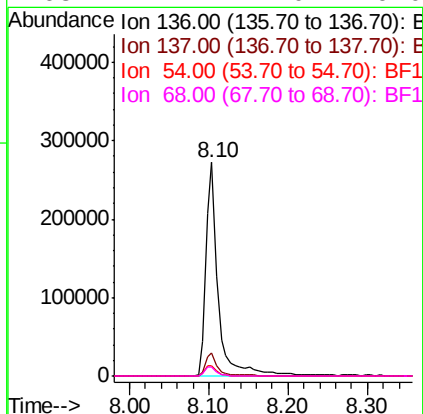
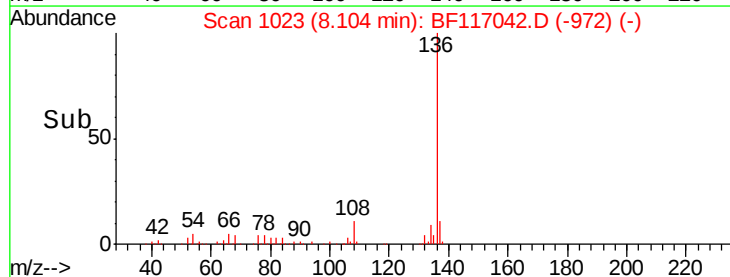
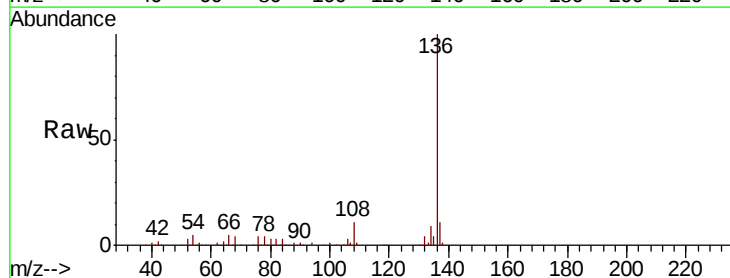
Instrument :
BNA_F
ClientSampleId :
DFTPP

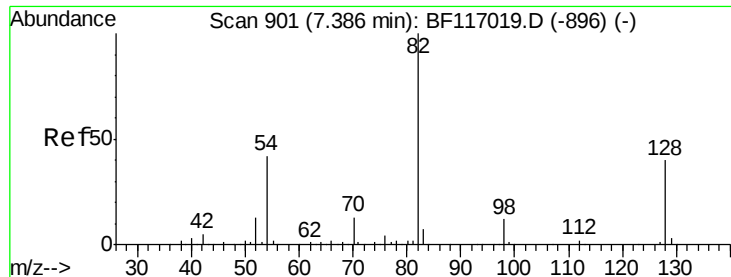
Tot Ion:	70	Resp:	25109
Ion	Ratio	Lower	Upper
70	100		
42	39.7	34.0	51.0
101	0.0	7.8	11.6#
130	2.0	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:	136	Resp:	298337
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.0	4.5	6.7
68	4.2	4.0	6.0

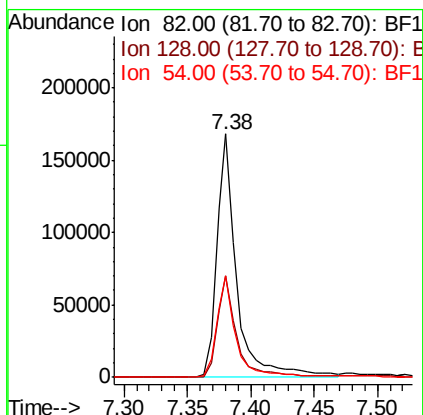
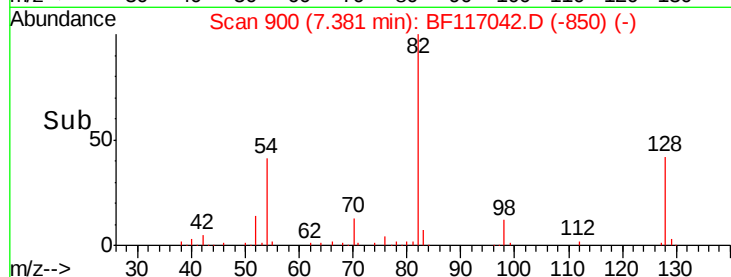
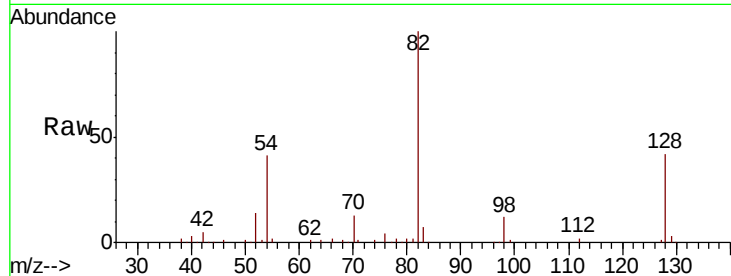




#23
 Nitrobenzene-d5
 Concen: 32.575 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

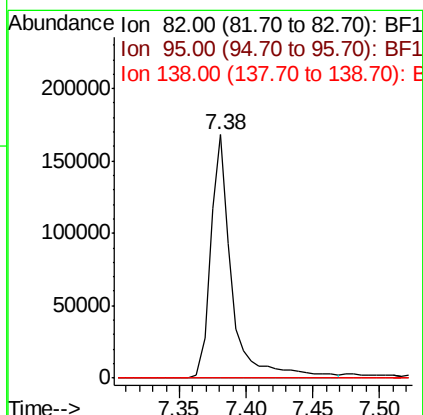
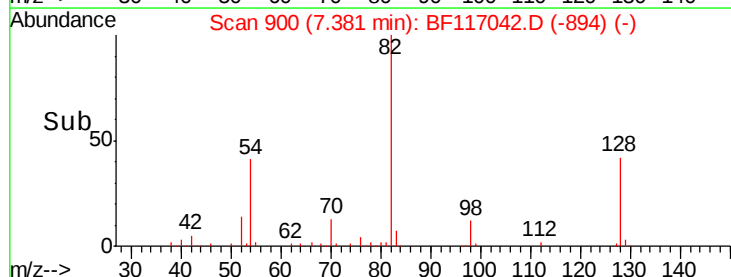
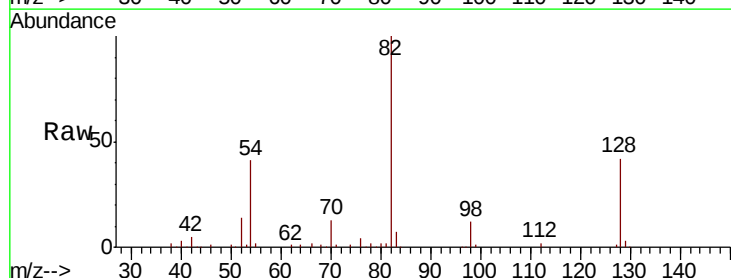
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

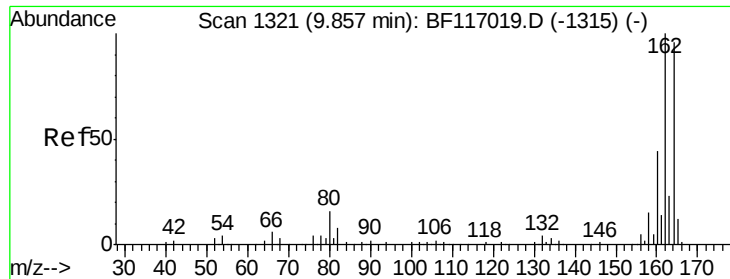
Tot Ion	82	Resp	184962
Ion Ratio	100	Lower	Upper
128	41.8	32.3	48.5
54	41.5	33.3	49.9



#25
 Isophorone
 Concen: 18.398 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion	82	Resp	184959
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

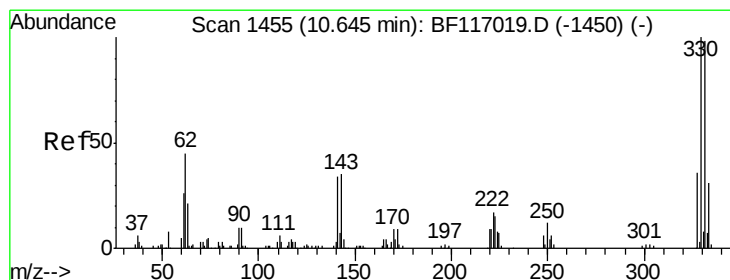
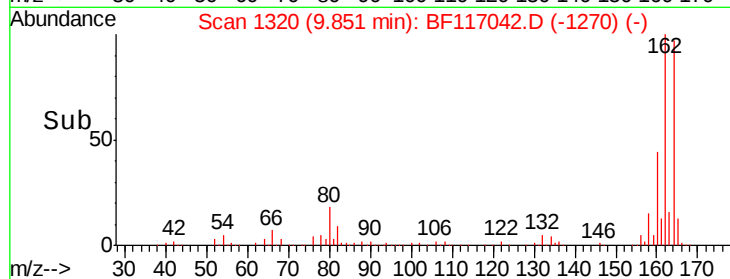
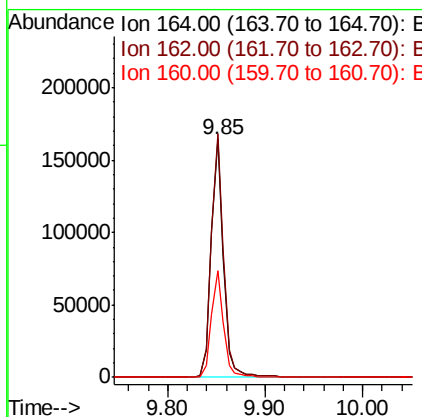
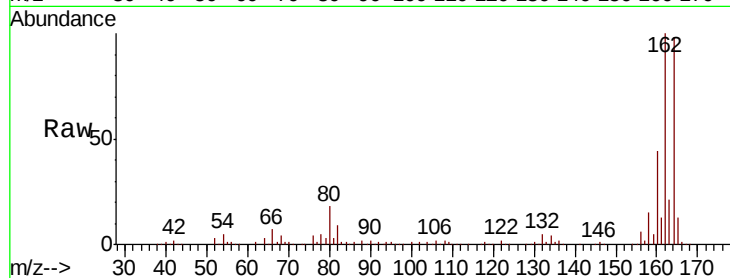




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

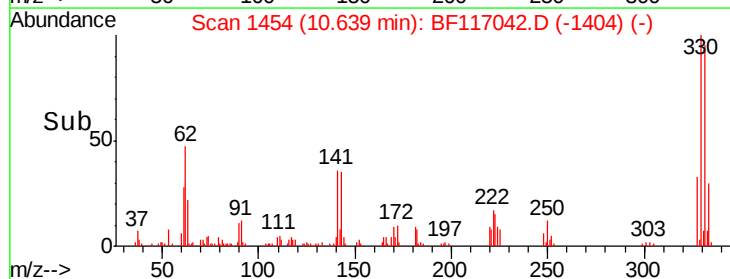
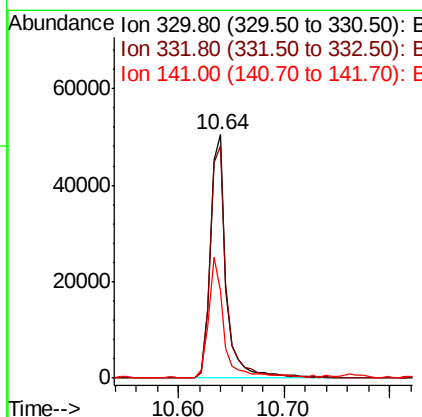
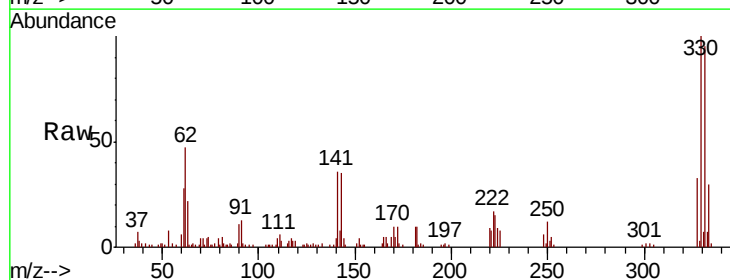
Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:164 Resp: 144069
Ion Ratio Lower Upper
164 100
162 102.3 83.4 125.2
160 45.1 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 44.239 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:330 Resp: 53268
Ion Ratio Lower Upper
330 100
332 97.8 78.0 117.0
141 48.3 35.8 53.6

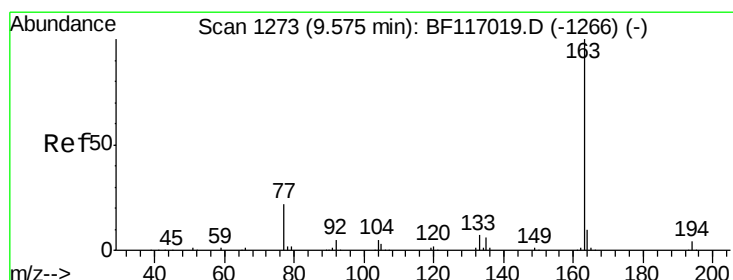
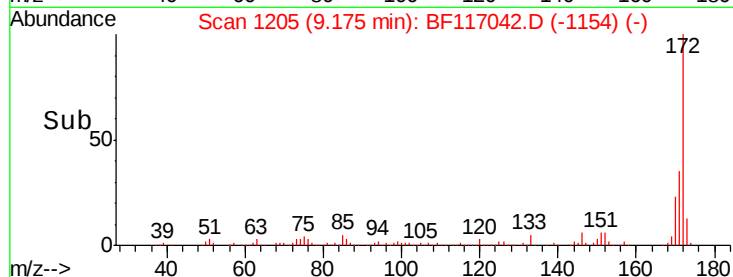
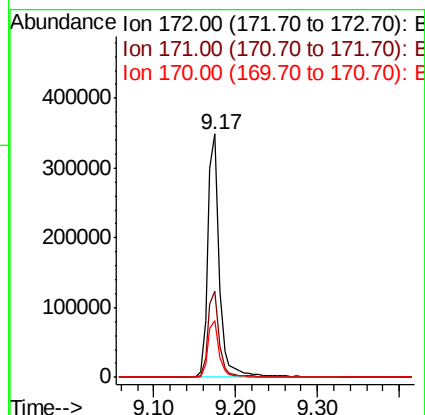
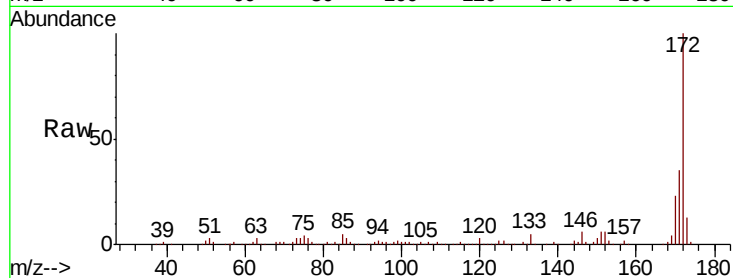




#45
2-Fluorobiphenyl
Concen: 37.873 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

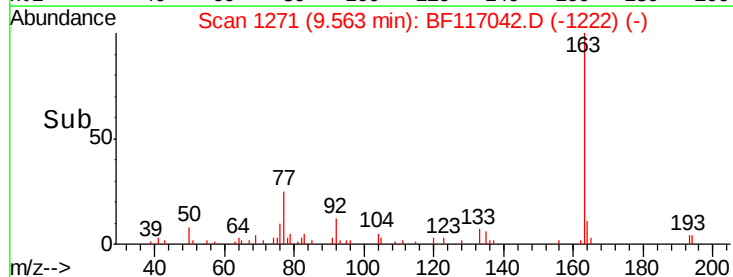
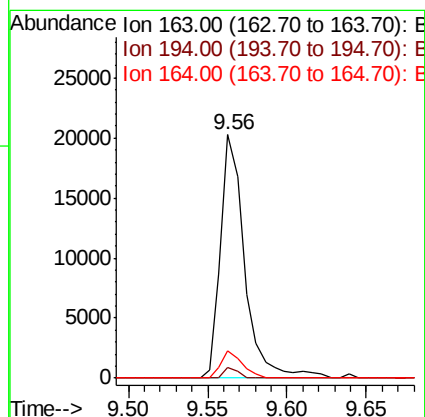
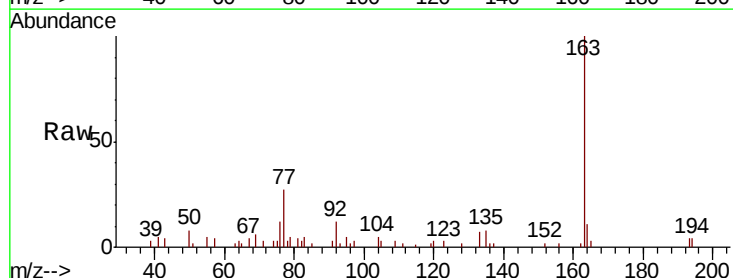
Instrument :
BNA_F
ClientSampleId :
DFTPP

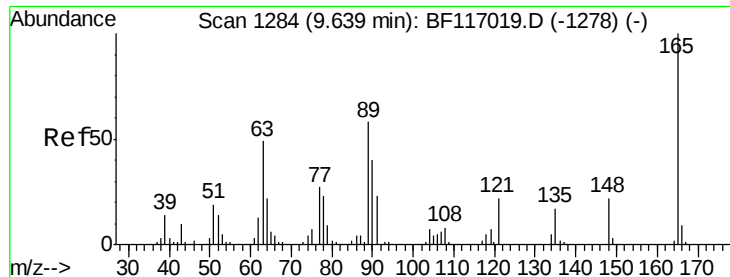
Tot Ion:172 Resp: 348965
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.3 18.9 28.3



#50
Dimethylphthalate
Concen: 2.113 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:163 Resp: 21559
Ion Ratio Lower Upper
163 100
194 4.3 2.9 4.3#
164 11.4 8.2 12.4

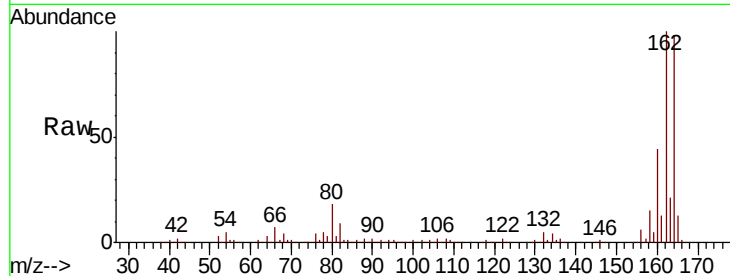




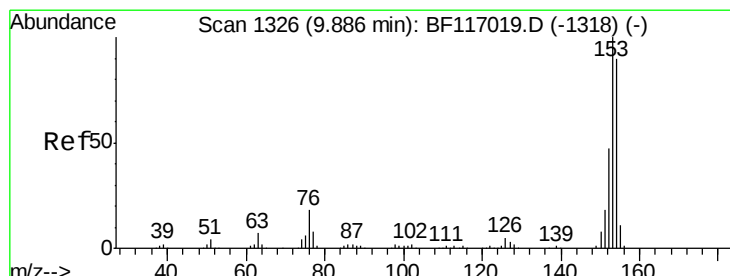
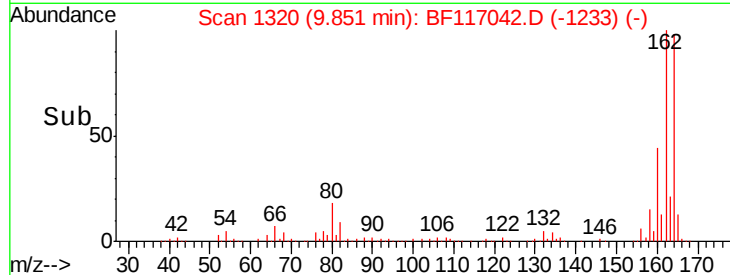
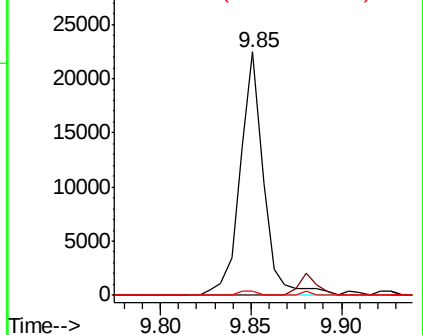
#51
 2,6-Dinitrotoluene
 Concen: 9.710 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	1.9	46.5	69.7#

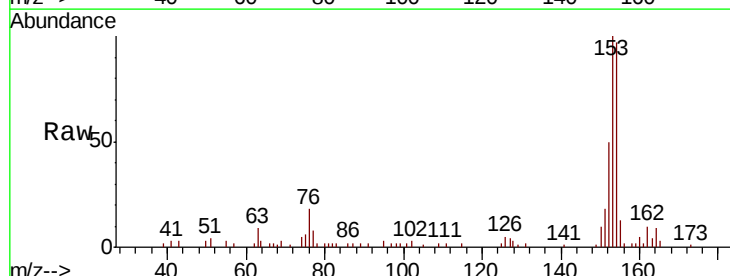


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

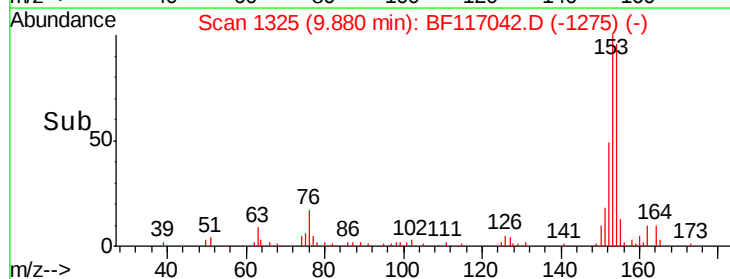
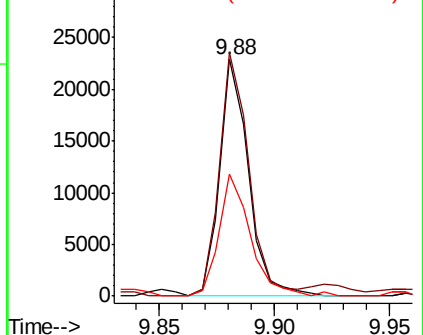


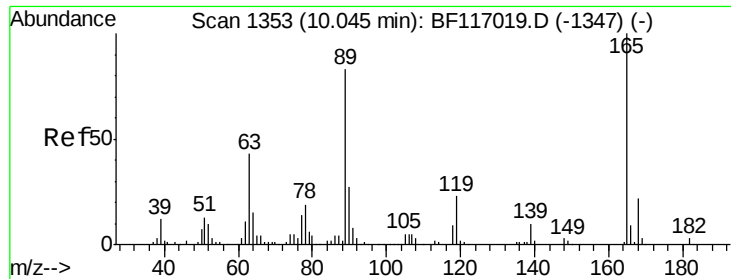
#52
 Acenaphthene
 Concen: 2.500 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	102.9	89.0	133.6
152	51.7	41.9	62.9



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

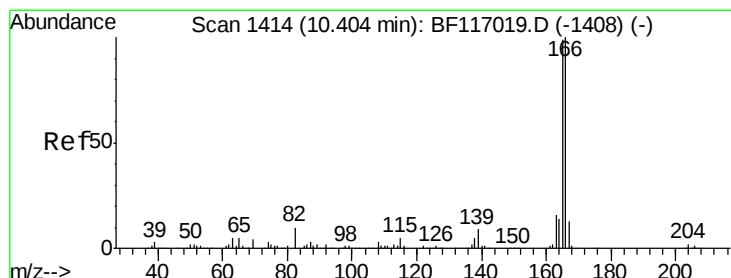
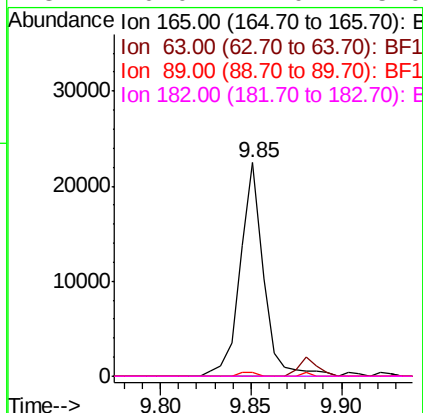
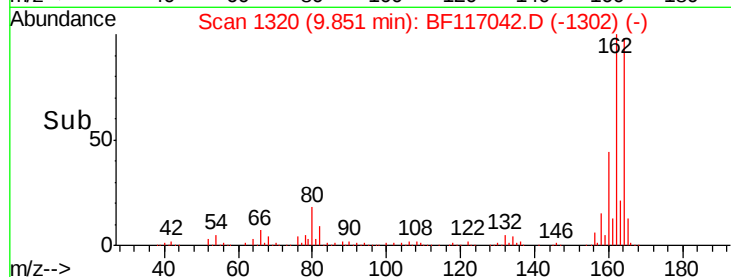
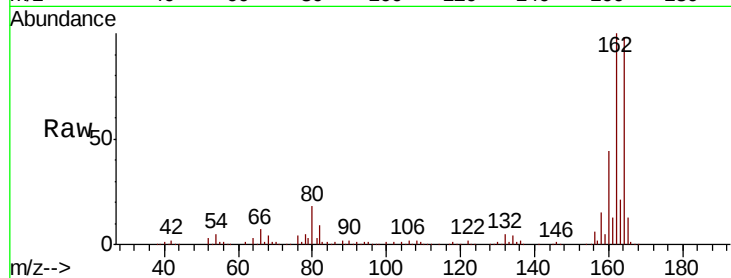




#57
 2,4-Dinitrotoluene
 Concen: 7.480 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

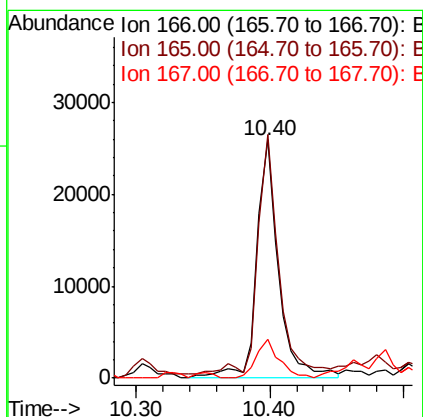
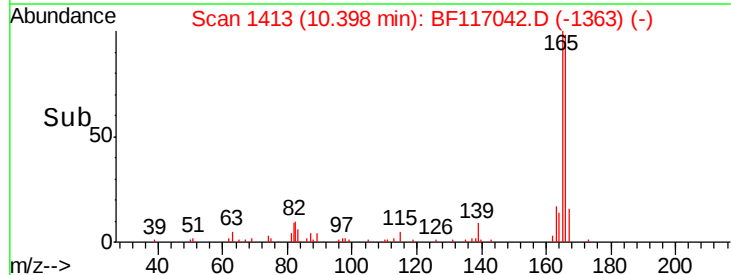
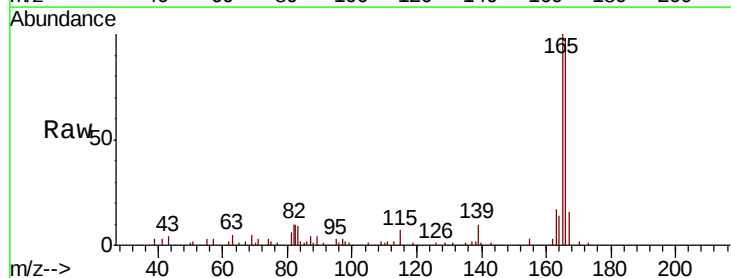
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

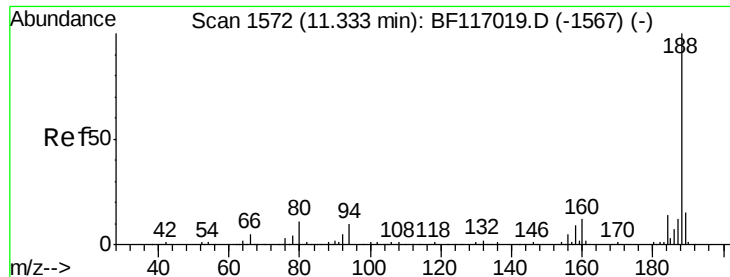
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	1.9	66.1	99.1#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 3.089 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.2	78.9	118.3
167	16.4	10.6	15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

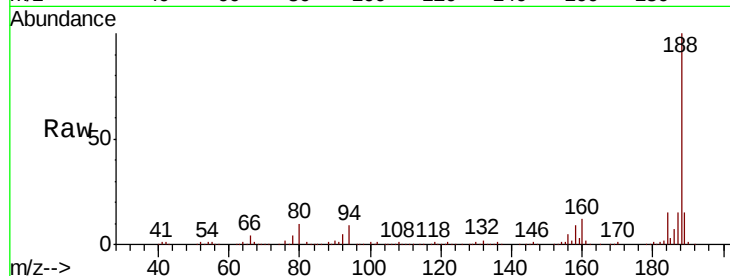
Tot Ion:188 Resp: 196900

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

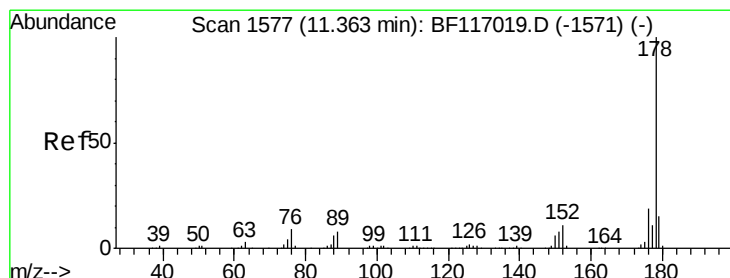
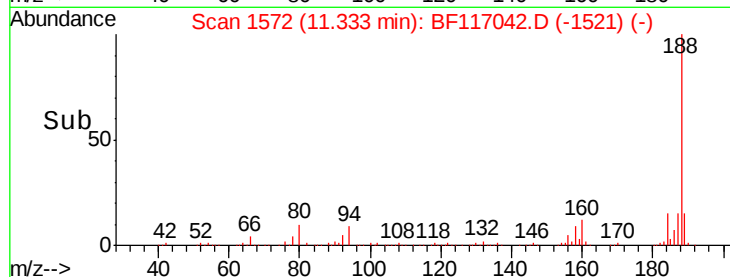
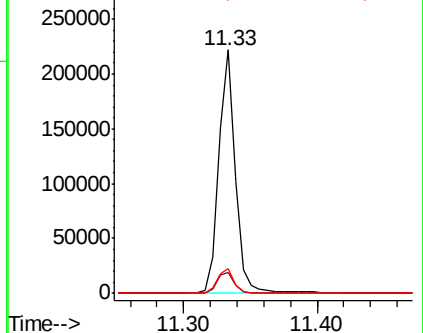
80 10.0 9.0 13.6



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



#71

Phenanthrene

Concen: 19.298 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

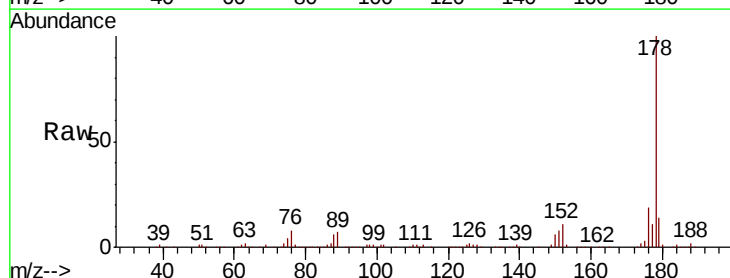
Tgt Ion:178 Resp: 215829

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

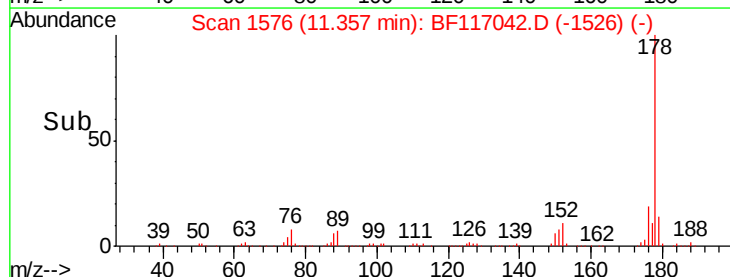
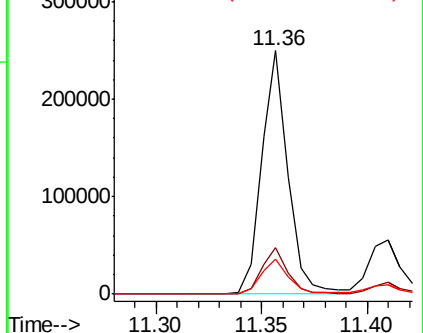
179 14.5 12.4 18.6

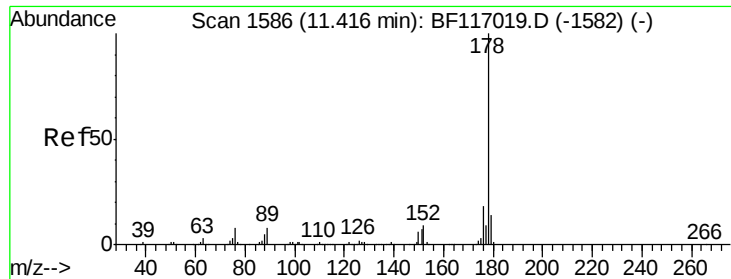


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.609 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

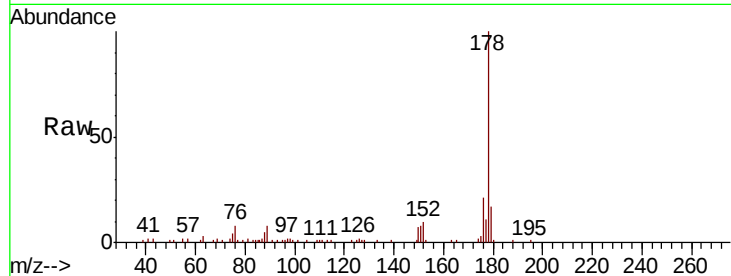
BNA_F

ClientSampleId :

DFTPP

Tot Ion:178 Resp: 64039

Ion	Ratio	Lower	Upper
178	100		
176	21.1	14.6	21.8
179	16.9	11.6	17.4



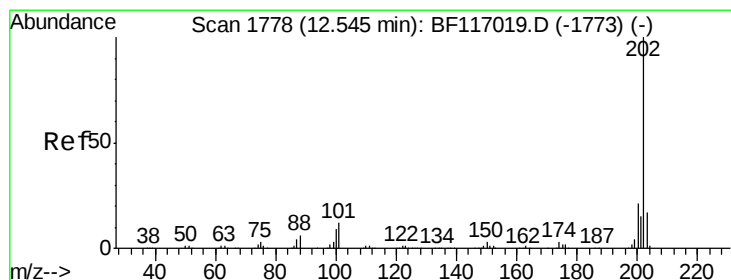
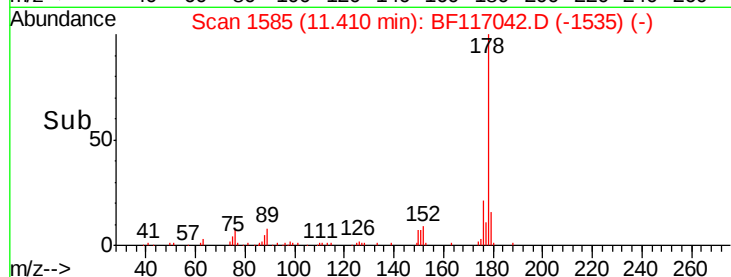
Abundance

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

Time-->



#75

Fluoranthene

Concen: 23.471 ng

RT: 12.54 min Scan# 1778

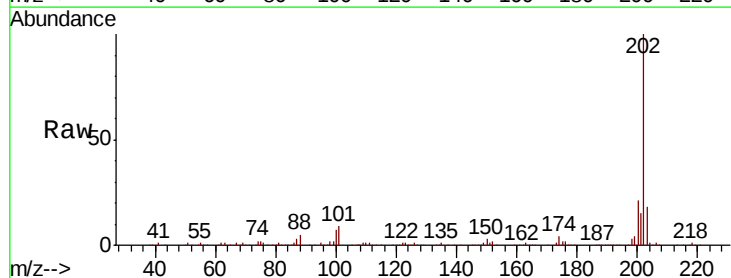
Delta R.T. 0.00 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Tgt Ion:202 Resp: 269716

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.3
203	17.7	0.0	37.1



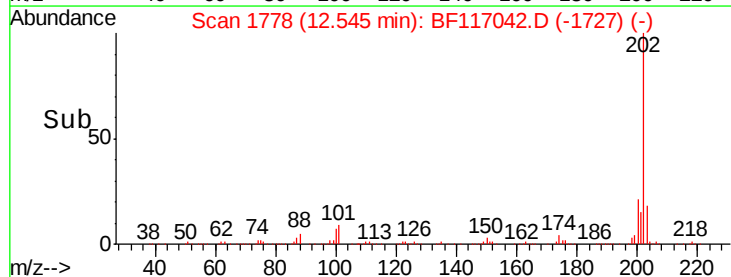
Abundance

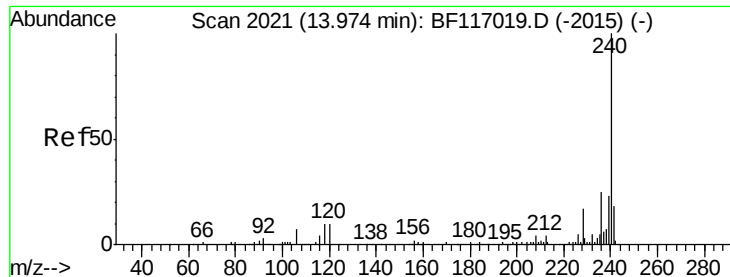
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->

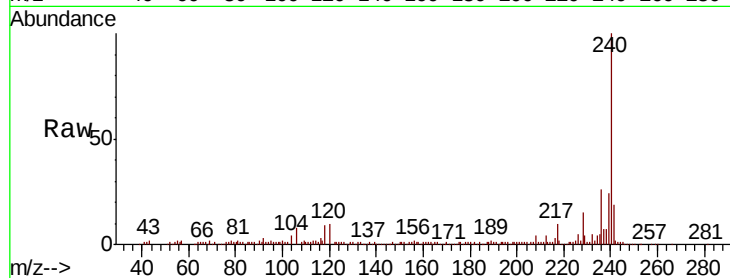




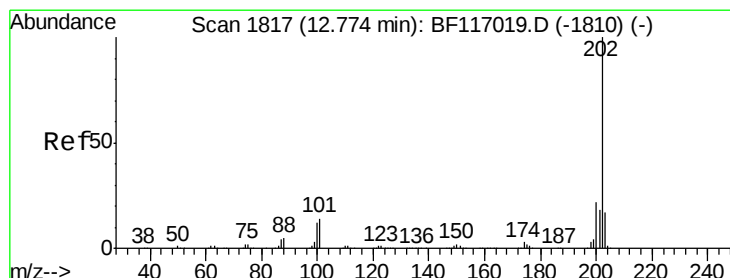
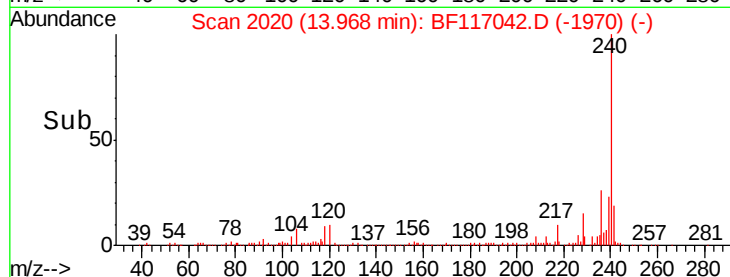
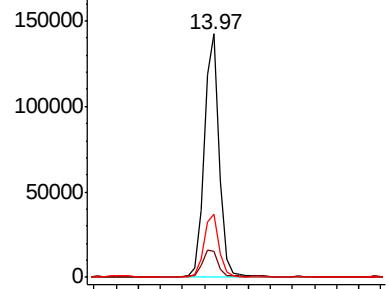
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tot Ion:240 Resp: 135435
Ion Ratio Lower Upper
240 100
120 10.5 8.3 12.5
236 26.2 20.3 30.5

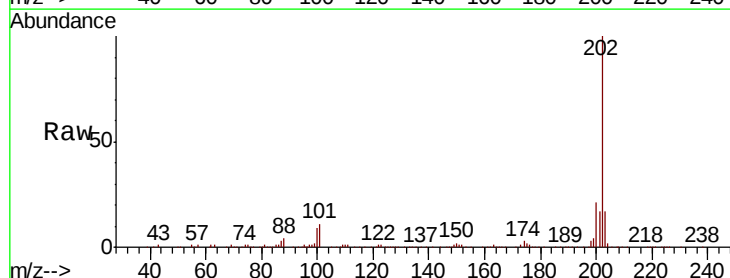


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

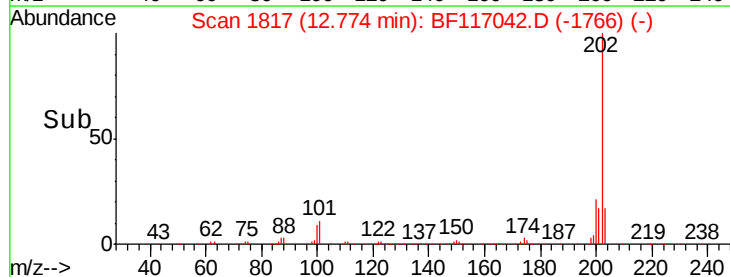
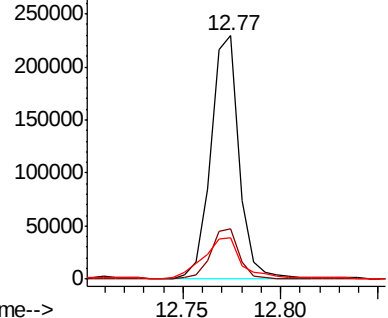


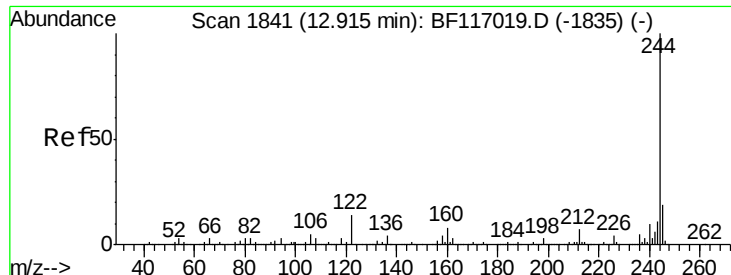
#78
Pyrene
Concen: 20.258 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:202 Resp: 230208
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.0 14.0 21.0



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

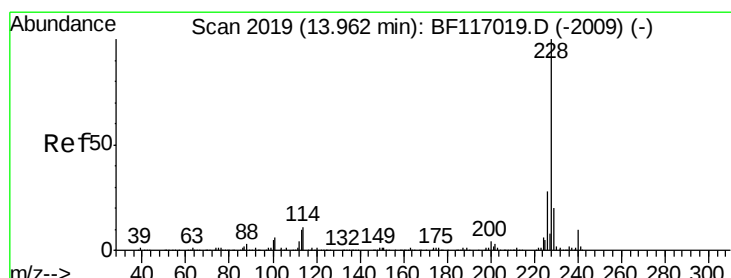
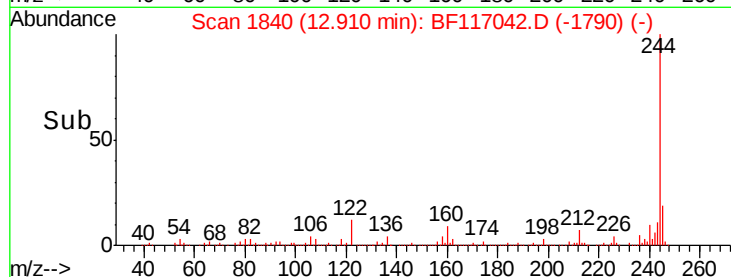
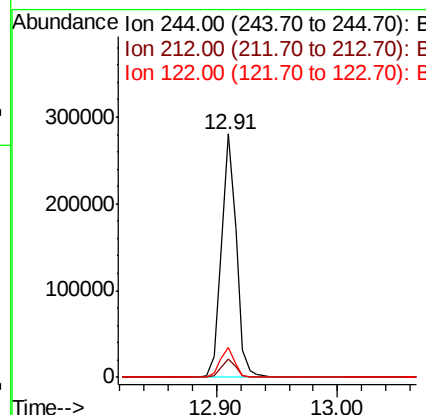
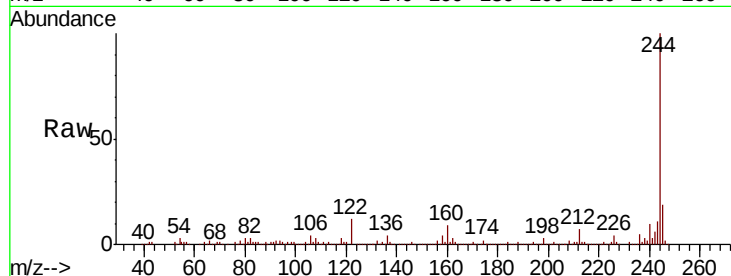




#79
 Terphenyl-d14
 Concen: 32.312 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

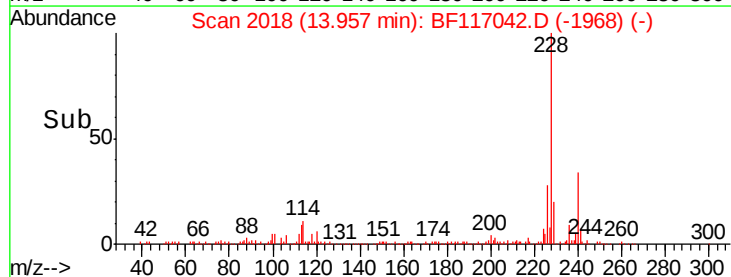
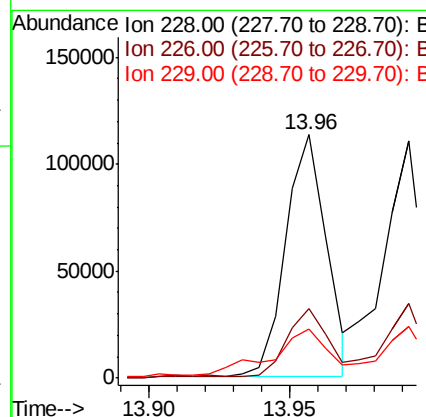
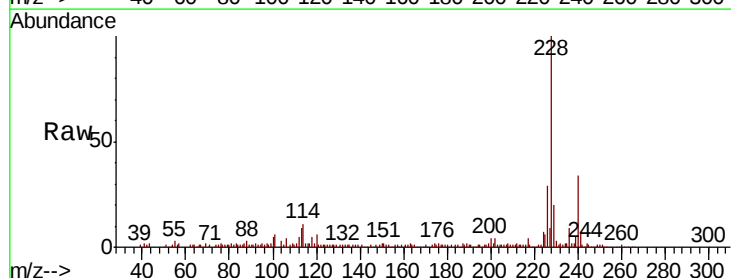
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

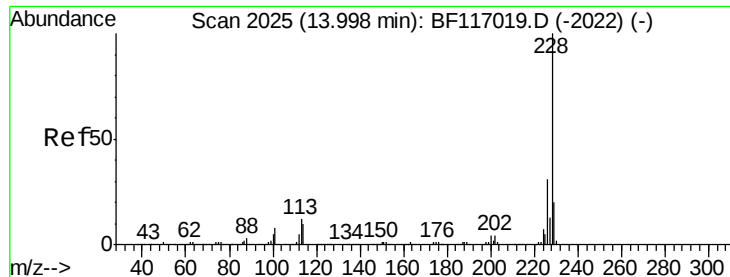
Tot Ion:244 Resp: 234117
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.8 8.8
 122 12.4 11.3 16.9



#81
 Benzo(a)anthracene
 Concen: 12.448 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion:228 Resp: 112637
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.3 33.5
 229 20.4 15.9 23.9





#83

Chrysene

Concen: 11.360 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

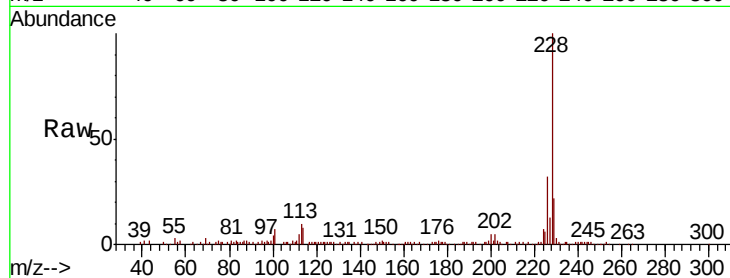
Tot Ion:228 Resp: 100257

Ion Ratio Lower Upper

228 100

226 31.6 24.8 37.2

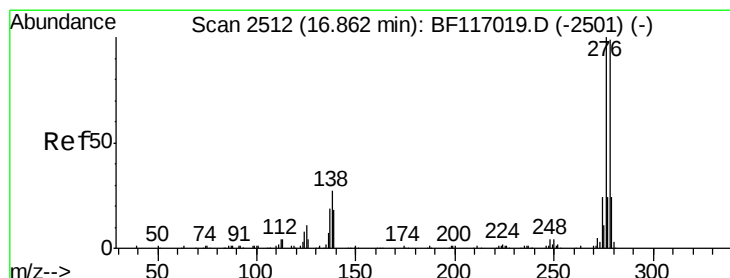
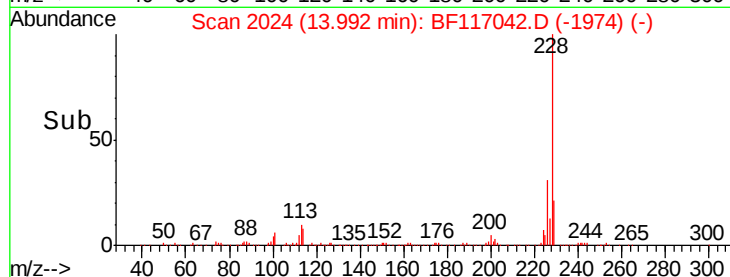
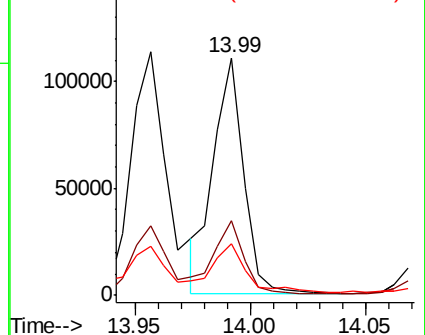
229 21.9 15.8 23.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.759 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

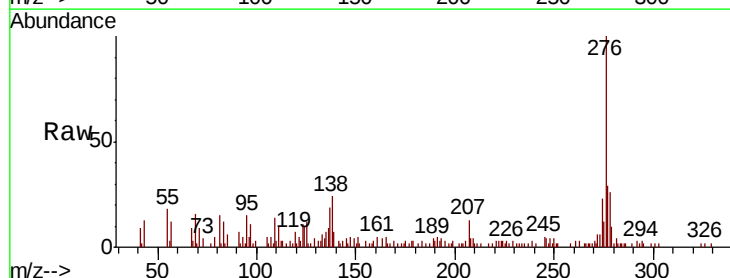
Tgt Ion:276 Resp: 37078

Ion Ratio Lower Upper

276 100

138 21.8 20.7 31.1

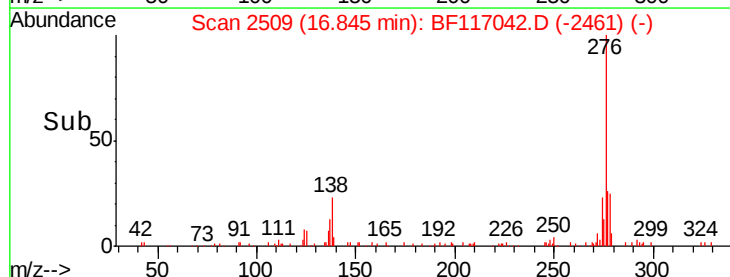
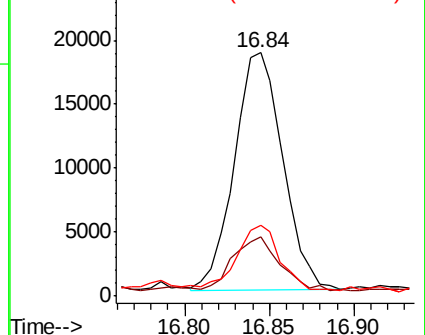
277 24.3 19.8 29.8

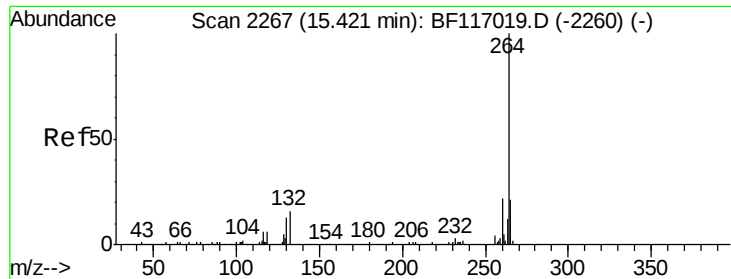


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

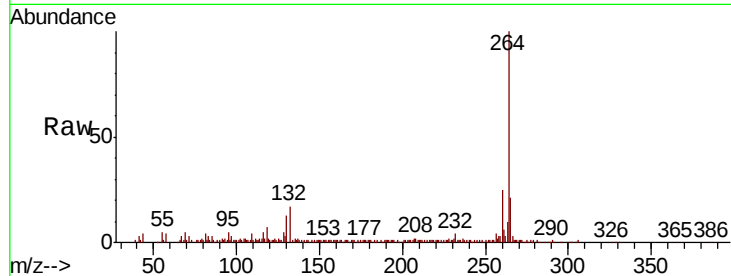
Tot Ion:264 Resp: 124845

Ion Ratio Lower Upper

264 100

260 24.8 17.6 26.4

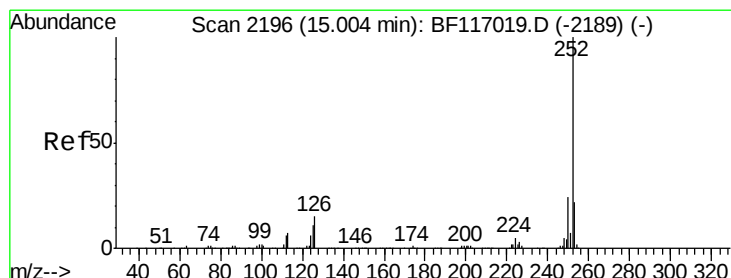
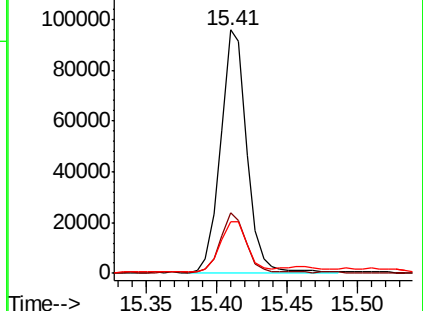
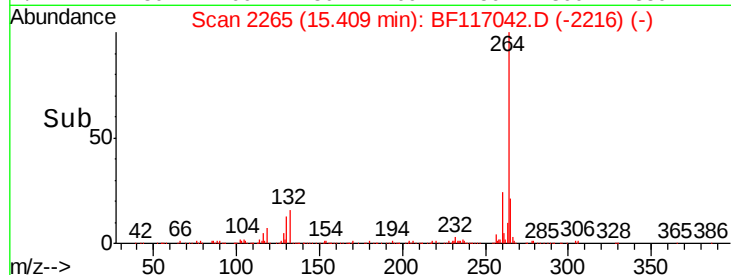
265 21.2 16.6 24.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 20.026 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

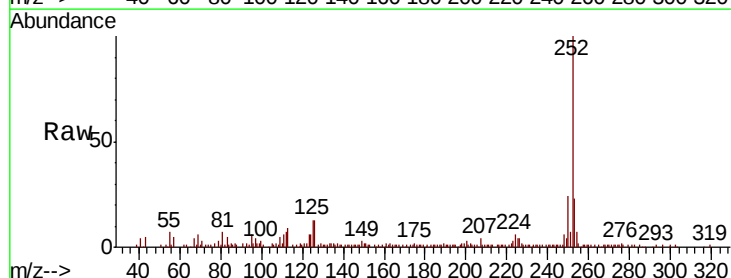
Tgt Ion:252 Resp: 151444

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

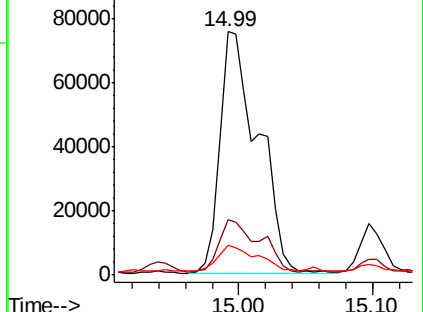
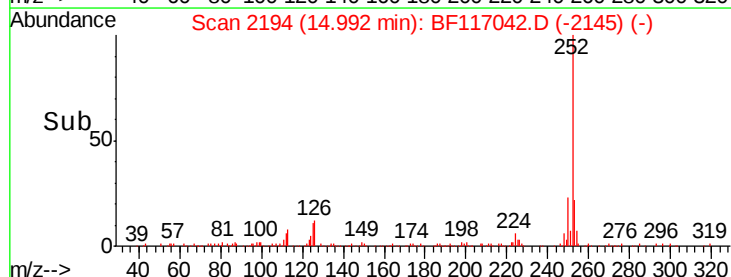
125 12.5 8.6 12.8

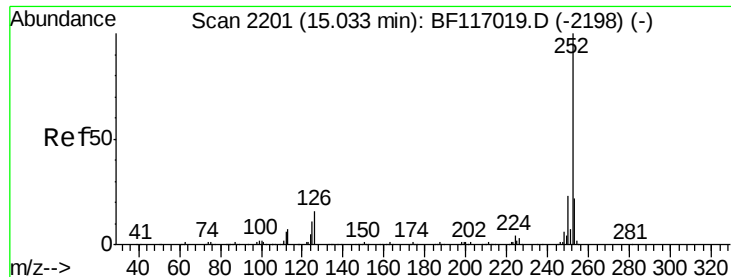


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 21.141 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.04 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

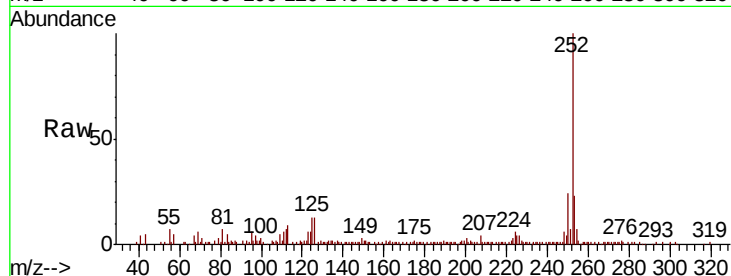
Tot Ion:252 Resp: 151444

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

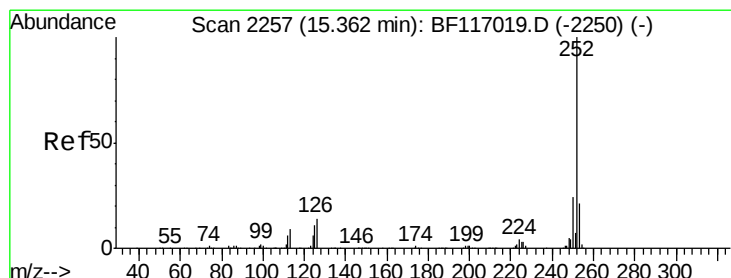
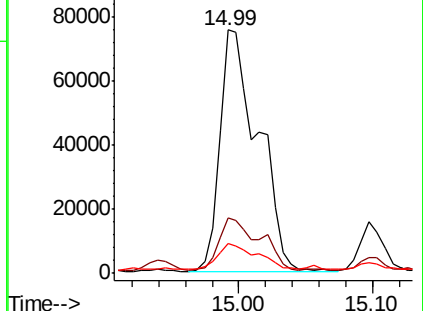
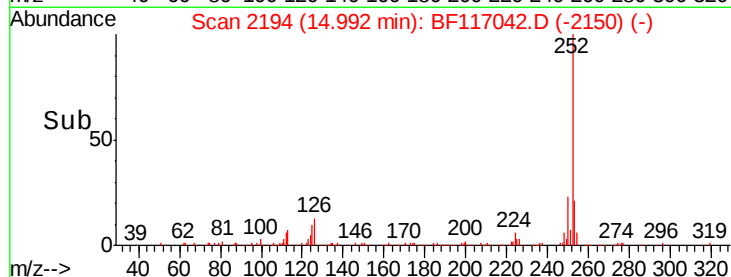
125 12.5 8.8 13.2



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



#90

Benzo(a)pyrene

Concen: 11.613 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

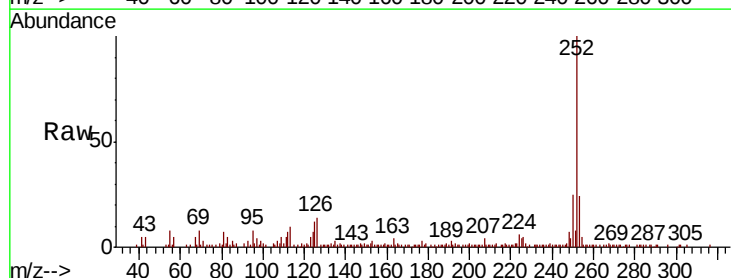
Tgt Ion:252 Resp: 77063

Ion Ratio Lower Upper

252 100

253 23.8 16.6 25.0

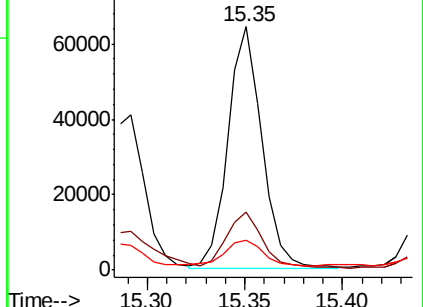
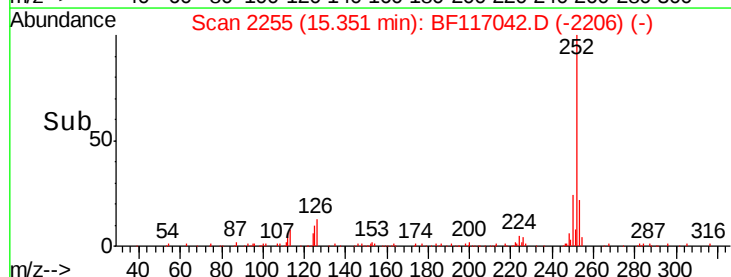
125 12.4 8.9 13.3

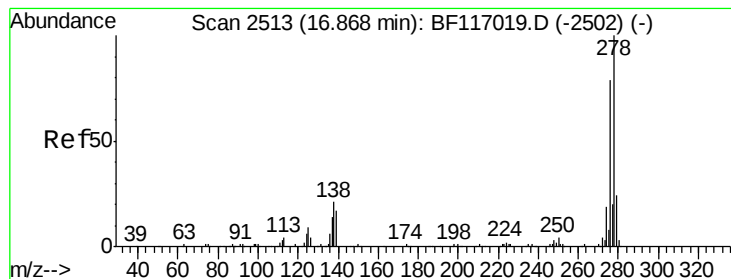


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.532 ng

RT: 16.85 min Scan# 2510

Delta R.T. -0.02 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

DFTPP

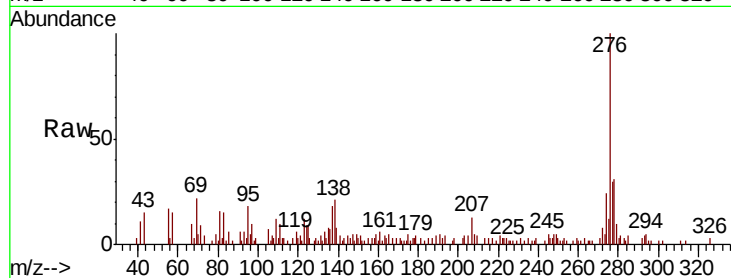
Tot Ion:278 Resp: 13388

Ion Ratio Lower Upper

278 100

139 25.3 13.5 20.3#

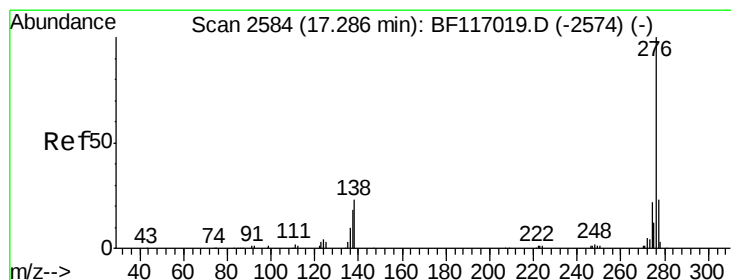
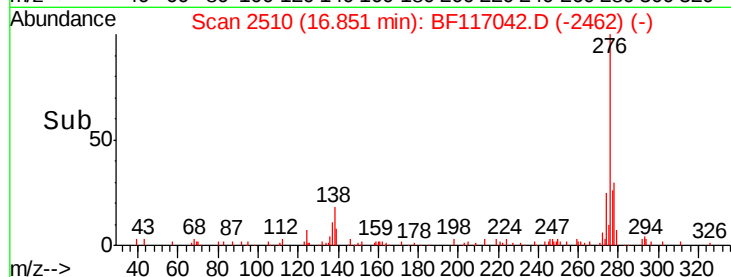
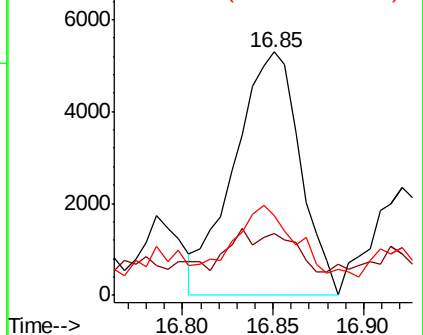
279 32.8 18.8 28.2#



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: 7.587 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

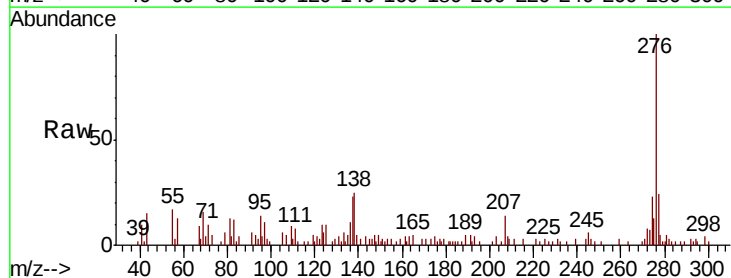
Tgt Ion:276 Resp: 39966

Ion Ratio Lower Upper

276 100

277 24.3 18.6 27.8

138 25.3 18.0 27.0



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

