

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117133.D
 Acq On : 18 Sep 2019 3:04
 Operator : HP/JU
 Sample : K4924-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

Quant Time: Sep 18 05:27:07 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	58436	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	242019	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	123980	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	187754	20.00	ng	0.00
76) Chrysene-d12	13.97	240	127180	20.00	ng	0.00
87) Perylene-d12	15.42	264	131340	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	343405	91.75	ng	0.00
7) Phenol-d6	6.46	99	481413	99.52	ng	0.00
23) Nitrobenzene-d5	7.38	82	299370	64.99	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	96815	93.43	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	553718	69.83	ng	0.00
79) Terphenyl-d14	12.91	244	448831	65.97	ng	0.00

Target Compounds

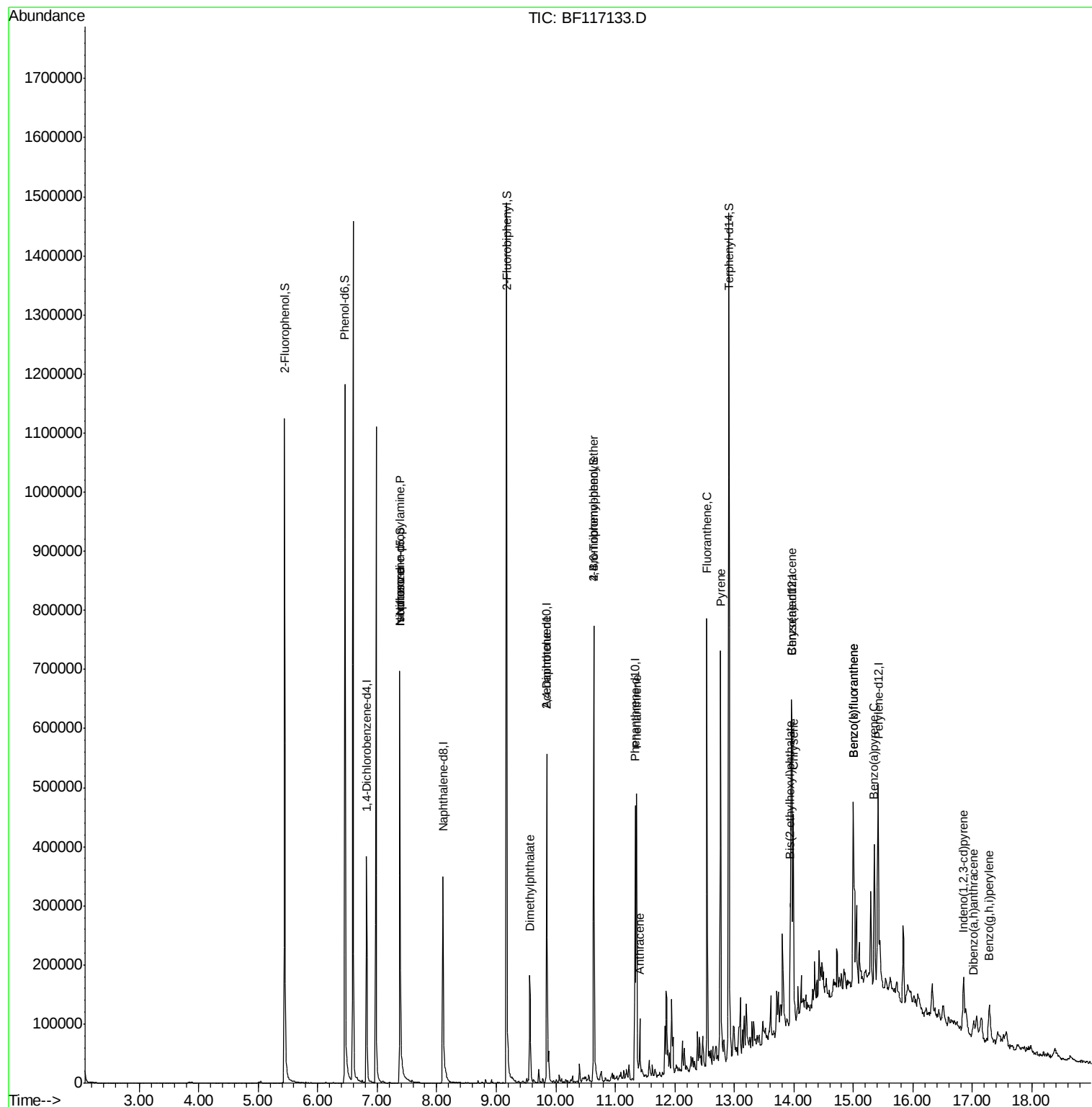
						Qvalue
9) Benzaldehyde	6.46	77	811	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	40105	13.616 ng	#	79
25) Isophorone	7.38	82	299394	36.710 ng	#	66
50) Dimethylphthalate	9.56	163	90867	10.351 ng		98
57) 2,4-Dinitrotoluene	9.85	165	16104	6.939 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	6030	3.145 ng	#	1
71) Phenanthrene	11.36	178	189431	17.763 ng		99
72) Anthracene	11.41	178	50413	4.630 ng		97
75) Fluoranthene	12.54	202	324581	29.622 ng		99
78) Pyrene	12.77	202	301769	28.278 ng		99
81) Benzo(a)anthracene	13.96	228	151293	17.805 ng		99
83) Chrysene	13.99	228	140147	16.911 ng		98
84) Bis(2-ethylhexyl)phthalate	13.94	149	47216	7.262 ng		99
86) Indeno(1,2,3-cd)pyrene	16.85	276	56969	9.422 ng		92
88) Benzo(b)fluoranthene	15.00	252	222475	27.964 ng		99
89) Benzo(k)fluoranthene	15.00	252	222475	29.521 ng		99
90) Benzo(a)pyrene	15.35	252	114753	16.437 ng	#	92
91) Dibenzo(a,h)anthracene	17.02	278	12008	2.159 ng		94
92) Benzo(a,h,i)perylene	17.28	276	52310	9.439 ng		97

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

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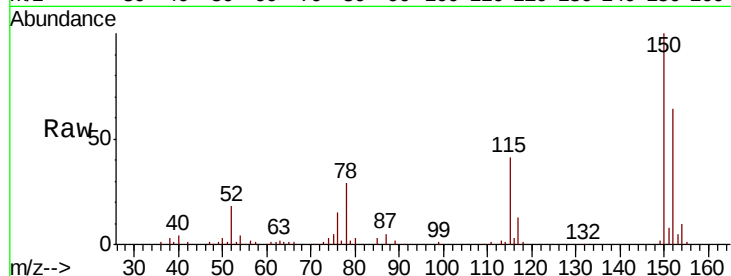


#1

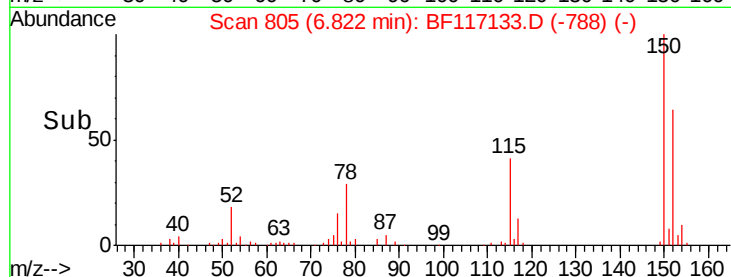
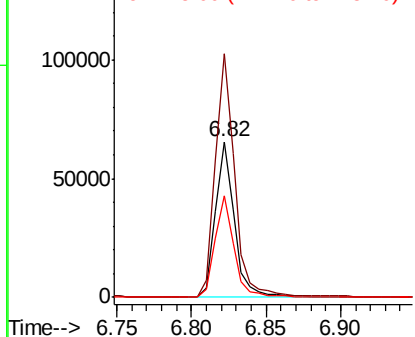
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion:152 Resp: 58436
Ion Ratio Lower Upper
152 100
150 156.3 127.5 191.3
115 64.8 55.0 82.4



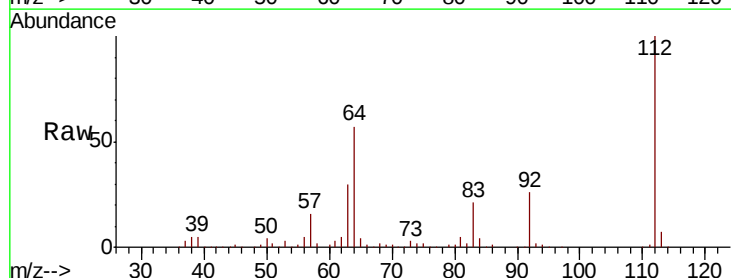
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



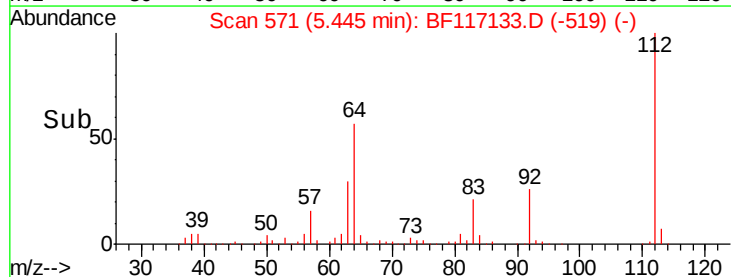
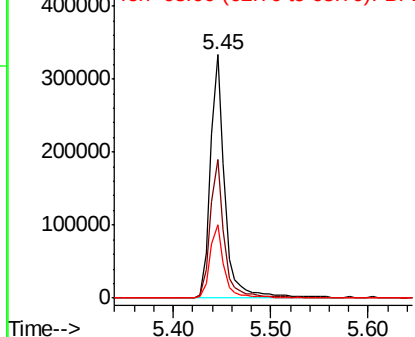
#5

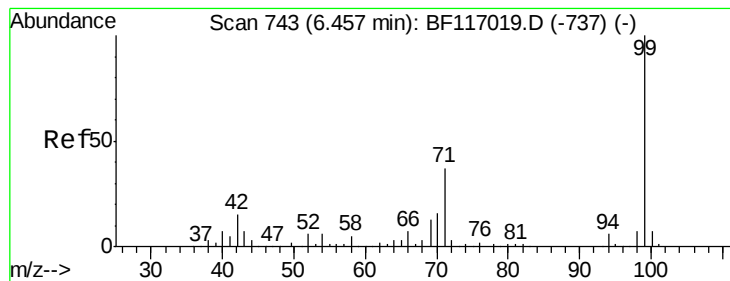
2-Fluorophenol
Concen: 91.748 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion:112 Resp: 343405
Ion Ratio Lower Upper
112 100
64 56.7 45.7 68.5
63 30.2 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: 99.523 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

ClientSampleId :

SB-52-COMP

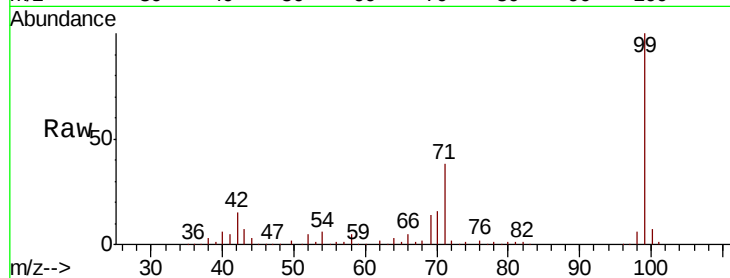
Tot Ion: 99 Resp: 481413

Ion Ratio Lower Upper

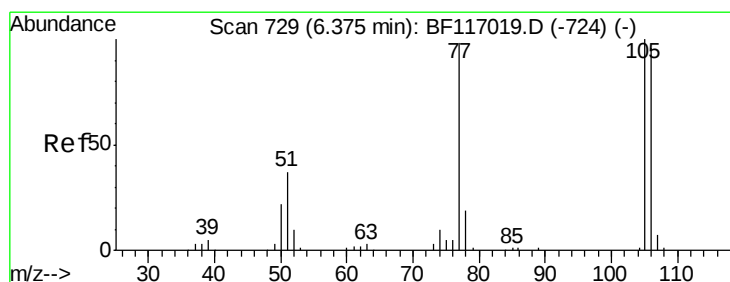
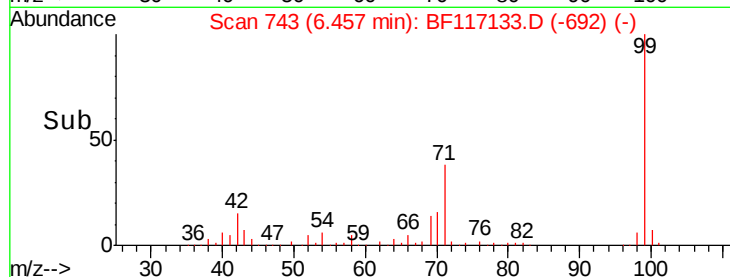
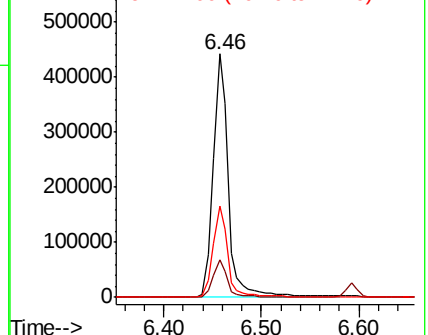
99 100

42 15.4 12.2 18.2

71 37.7 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: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

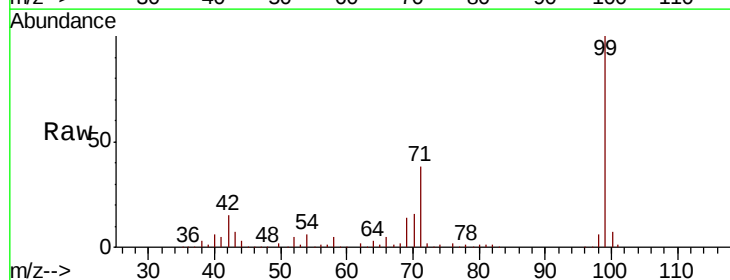
Tgt Ion: 77 Resp: 811

Ion Ratio Lower Upper

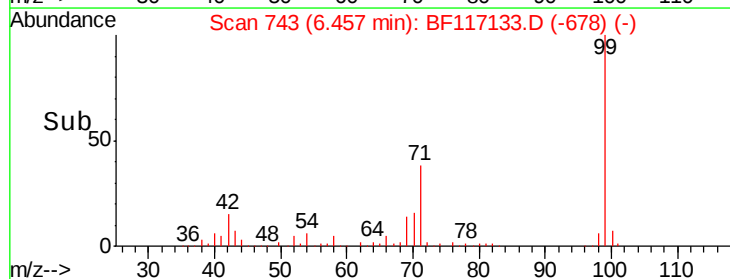
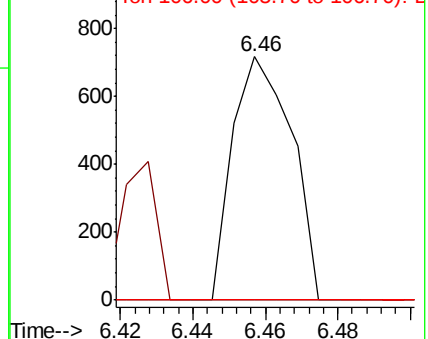
77 100

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: 13.616 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

ClientSampleId :

SB-52-COMP

Tot Ion: 70 Resp: 40105

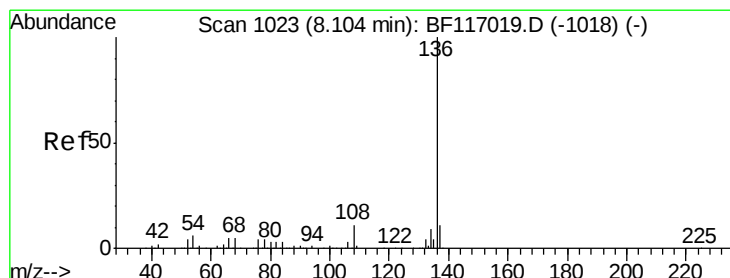
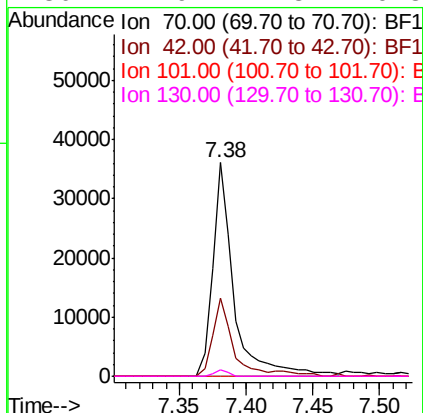
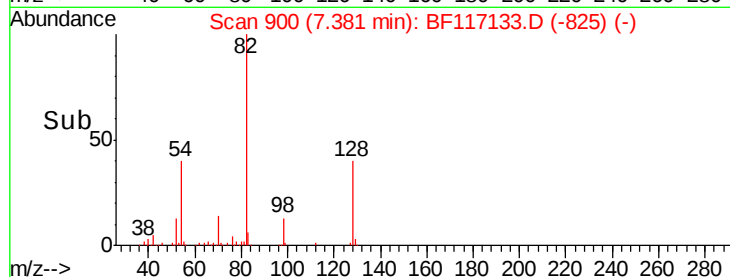
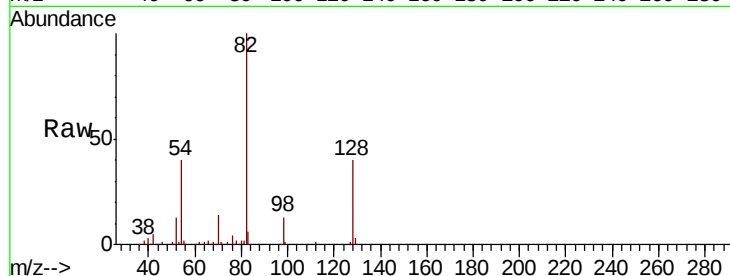
Ion Ratio Lower Upper

70 100

42 36.8 34.0 51.0

101 0.0 7.8 11.6#

130 2.9 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: BF117133.D

Acq: 18 Sep 2019 3:04

Tgt Ion: 136 Resp: 242019

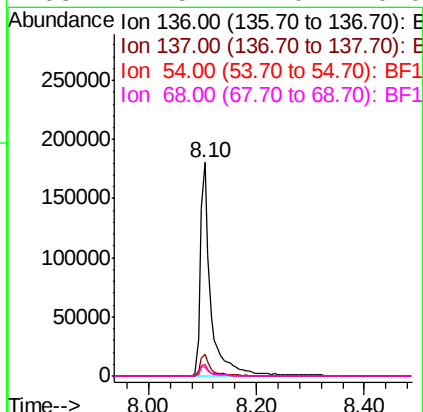
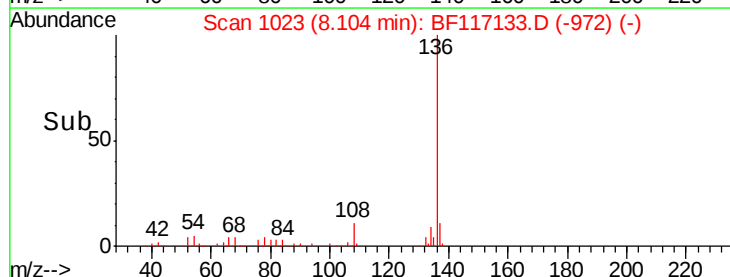
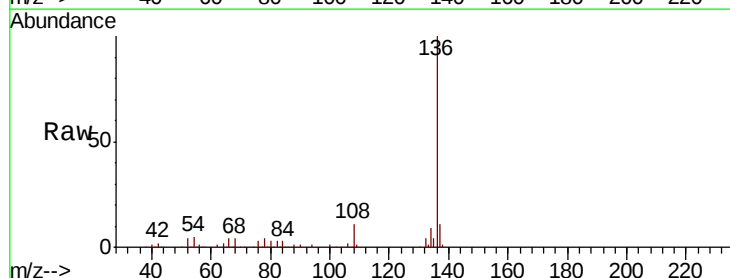
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 5.3 4.5 6.7

68 4.5 4.0 6.0

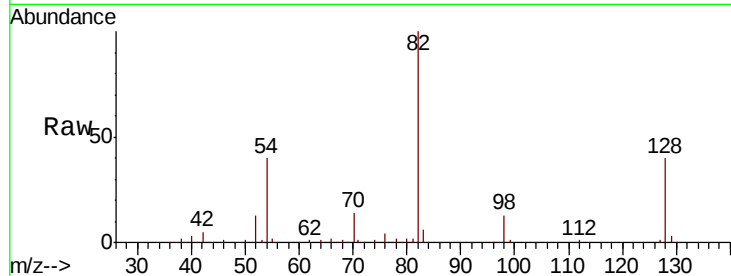




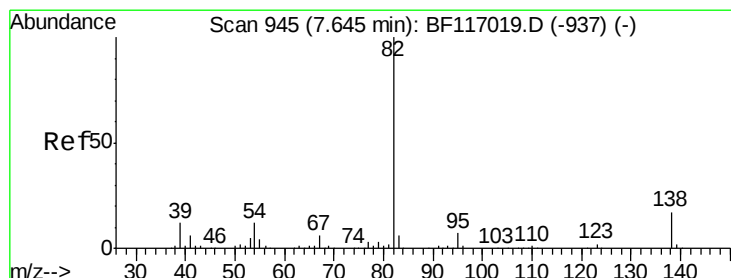
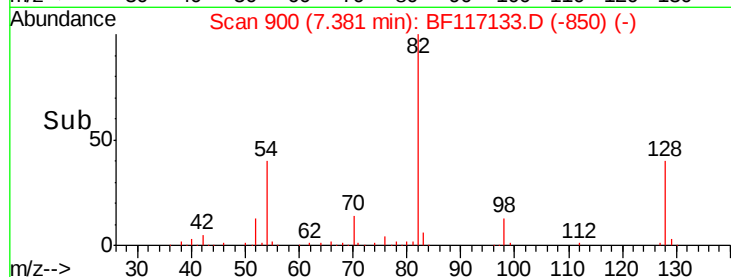
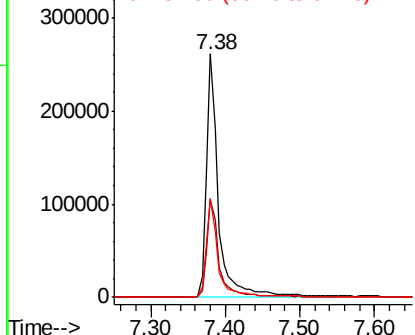
#23
 Nitrobenzene-d5
 Concen: 64.993 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

Tot Ion	82	Resp	299370
Ion Ratio	Lower	Upper	
82	100		
128	40.4	32.3	48.5
54	40.5	33.3	49.9

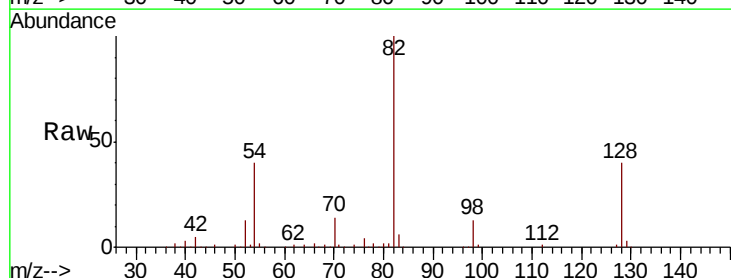


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

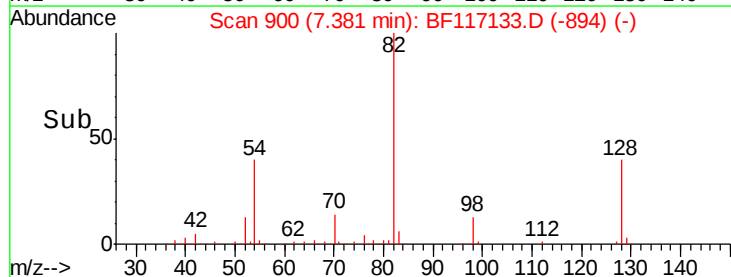
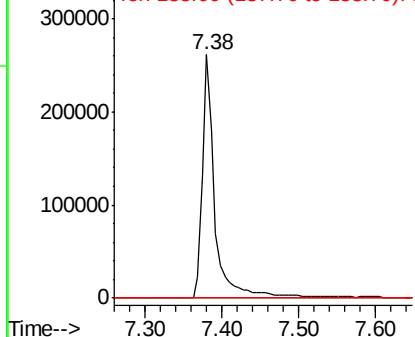


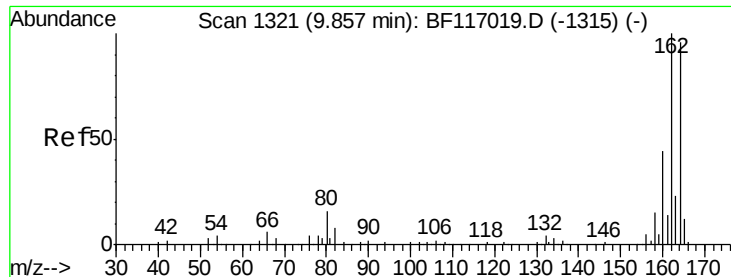
#25
 Isophorone
 Concen: 36.710 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Tgt Ion	82	Resp	299394
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

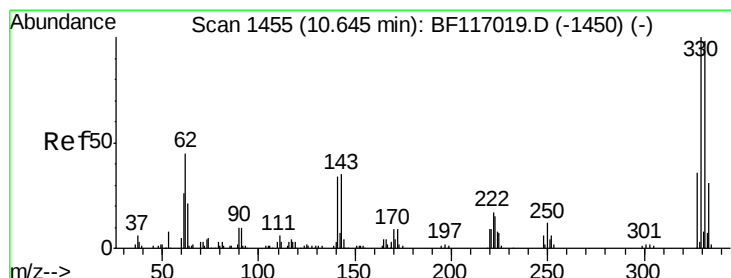
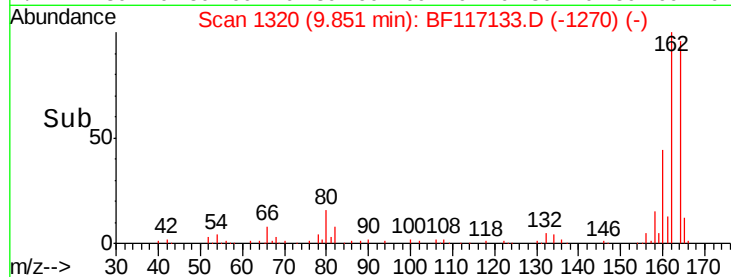
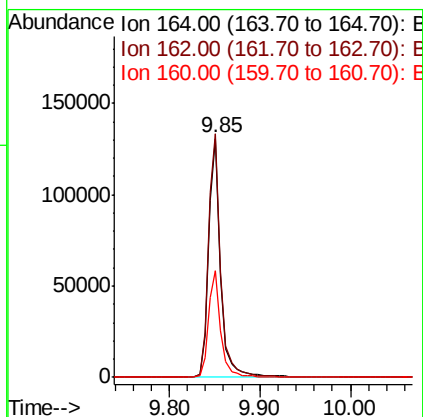
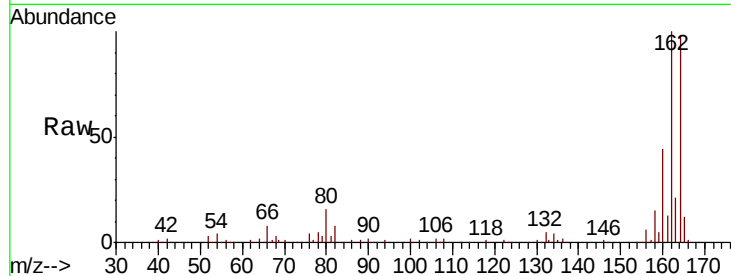




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

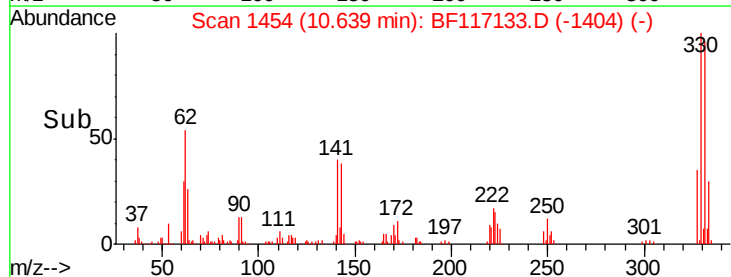
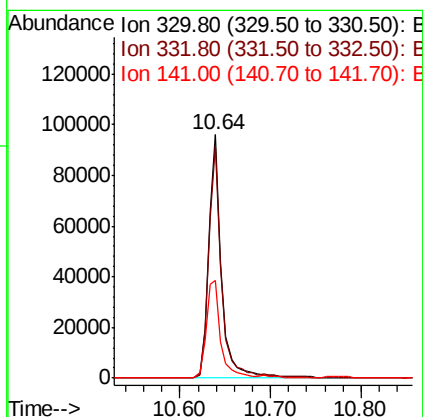
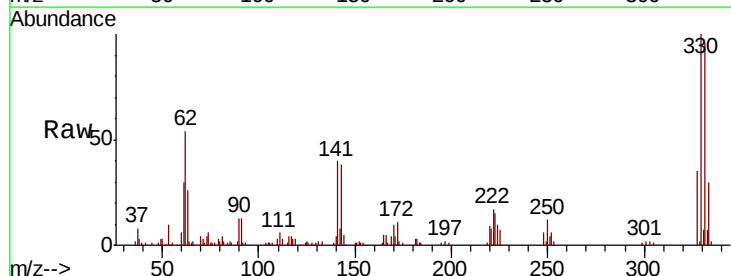
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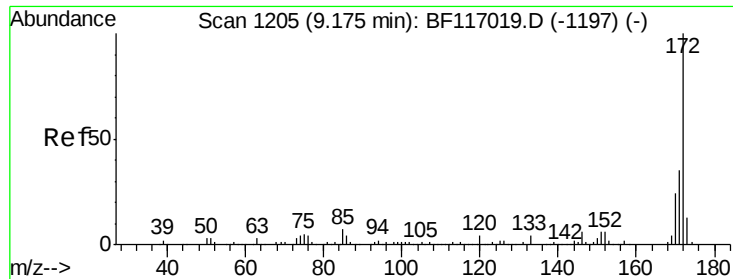
Tot Ion:164 Resp: 123980
Ion Ratio Lower Upper
164 100
162 102.0 83.4 125.2
160 44.5 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 93.434 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion:330 Resp: 96815
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 44.7 35.8 53.6

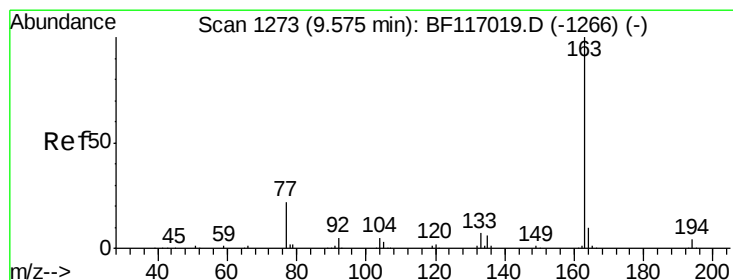
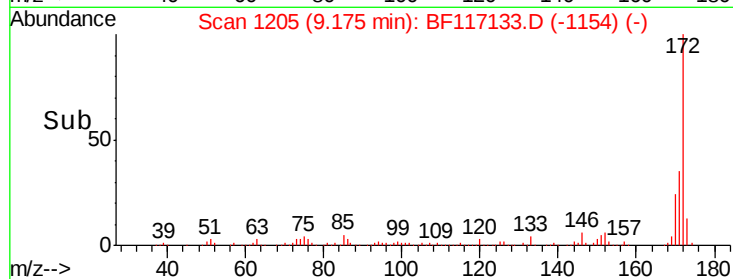
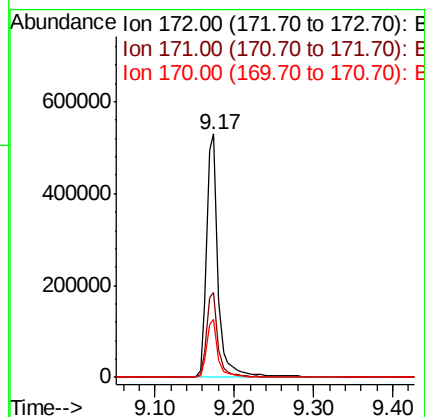
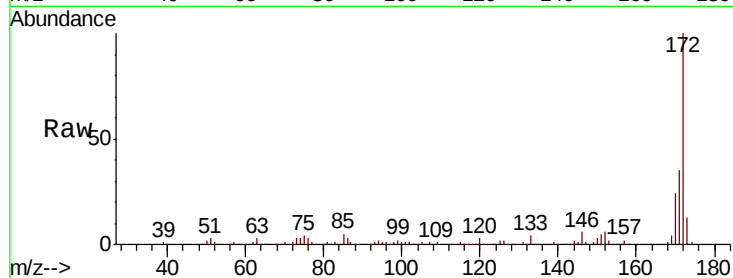




#45
 2-Fluorobiphenyl
 Concen: 69.832 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

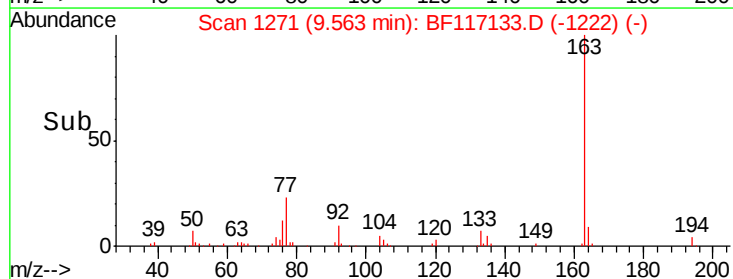
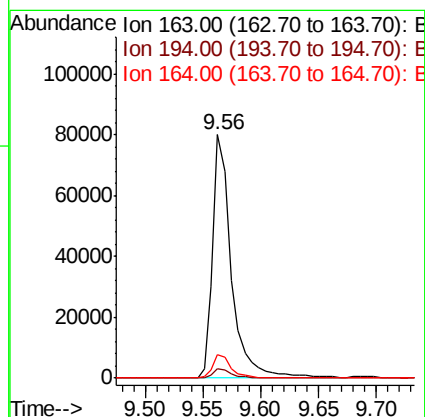
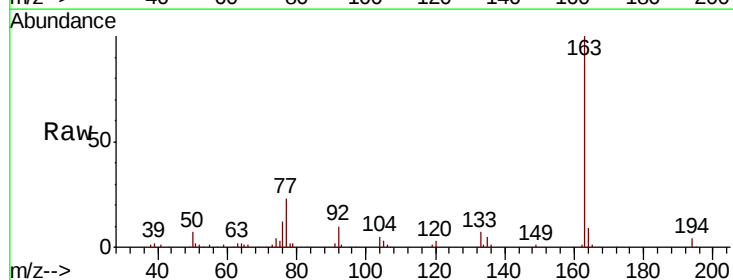
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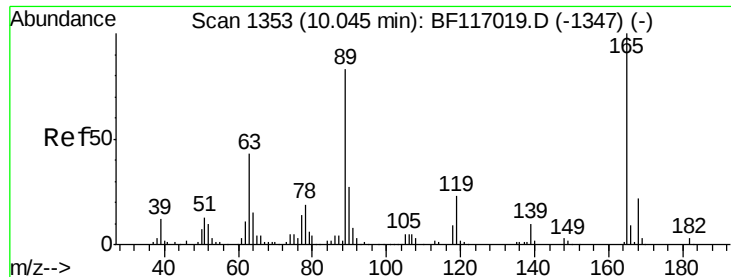
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.7	18.9	28.3



#50
 Dimethylphthalate
 Concen: 10.351 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	9.5	8.2	12.4

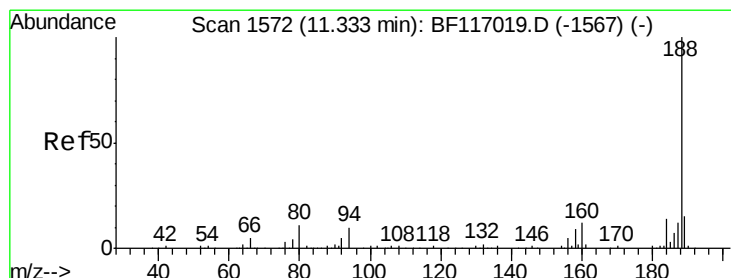
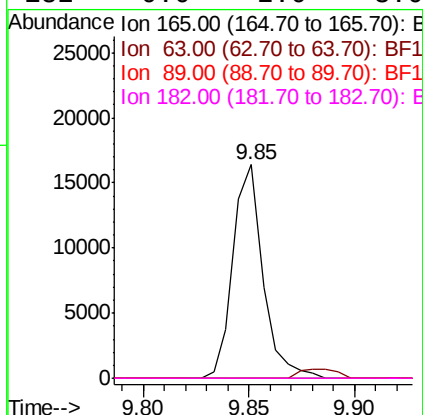
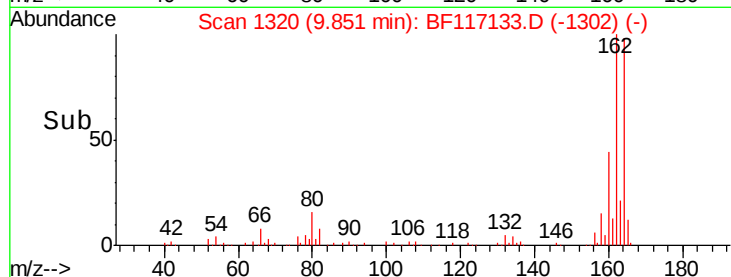
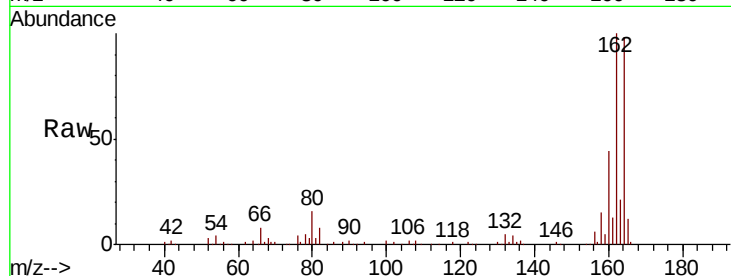




#57
 2,4-Dinitrotoluene
 Concen: 6.939 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

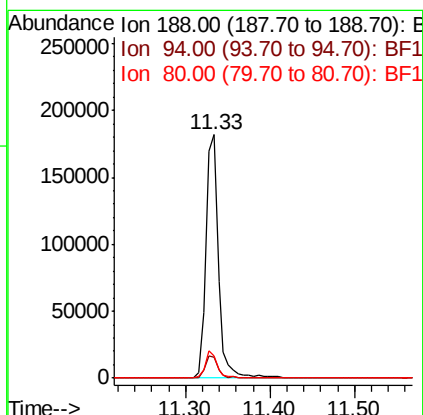
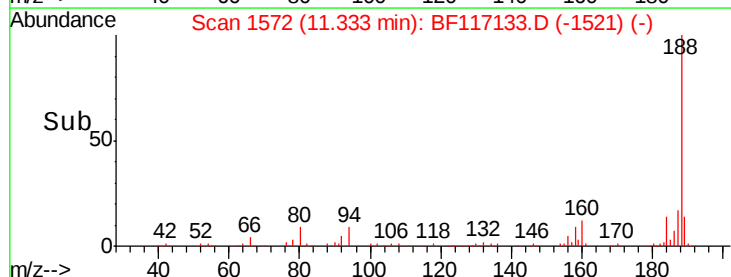
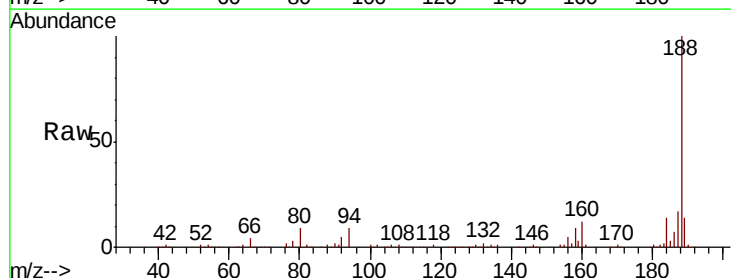
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

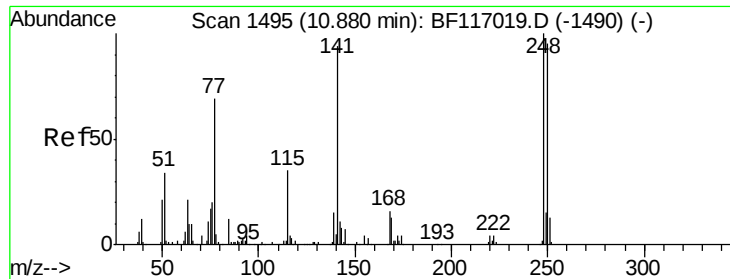
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.2	12.2
80	8.9	9.0	13.6#

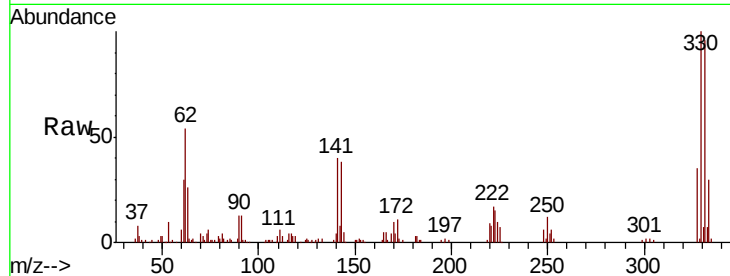




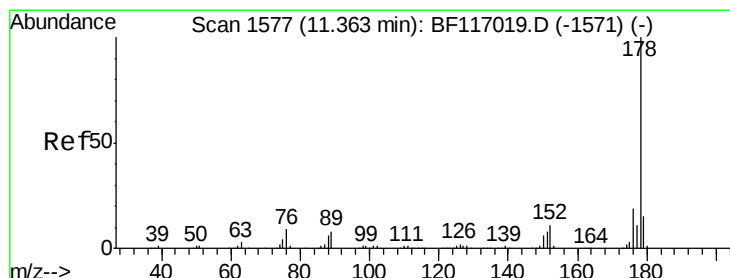
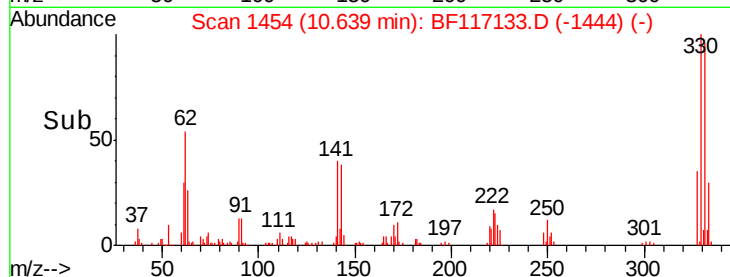
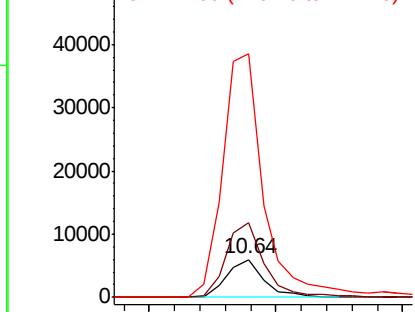
#67
 4-Bromophenyl-phenylether
 Concen: 3.145 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

Tot Ion:248 Resp: 6030
 Ion Ratio Lower Upper
 248 100
 250 198.6 76.2 114.4#
 141 644.7 75.0 112.4#

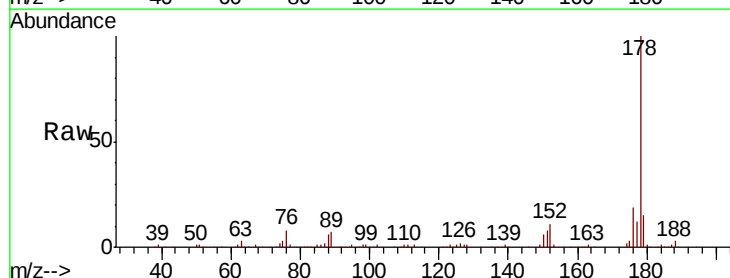


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

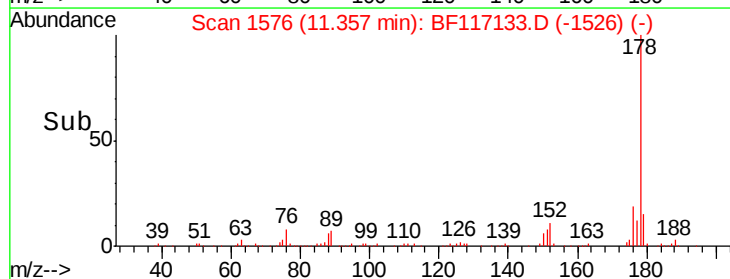
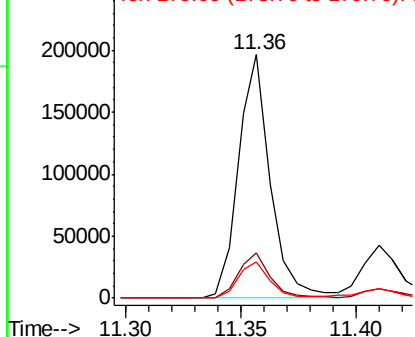


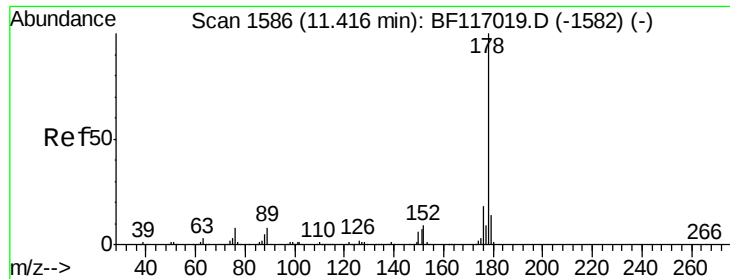
#71
 Phenanthrene
 Concen: 17.763 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Tgt Ion:178 Resp: 189431
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.1 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: 4.630 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

ClientSampleId :

SB-52-COMP

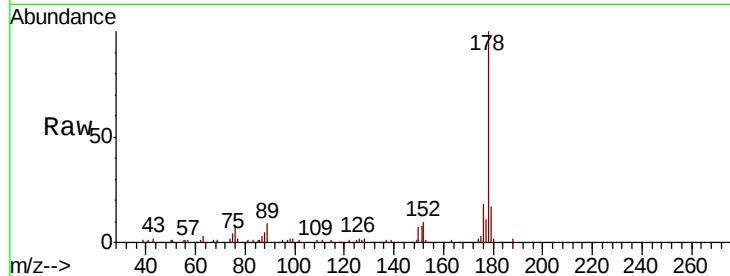
Tot Ion:178 Resp: 50413

Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

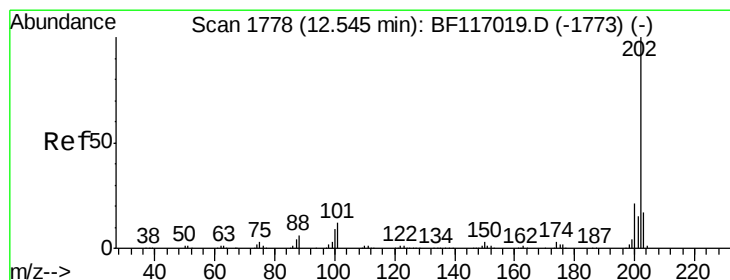
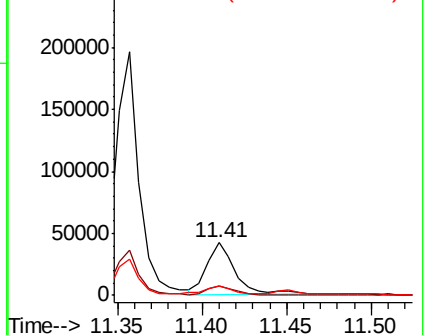
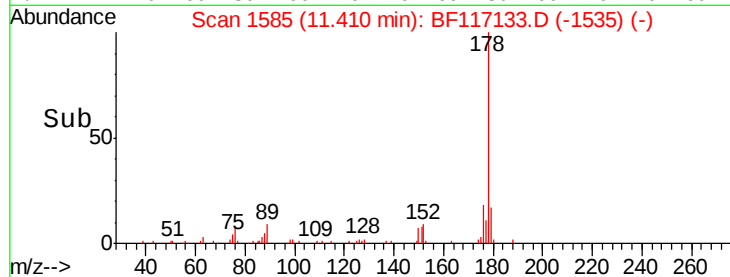
179 16.9 11.6 17.4



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



#75

Fluoranthene

Concen: 29.622 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

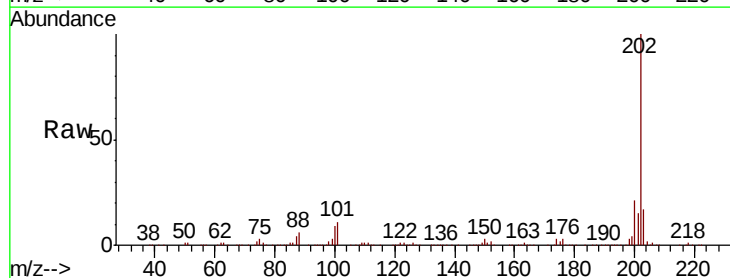
Tgt Ion:202 Resp: 324581

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.3

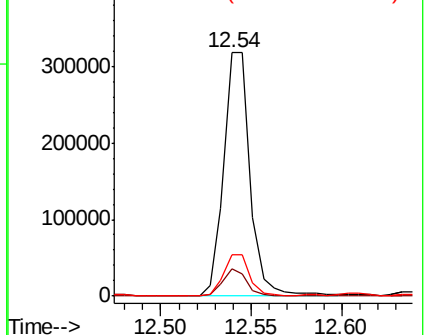
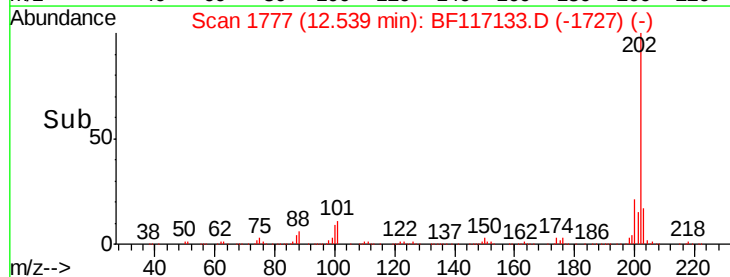
203 17.2 0.0 37.1

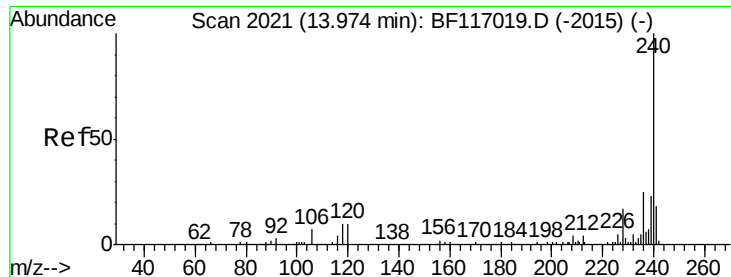


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

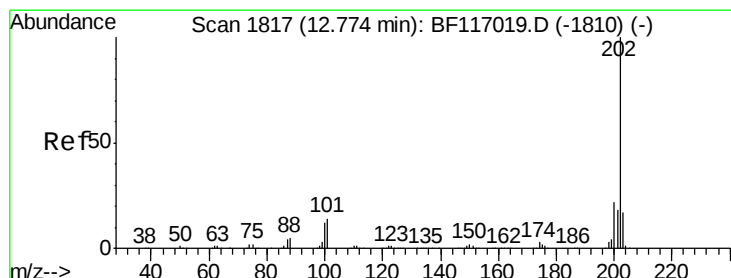
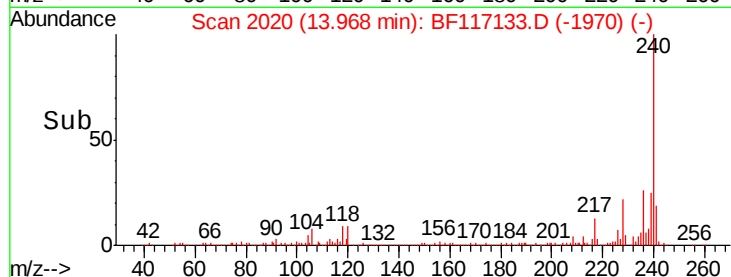
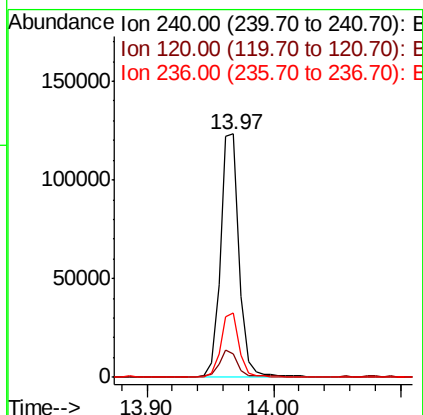
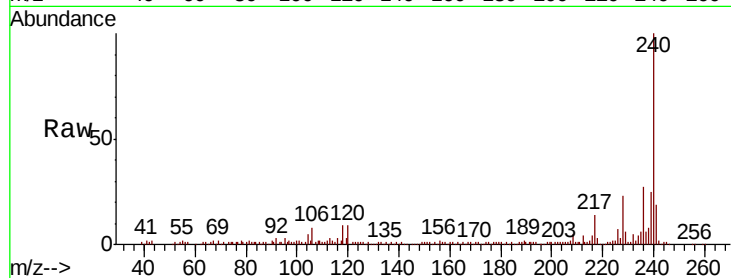




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

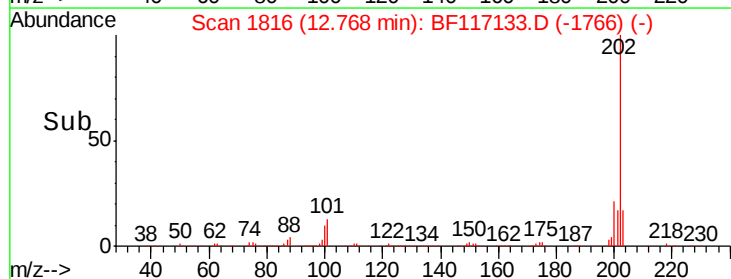
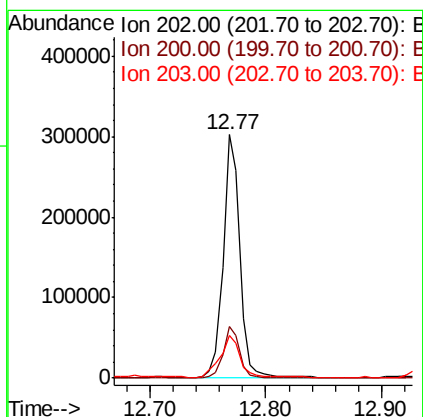
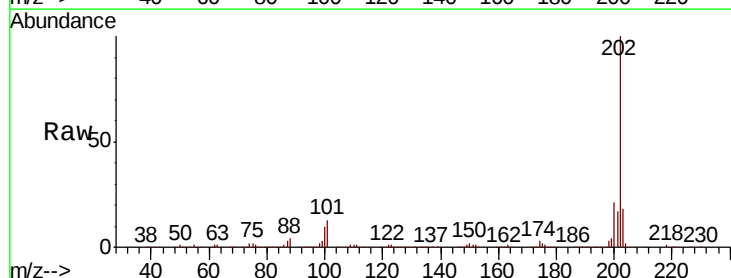
Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

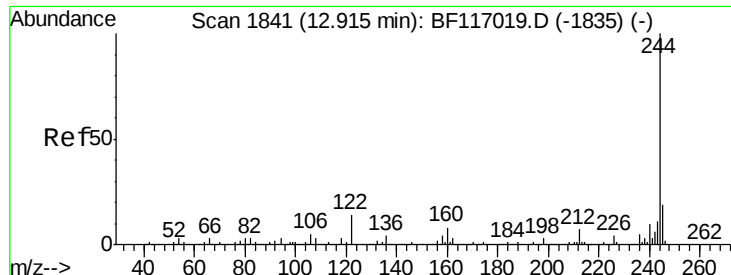
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.3	12.5
236	26.6	20.3	30.5



#78
Pyrene
Concen: 28.278 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.8	14.0	21.0

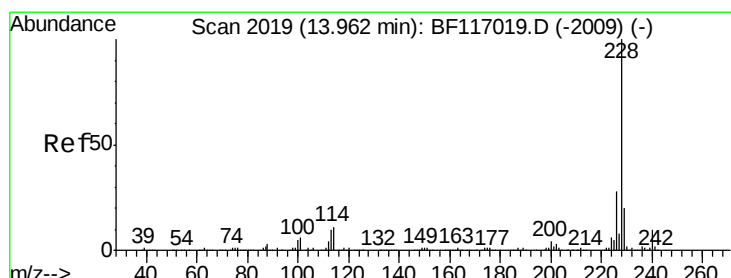
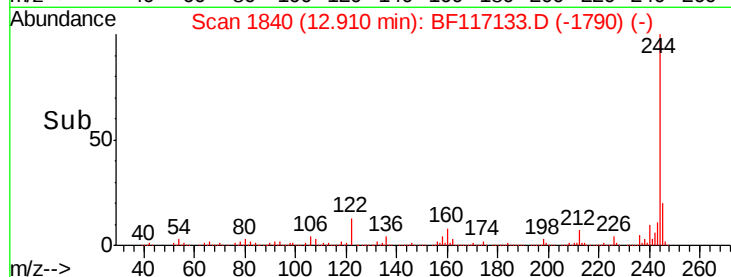
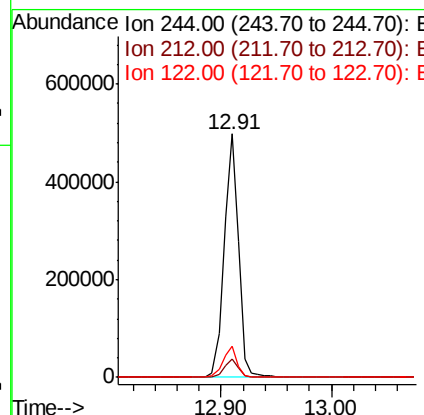
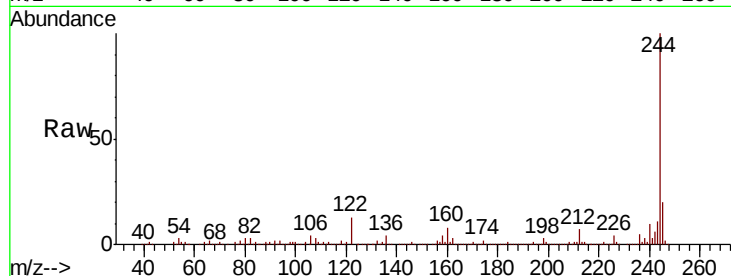




#79
 Terphenyl-d14
 Concen: 65.967 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

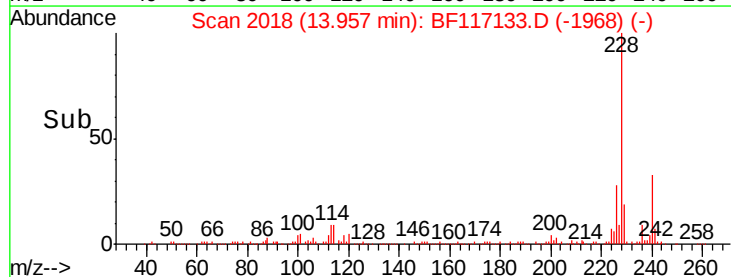
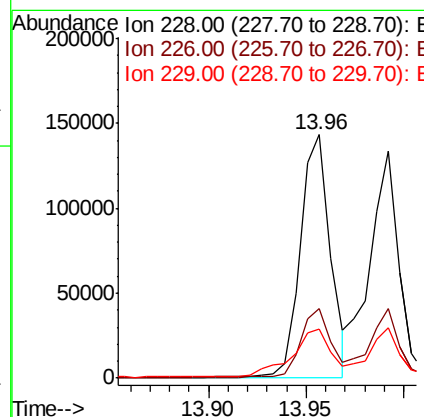
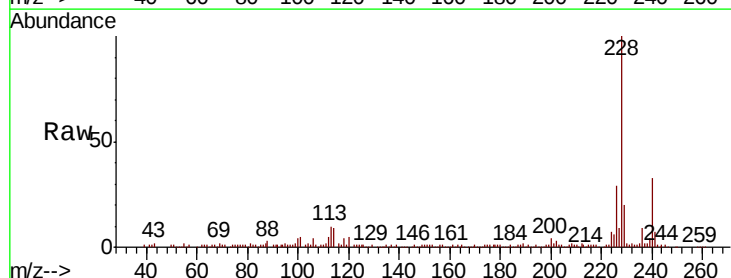
Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

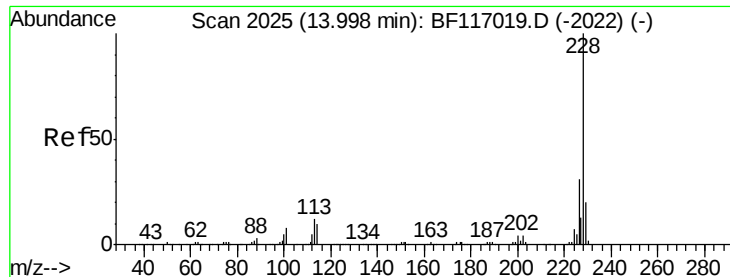
Tot Ion:244 Resp: 448831
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 12.9 11.3 16.9



#81
 Benzo(a)anthracene
 Concen: 17.805 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Tgt Ion:228 Resp: 151293
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.3 33.5
 229 20.1 15.9 23.9





#83

Chrvsene

Concen: 16.911 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

ClientSampleId :

SB-52-COMP

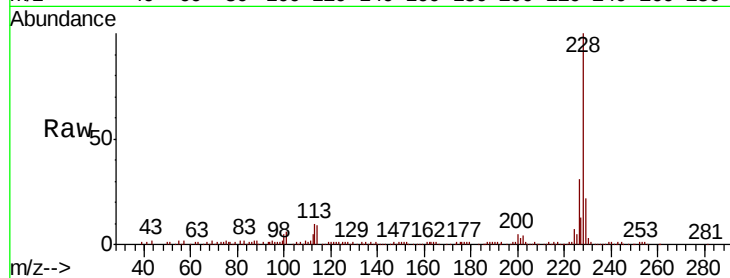
Tot Ion:228 Resp: 140147

Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

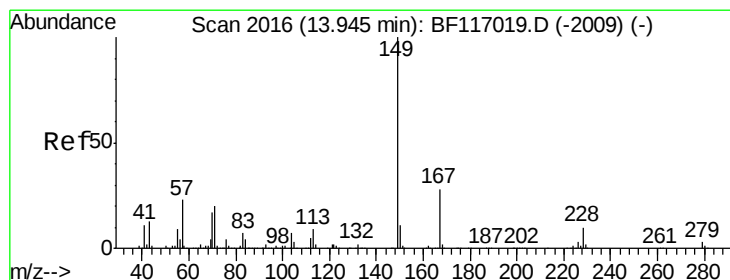
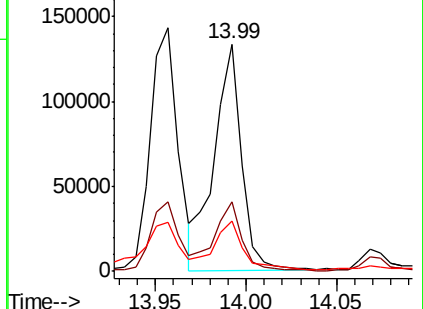
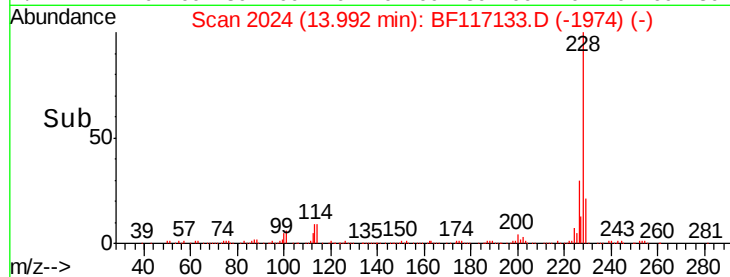
229 21.9 15.8 23.8



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.262 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

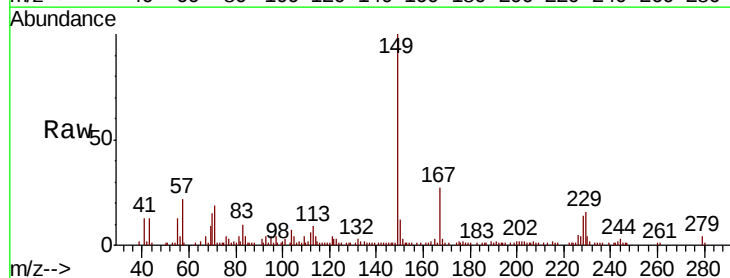
Tgt Ion:149 Resp: 47216

Ion Ratio Lower Upper

149 100

167 27.0 22.2 33.2

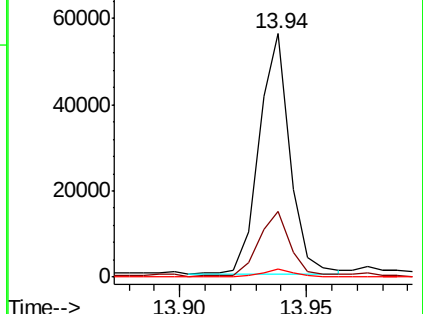
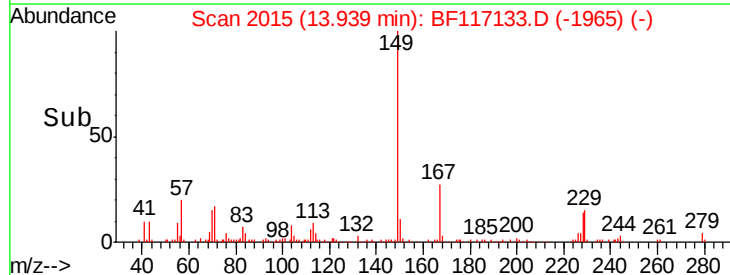
279 3.6 2.8 4.2

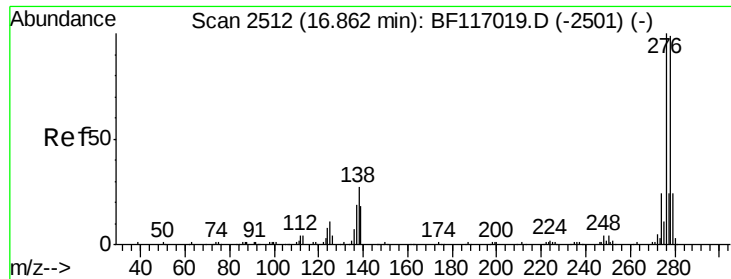


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

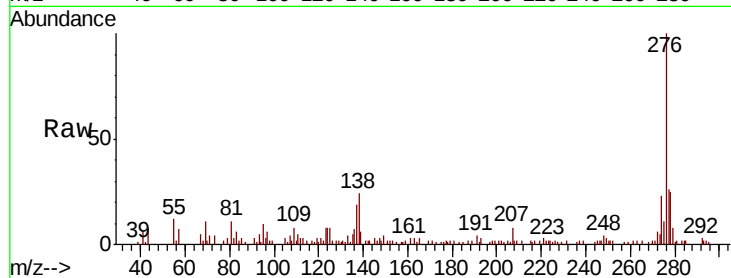




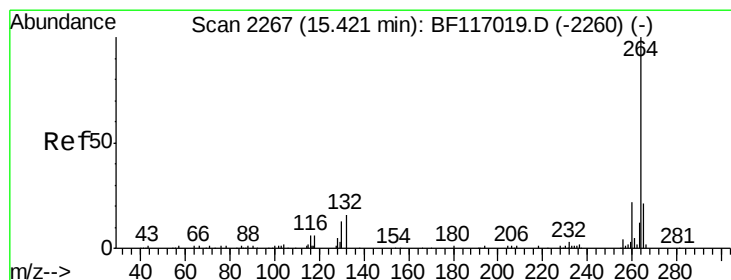
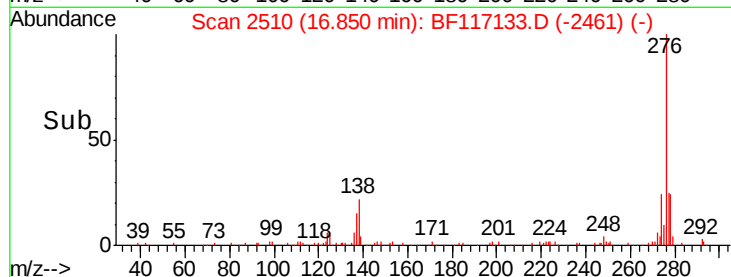
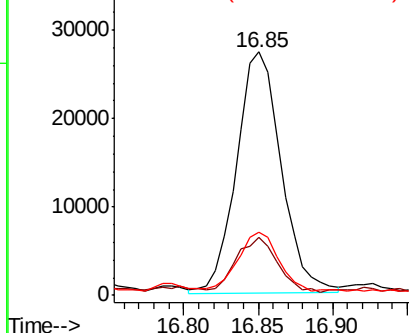
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.422 ng
 RT: 16.85 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.7	31.1
277	21.4	19.8	29.8

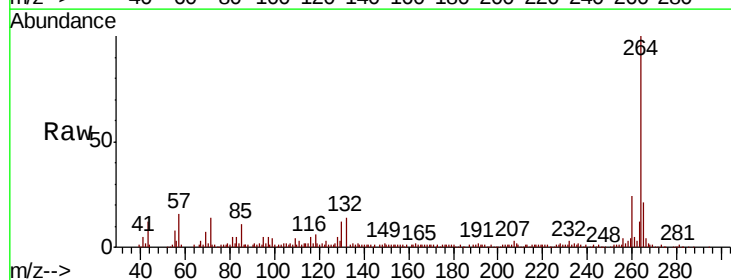


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

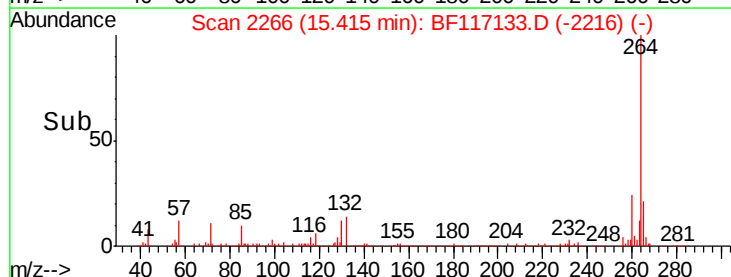
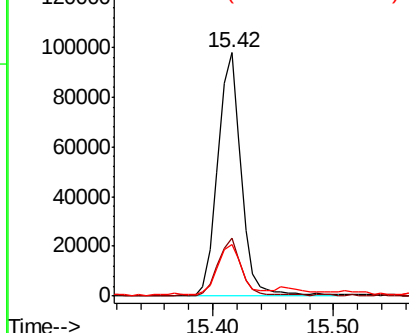


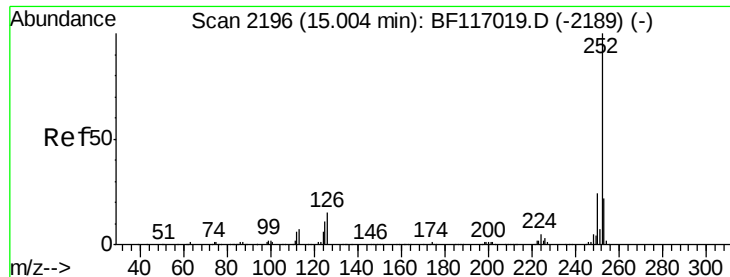
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	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: 27.964 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

ClientSampleId :

SB-52-COMP

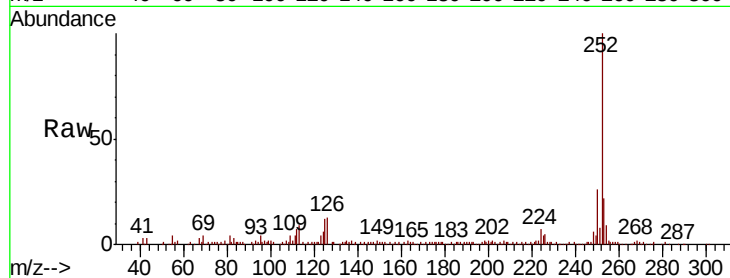
Tot Ion:252 Resp: 222475

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

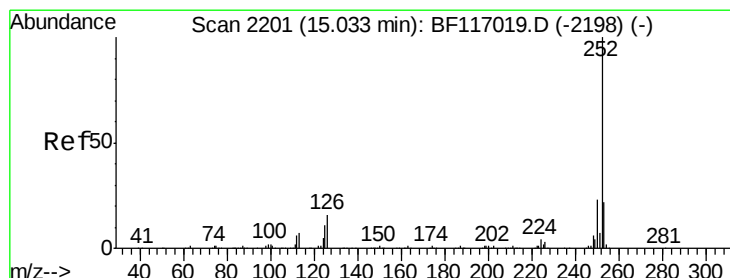
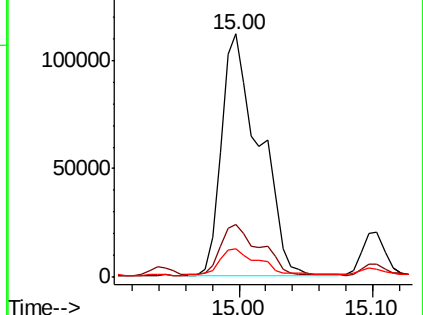
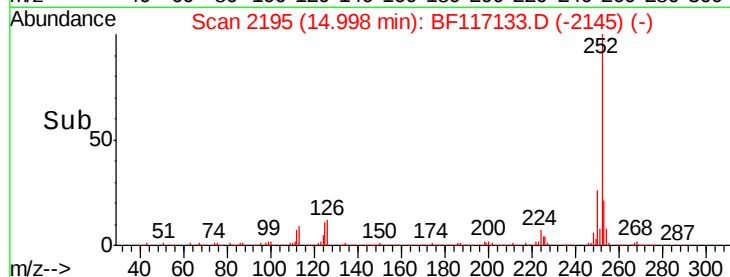
125 11.8 8.6 12.8



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: 29.521 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.04 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

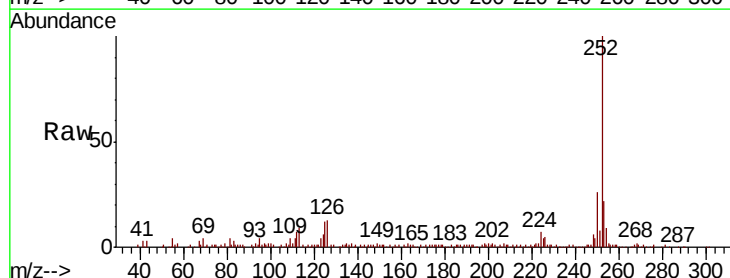
Tgt Ion:252 Resp: 222475

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

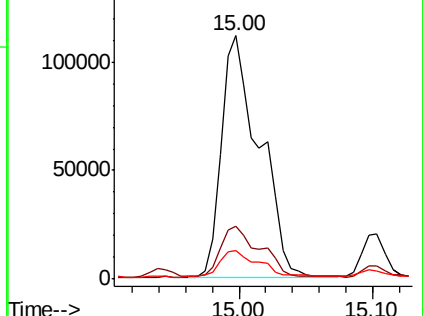
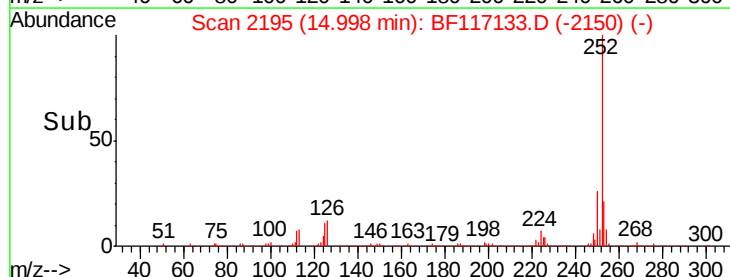
125 11.8 8.8 13.2

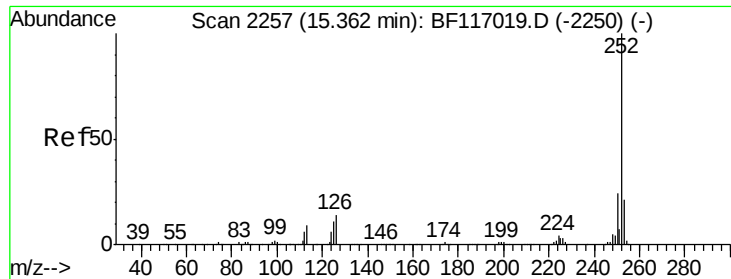


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 16.437 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

ClientSampleId :

SB-52-COMP

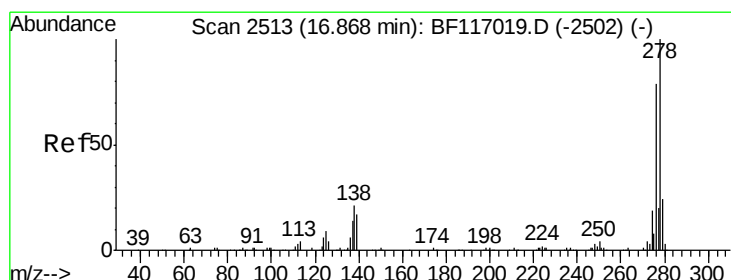
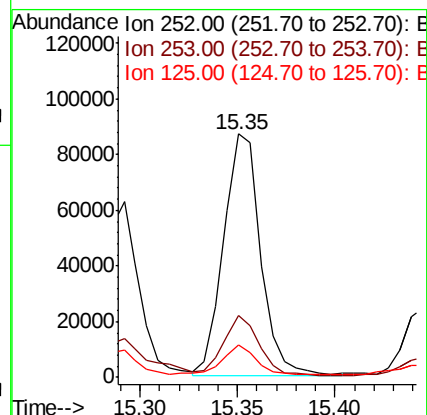
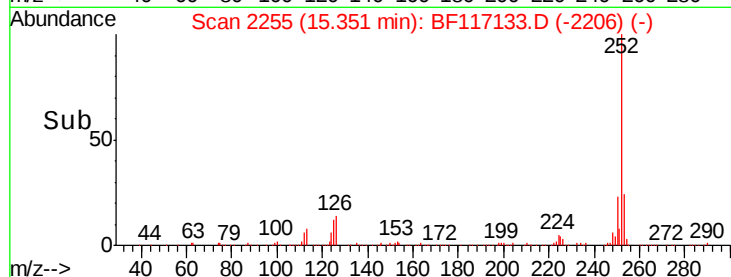
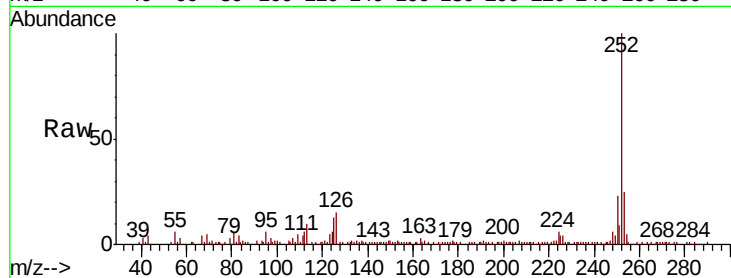
Tot Ion:252 Resp: 114753

Ion Ratio Lower Upper

252 100

253 25.2 16.6 25.0#

125 13.4 8.9 13.3#



#91

Dibenzo(a,h)anthracene

Concen: 2.159 ng

RT: 17.02 min Scan# 2539

Delta R.T. 0.15 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

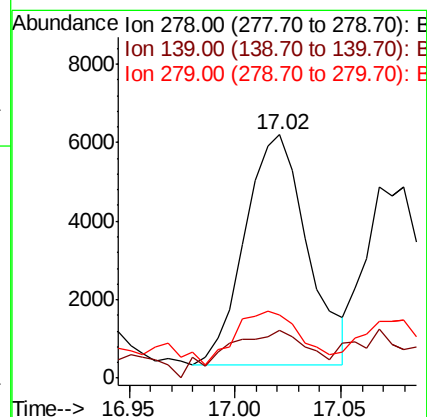
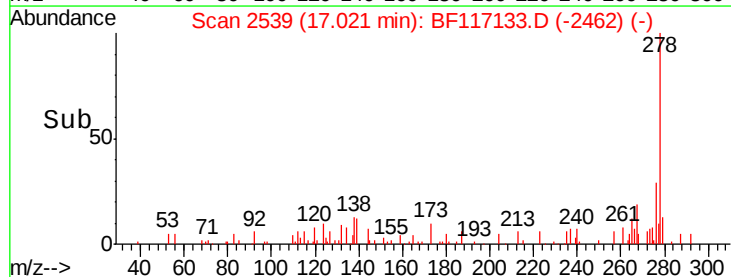
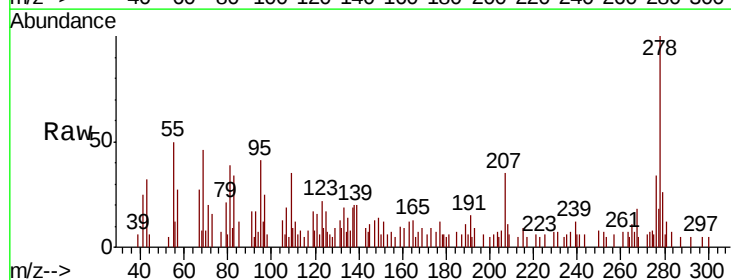
Tgt Ion:278 Resp: 12008

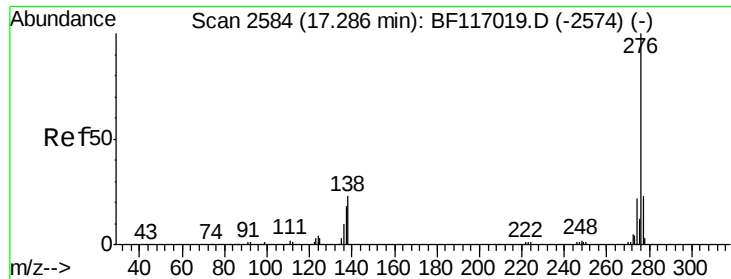
Ion Ratio Lower Upper

278 100

139 19.9 13.5 20.3

279 25.8 18.8 28.2





#92
 Benzo(a,h,i)perylene
 Concen: 9.439 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. -0.01 min
 Lab File: BF117133.D
 Acq: 18 Sep 2019 3:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	27.8
138	21.5	18.0	27.0

