

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100919\
 Data File : BF117355.D
 Acq On : 9 Oct 2019 15:18
 Operator : JU
 Sample : K5165-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NBP-2019

Quant Time: Oct 09 16:21:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

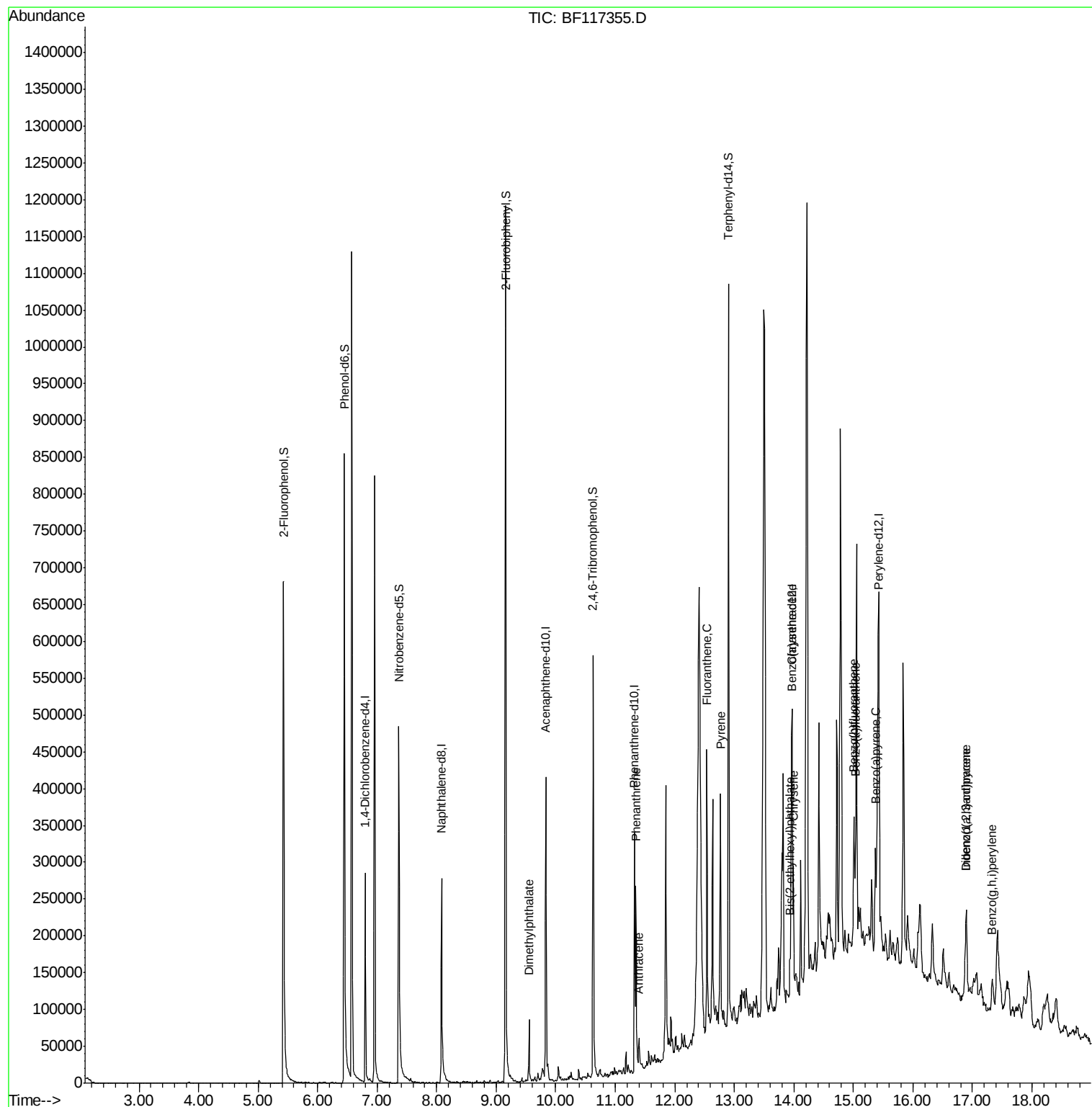
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	43913	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	173452	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	86444	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	122324	20.00	ng	0.00
76) Chrysene-d12	13.97	240	92219	20.00	ng	0.00
87) Perylene-d12	15.43	264	105712	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	266310	94.68	ng	0.00
7) Phenol-d6	6.45	99	359464	98.89	ng	0.00
23) Nitrobenzene-d5	7.36	82	224839	68.11	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	64260	88.94	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	424439	76.77	ng	0.00
79) Terphenyl-d14	12.90	244	315607	63.97	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.55	163	39713	6.488	ng	100
71) Phenanthrene	11.35	178	86099	12.392	ng	100
72) Anthracene	11.40	178	25149	3.545	ng	97
75) Fluoranthene	12.54	202	146889	20.576	ng	98
78) Pyrene	12.77	202	130031	16.805	ng	97
81) Benzo(a)anthracene	13.96	228	73852	11.986	ng	96
83) Chrysene	13.99	228	71611	11.917	ng	97
84) Bis(2-ethylhexyl)phthalate	13.93	149	12263	2.601	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.89	276	35793	8.164	ng	95
88) Benzo(b)fluoranthene	15.01	252	97290m	15.194	ng	
89) Benzo(k)fluoranthene	15.03	252	28172m	4.644	ng	
90) Benzo(a)pyrene	15.37	252	62075	11.047	ng	# 91
91) Dibenzo(a,h)anthracene	16.89	278	9535	2.130	ng	# 73
92) Benzo(a,h,i)perylene	17.33	276	34065	7.637	ng	96

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

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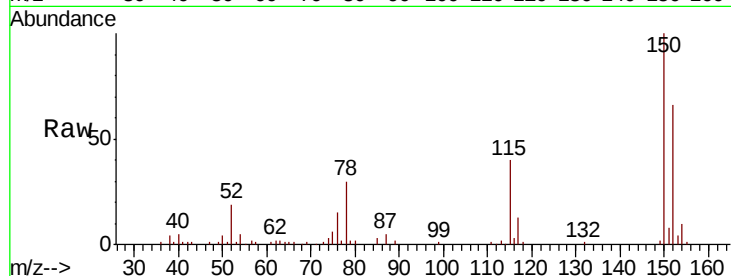


#1

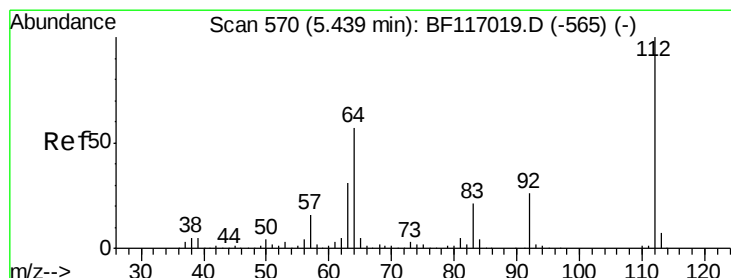
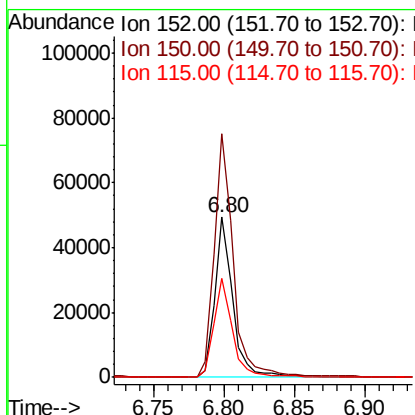
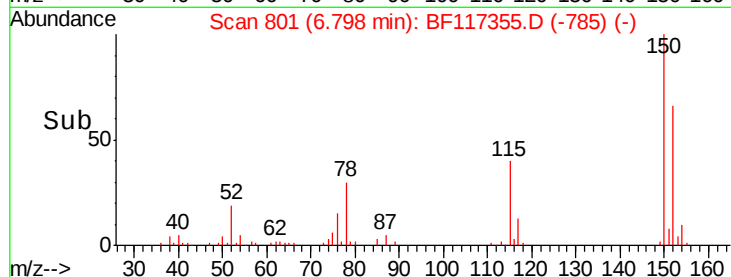
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

Instrument :
BNA_F
ClientSampleId :
NBP-2019

Tot Ion:152 Resp: 43913
Ion Ratio Lower Upper
152 100
150 151.9 127.5 191.3
115 61.5 55.0 82.4



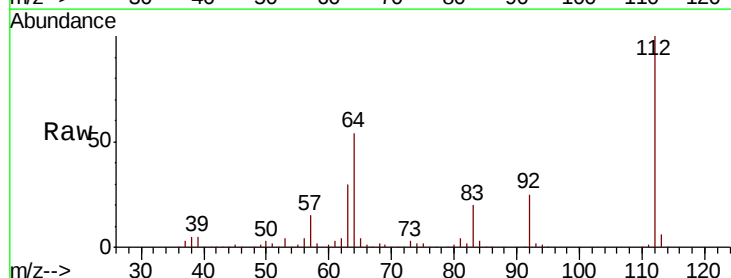
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



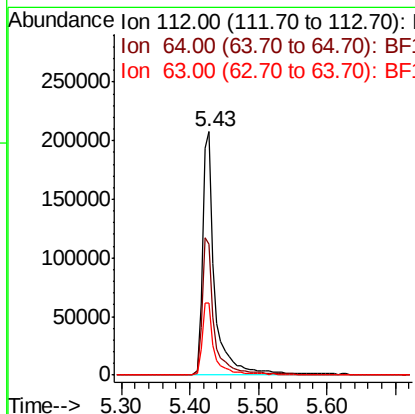
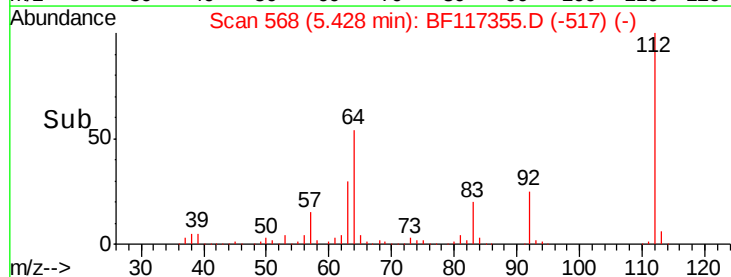
#5

2-Fluorophenol
Concen: 94.682 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

Tgt Ion:112 Resp: 266310
Ion Ratio Lower Upper
112 100
64 53.7 45.7 68.5
63 29.8 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: 98.890 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

Instrument :

BNA_F

ClientSampleId :

NBP-2019

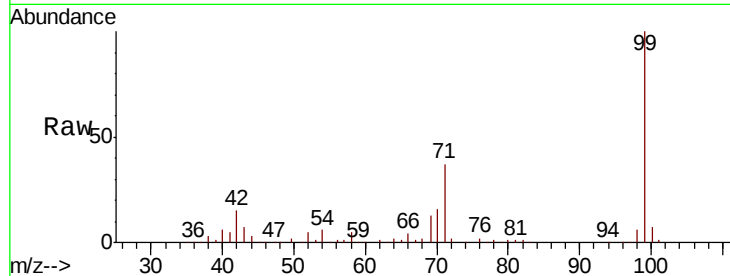
Tot Ion: 99 Resp: 359464

Ion Ratio Lower Upper

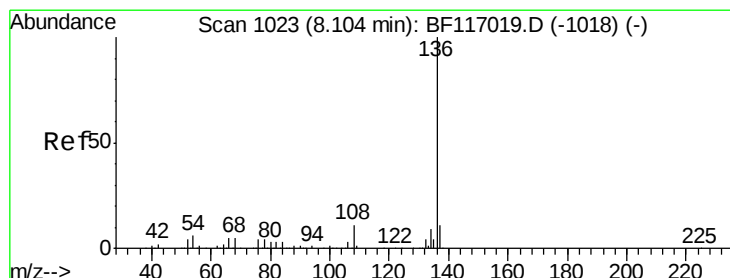
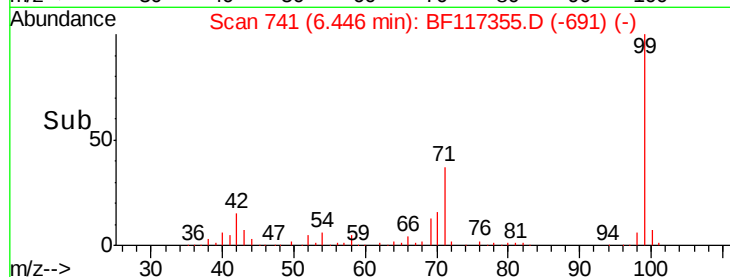
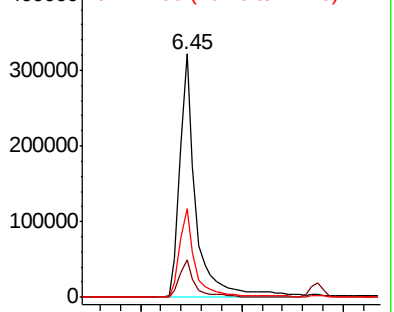
99 100

42 15.5 12.2 18.2

71 36.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

Tgt Ion: 136 Resp: 173452

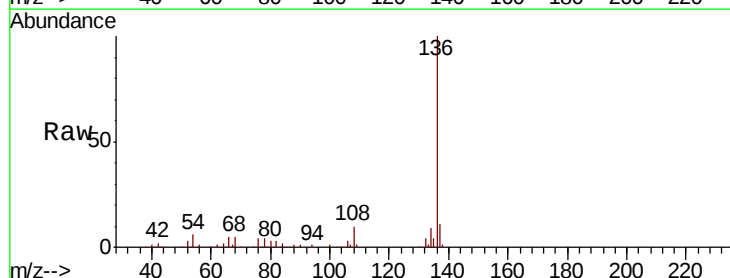
Ion Ratio Lower Upper

136 100

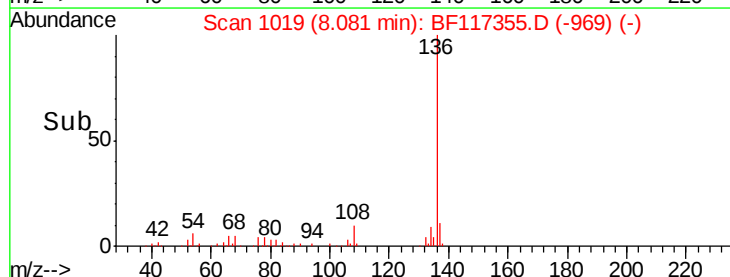
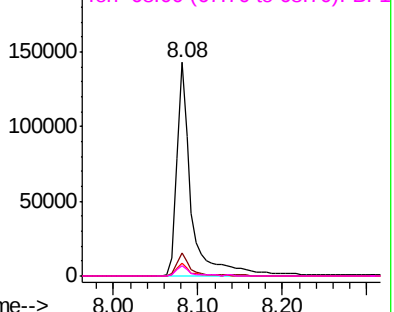
137 11.1 9.0 13.4

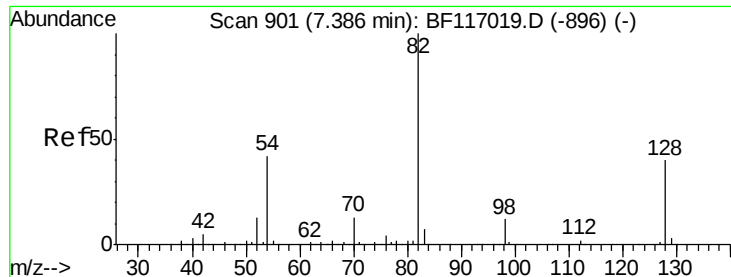
54 6.0 4.5 6.7

68 4.9 4.0 6.0



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

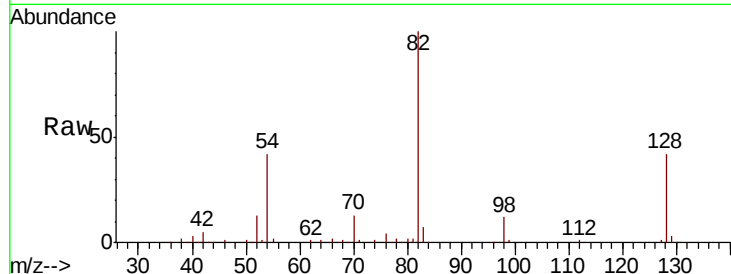




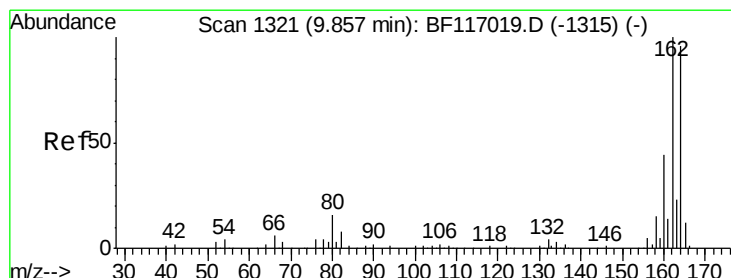
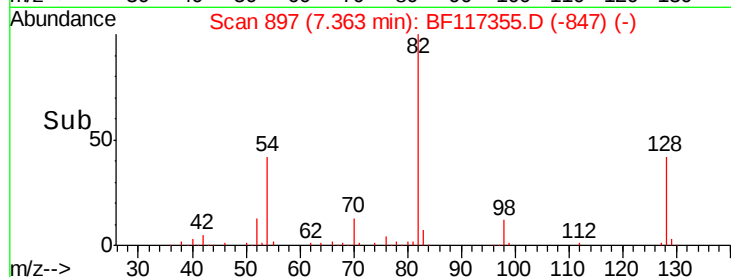
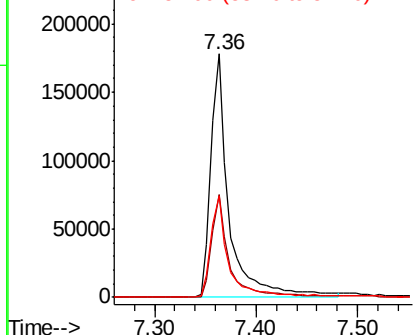
#23
 Nitrobenzene-d5
 Concen: 68.109 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Instrument :
 BNA_F
 ClientSampleId :
 NBP-2019

Tot Ion	82	Resp	224839
Ion Ratio	Lower	Upper	
82	100		
128	42.2	32.3	48.5
54	41.9	33.3	49.9

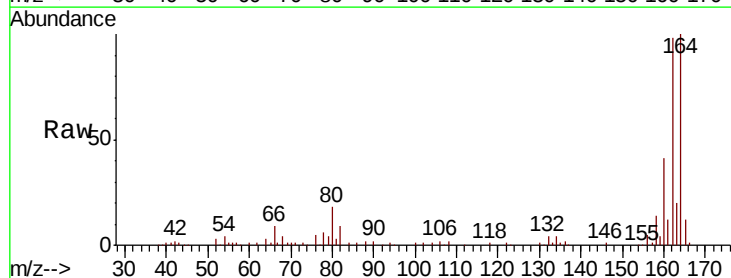


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

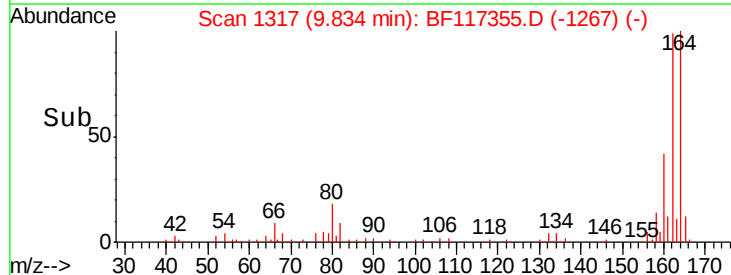
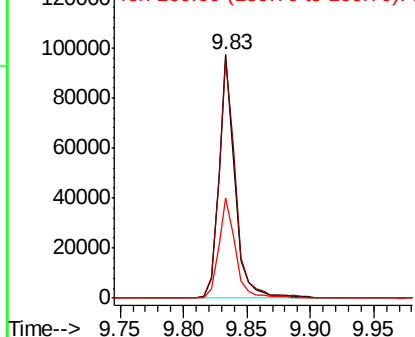


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Tgt Ion	164	Resp	86444
Ion Ratio	Lower	Upper	
164	100		
162	98.3	83.4	125.2
160	41.2	36.4	54.6



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

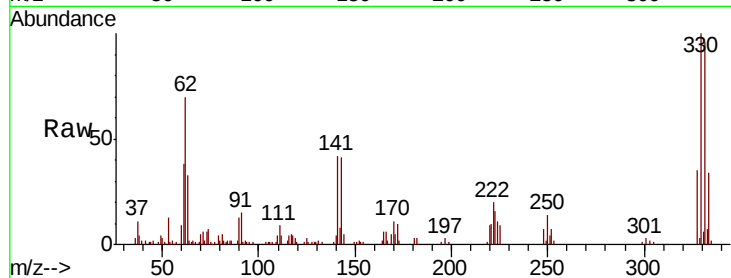




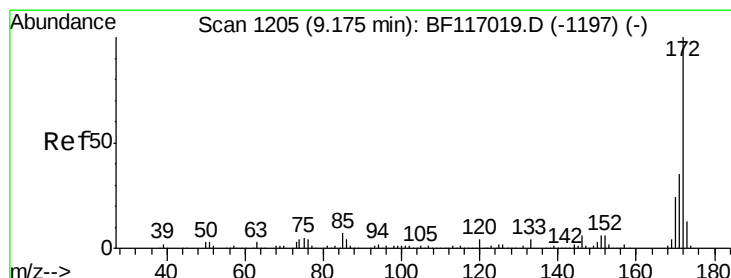
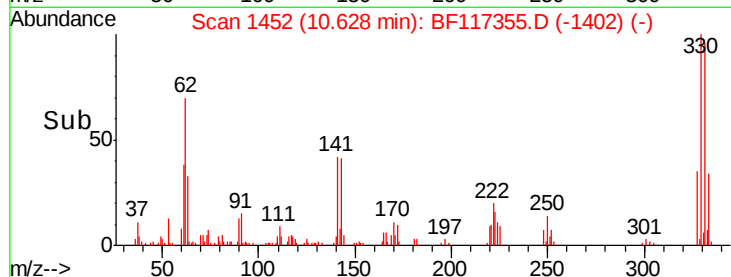
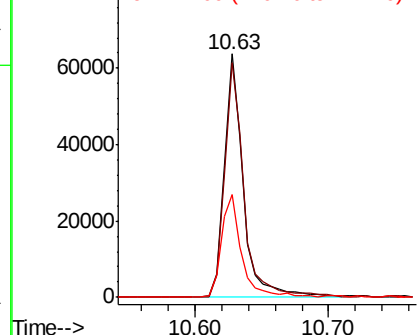
#42
 2,4,6-Tribromophenol
 Concen: 88.944 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Instrument :
 BNA_F
 ClientSampleId :
 NBP-2019

Tot Ion:330 Resp: 64260
 Ion Ratio Lower Upper
 330 100
 332 97.9 78.0 117.0
 141 44.5 35.8 53.6

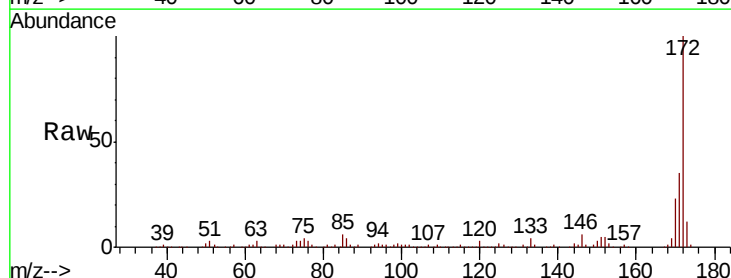


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

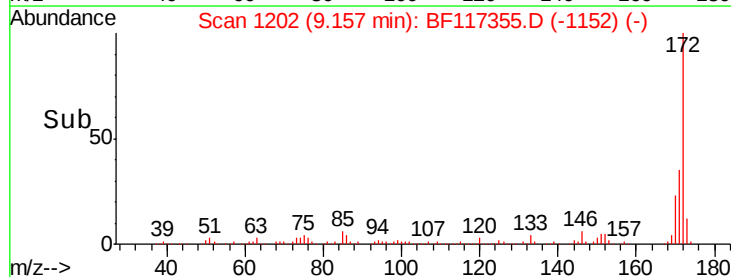
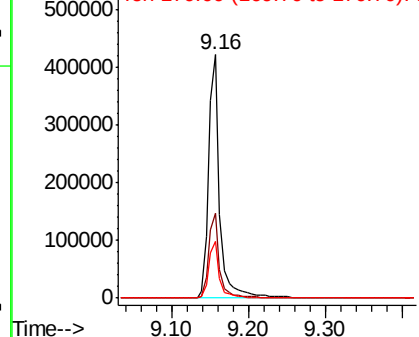


#45
 2-Fluorobiphenyl
 Concen: 76.771 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Tgt Ion:172 Resp: 424439
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.2
 170 23.1 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

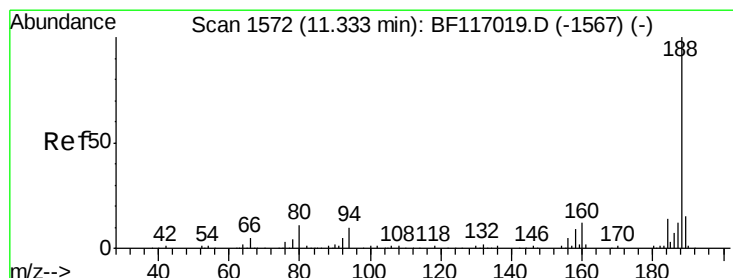
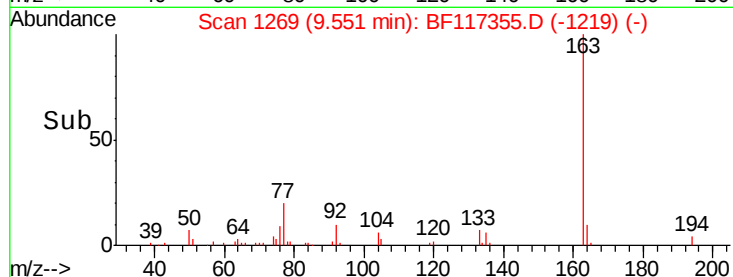
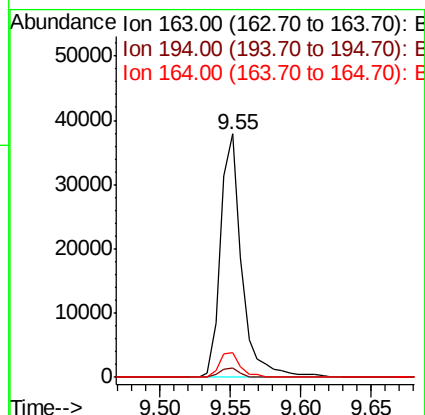
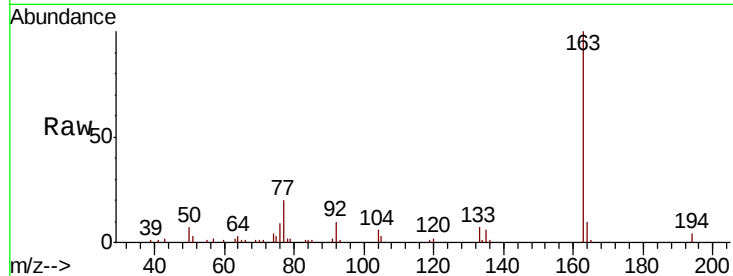




#50
Dimethylphthalate
Concen: 6.488 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

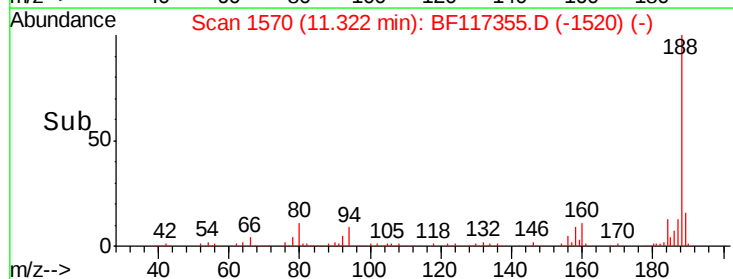
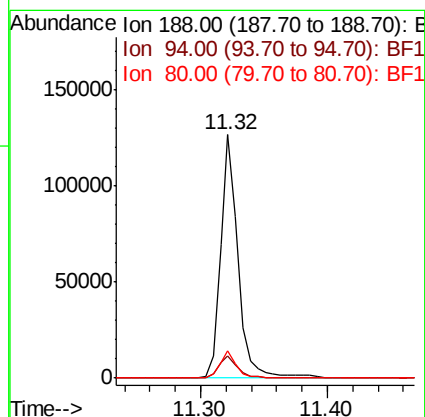
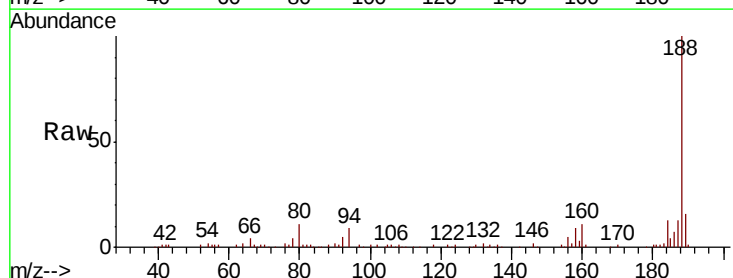
Instrument :
BNA_F
ClientSampleId :
NBP-2019

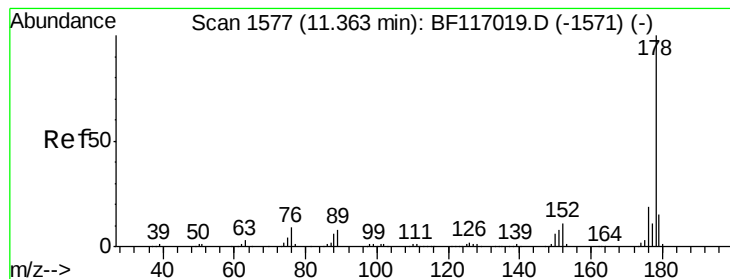
Tot Ion:163 Resp: 39713
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.4 8.2 12.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

Tgt Ion:188 Resp: 122324
Ion Ratio Lower Upper
188 100
94 9.1 8.2 12.2
80 11.5 9.0 13.6





#71

Phenanthrene

Concen: 12.392 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

Instrument :

BNA_F

ClientSampleId :

NBP-2019

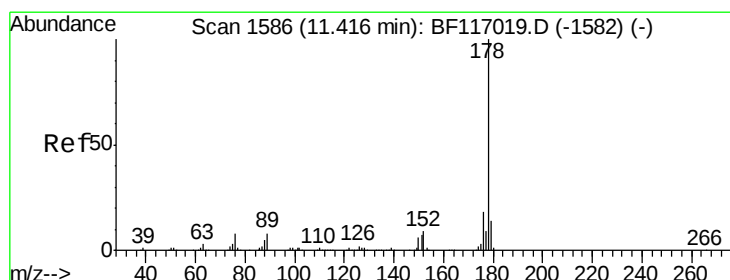
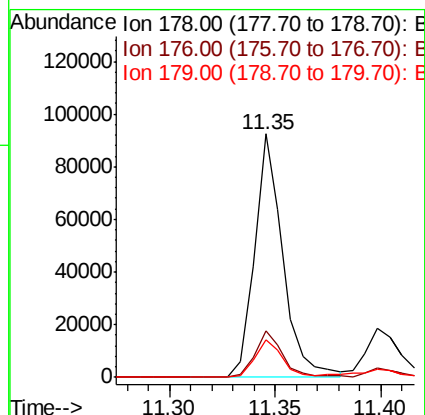
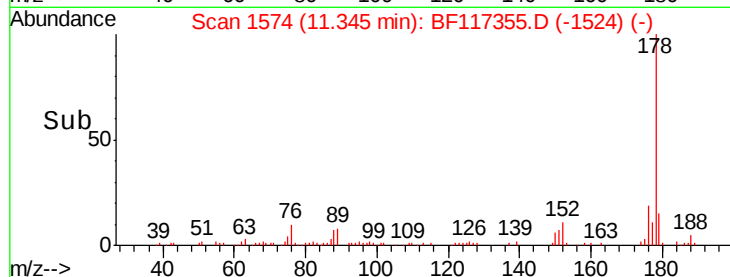
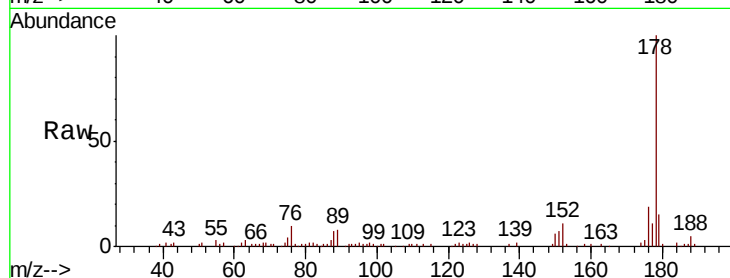
Tot Ion:178 Resp: 86099

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

179 15.3 12.4 18.6



#72

Anthracene

Concen: 3.545 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

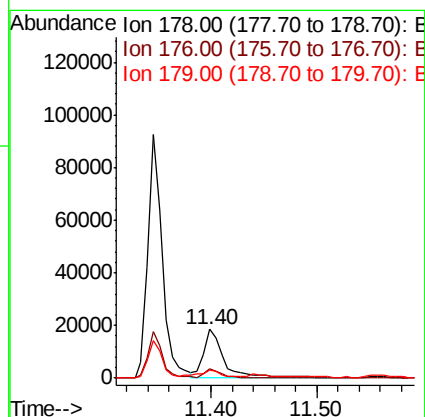
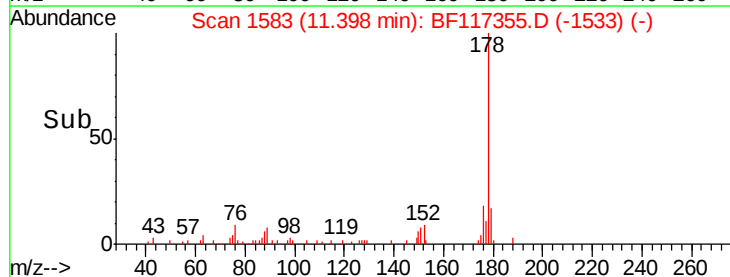
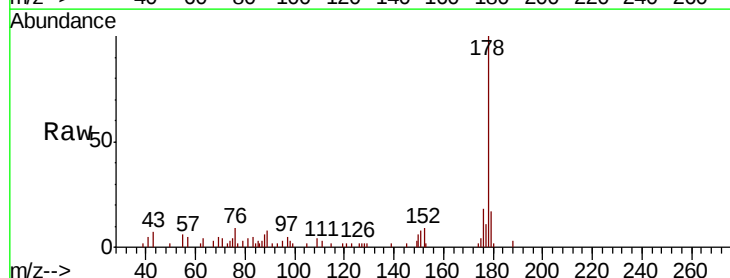
Tgt Ion:178 Resp: 25149

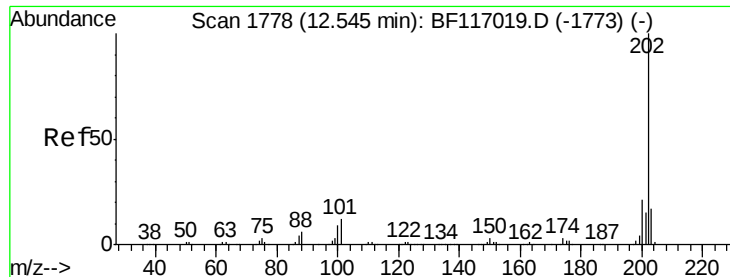
Ion Ratio Lower Upper

178 100

176 18.3 14.6 21.8

179 16.9 11.6 17.4





#75

Fluoranthene

Concen: 20.576 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.00 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

Instrument :

BNA_F

ClientSampleId :

NBP-2019

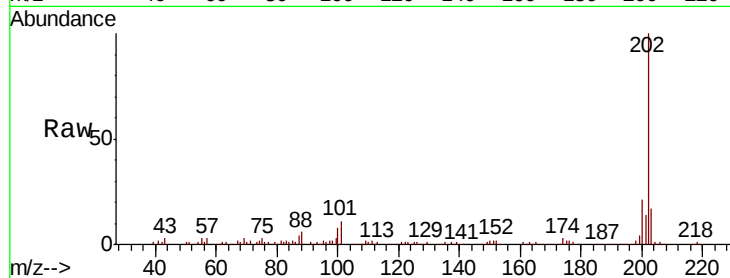
Tot Ion:202 Resp: 146889

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.3

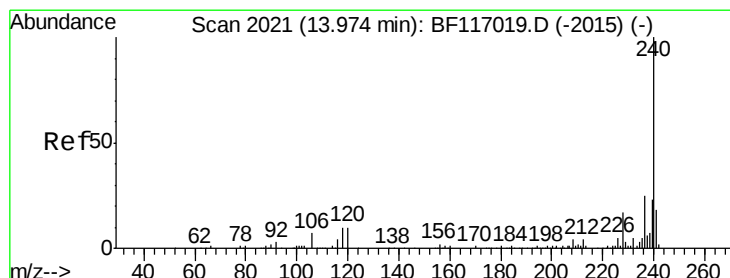
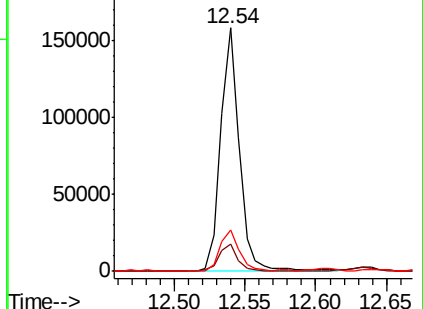
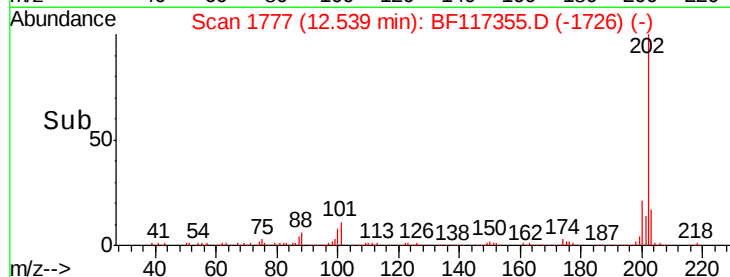
203 17.2 0.0 37.1



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: BF117355.D

Acq: 9 Oct 2019 15:18

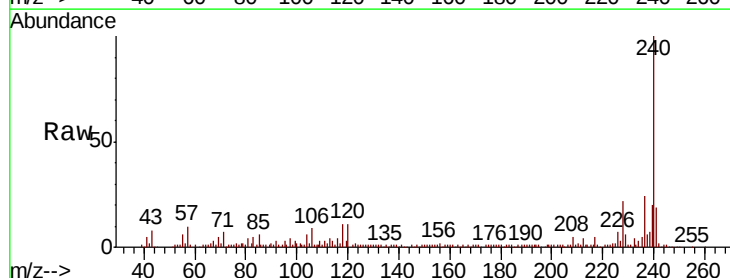
Tgt Ion:240 Resp: 92219

Ion Ratio Lower Upper

240 100

120 11.2 8.3 12.5

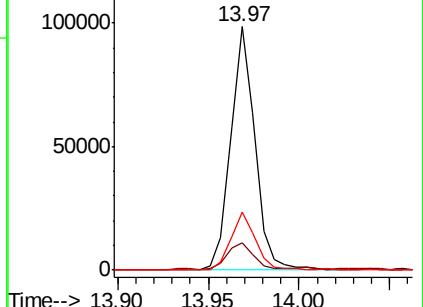
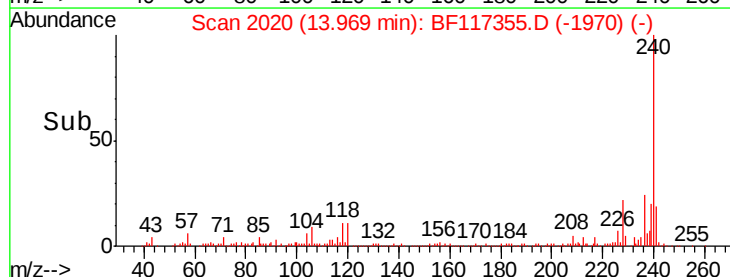
236 23.7 20.3 30.5

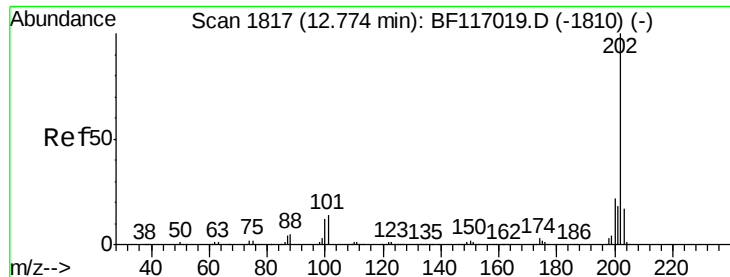


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

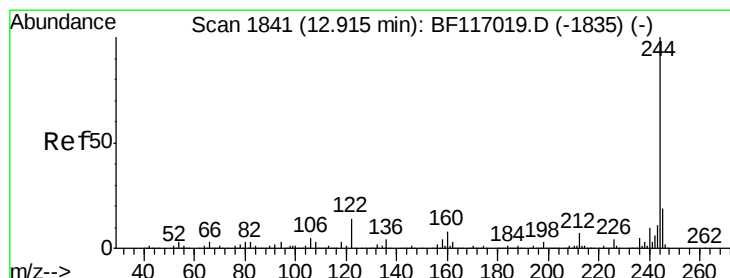
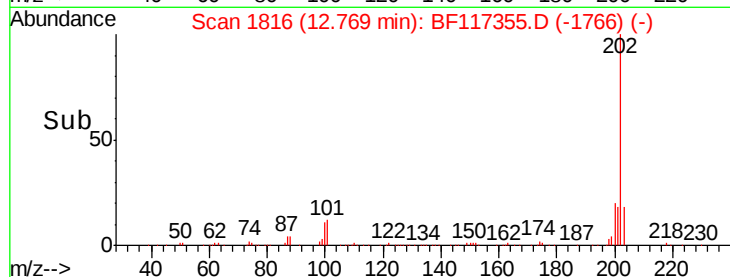
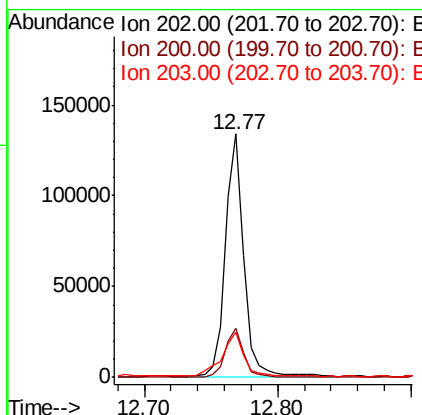
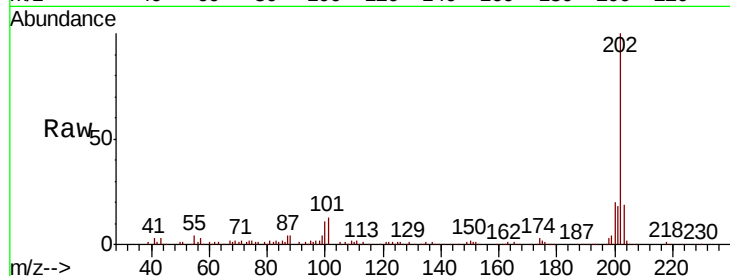




#78
Pvrene
Concen: 16.805 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

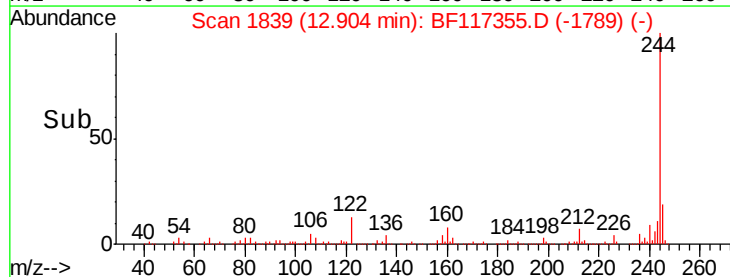
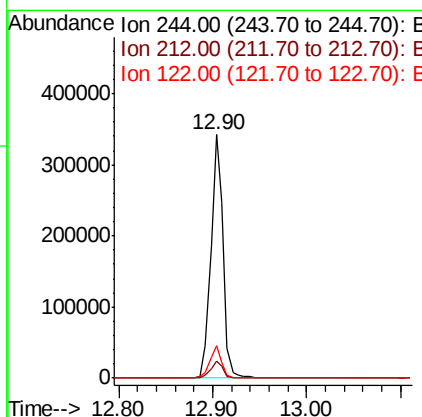
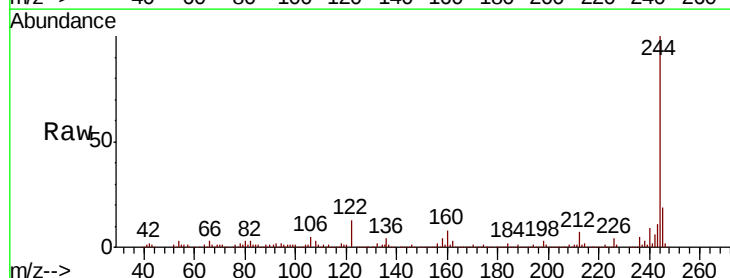
Instrument :
BNA_F
ClientSampleId :
NBP-2019

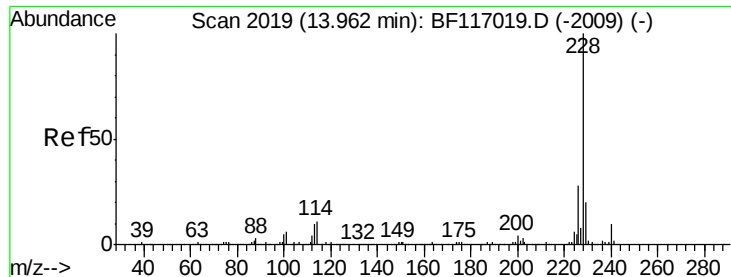
Tot Ion:202 Resp: 130031
Ion Ratio Lower Upper
202 100
200 20.1 17.2 25.8
203 18.7 14.0 21.0



#79
Terphenyl-d14
Concen: 63.972 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

Tgt Ion:244 Resp: 315607
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 13.1 11.3 16.9





#81

Benzo(a)anthracene

Concen: 11.986 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

Instrument :

BNA_F

ClientSampled :

NBP-2019

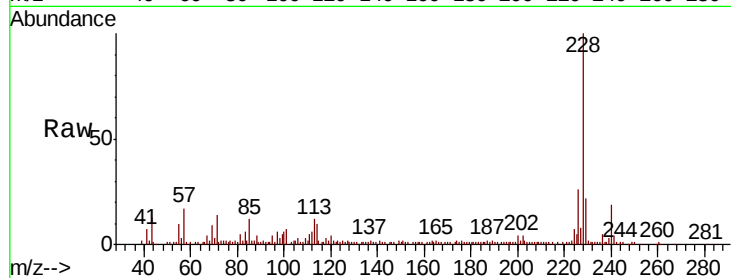
Tot Ion:228 Resp: 73852

Ion Ratio Lower Upper

228 100

226 26.1 22.3 33.5

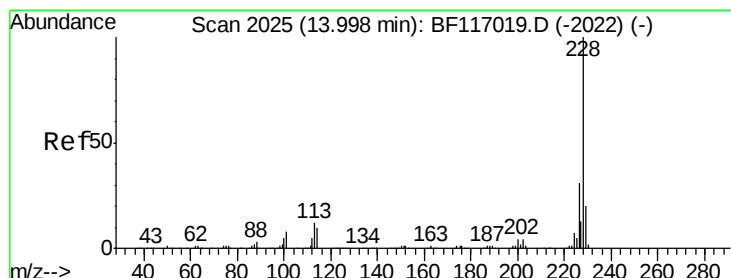
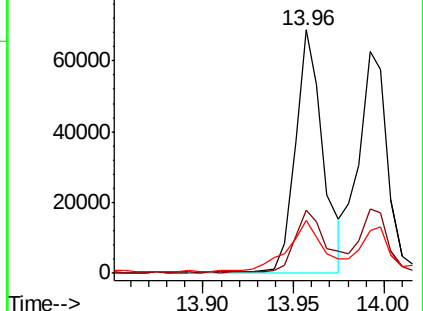
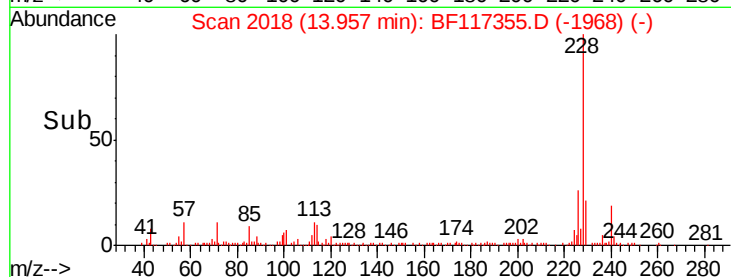
229 21.5 15.9 23.9



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



#83

Chrysene

Concen: 11.917 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

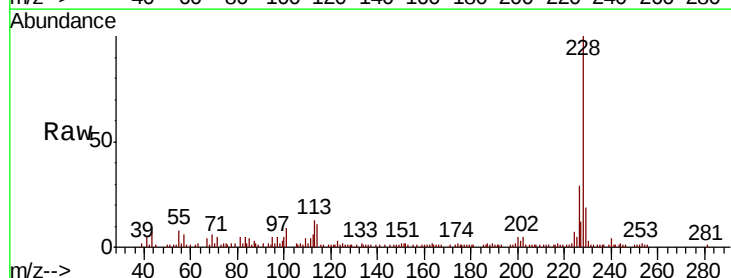
Tgt Ion:228 Resp: 71611

Ion Ratio Lower Upper

228 100

226 28.7 24.8 37.2

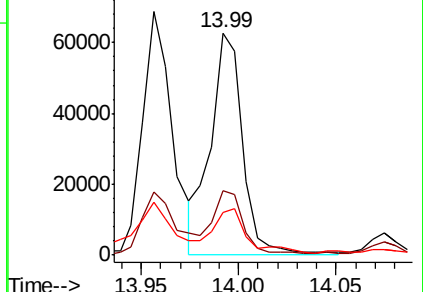
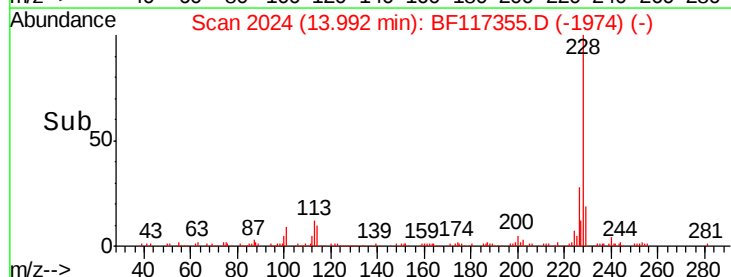
229 19.4 15.8 23.8

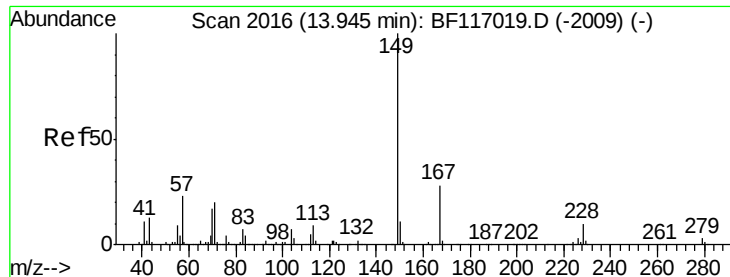


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

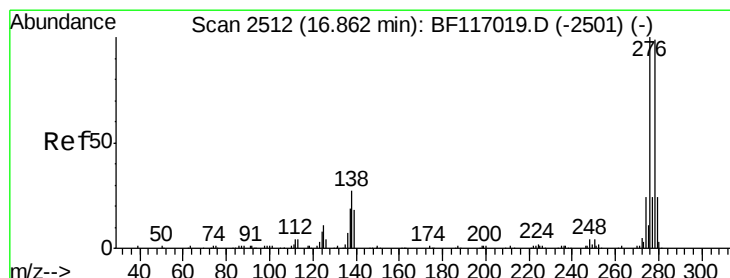
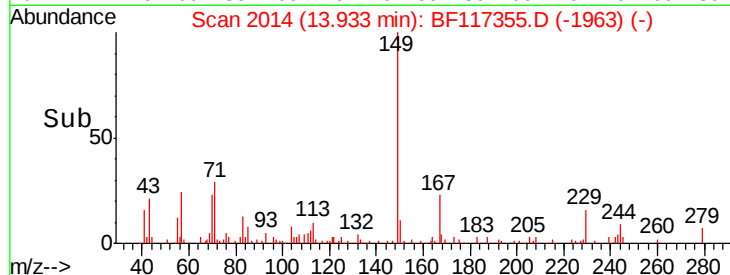
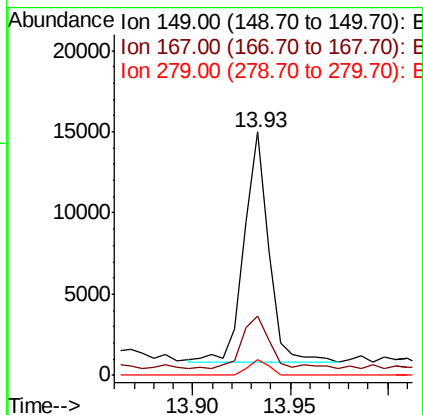
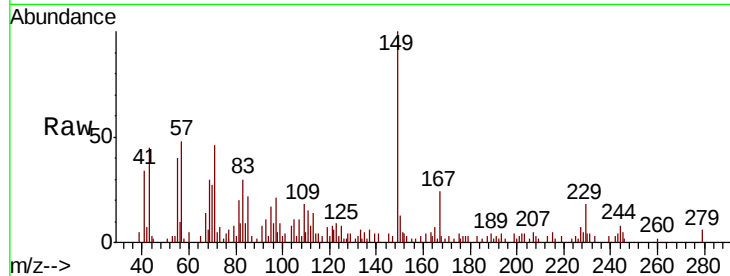




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.601 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. 0.00 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

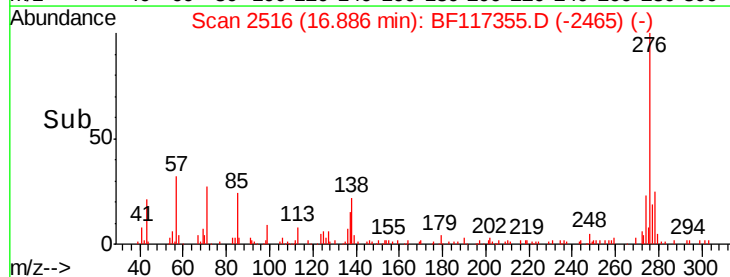
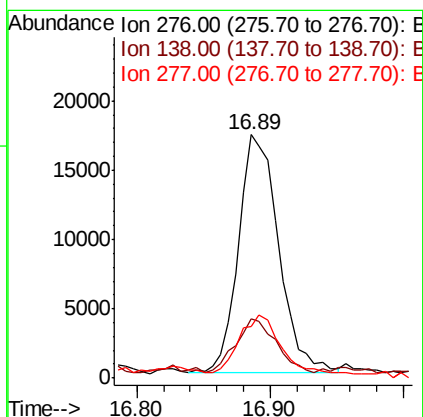
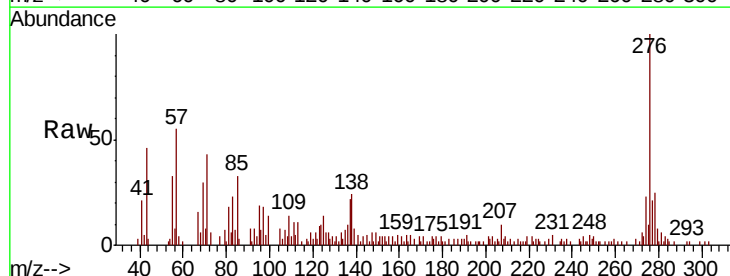
Instrument :
 BNA_F
 ClientSampleId :
 NBP-2019

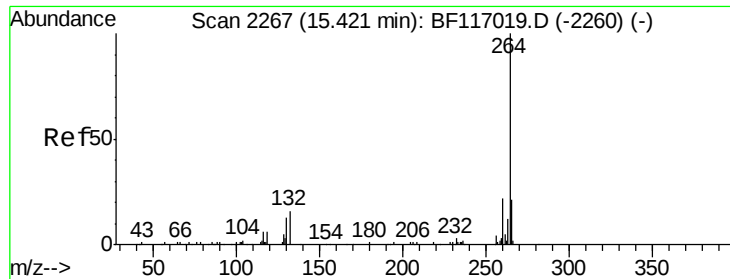
Tot Ion:149 Resp: 12263
 Ion Ratio Lower Upper
 149 100
 167 24.2 22.2 33.2
 279 6.4 2.8 4.2#



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.164 ng
 RT: 16.89 min Scan# 2516
 Delta R.T. 0.00 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Tgt Ion:276 Resp: 35793
 Ion Ratio Lower Upper
 276 100
 138 22.2 20.7 31.1
 277 26.1 19.8 29.8

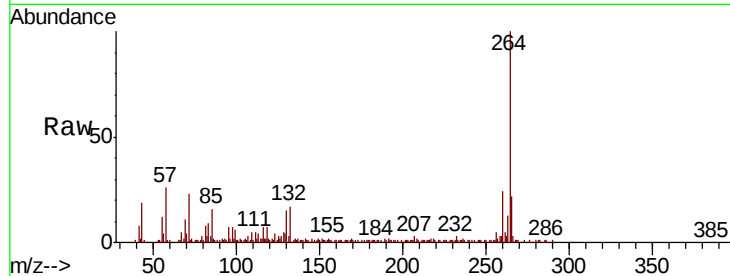




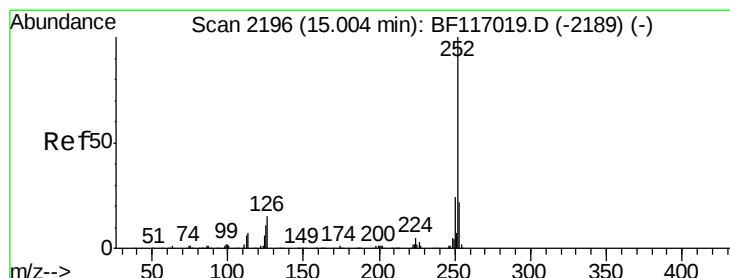
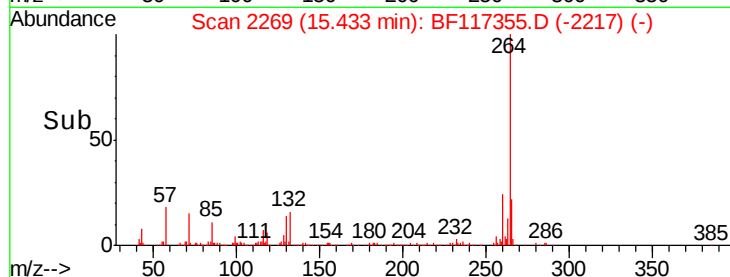
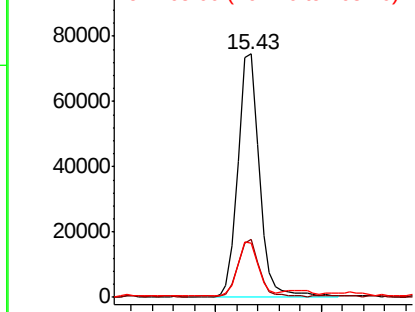
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Instrument :
 BNA_F
 ClientSampleId :
 NBP-2019

Tot Ion:264 Resp: 105712
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.6 26.4
 265 22.3 16.6 24.8

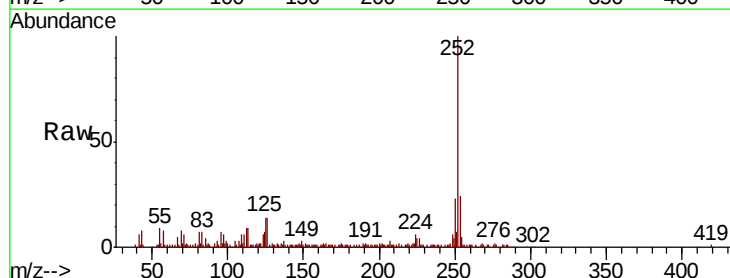


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

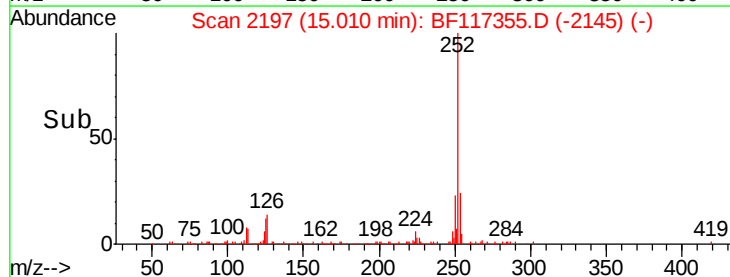
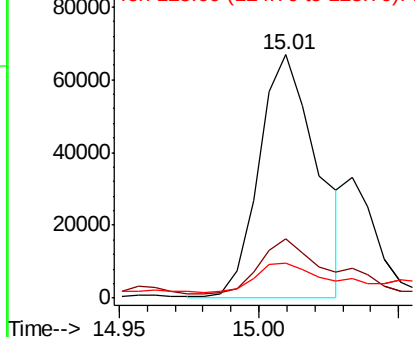


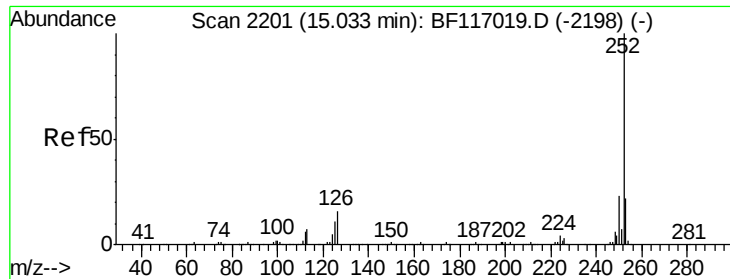
#88
 Benzo(b)fluoranthene
 Concen: 15.194 ng m
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF117355.D
 Acq: 9 Oct 2019 15:18

Tgt Ion:252 Resp: 97290
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.6 26.4
 125 14.4 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

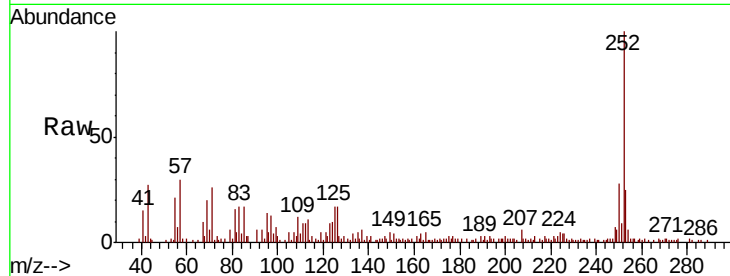




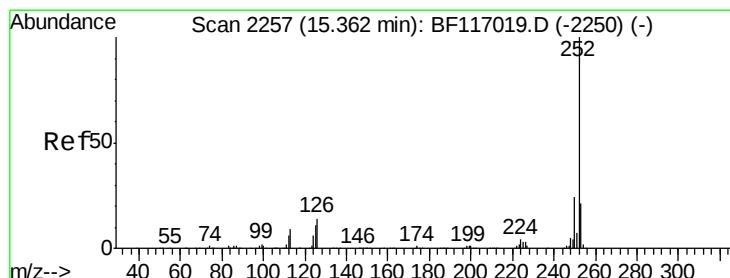
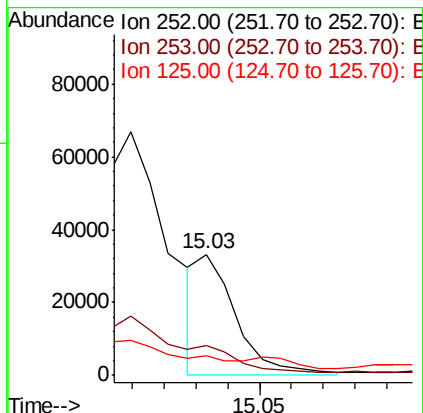
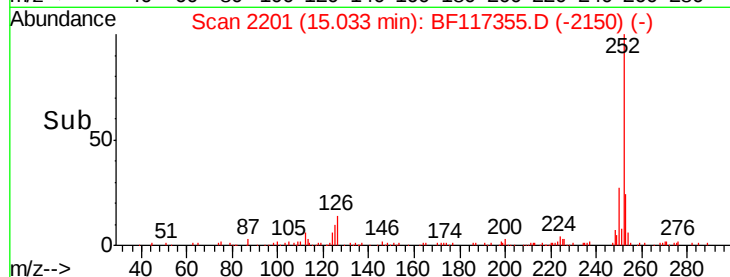
#89
Benzo(k)fluoranthene
Concen: 4.644 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

Instrument :
BNA_F
ClientSampleId :
NBP-2019

Tot Ion:252 Resp: 28172
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.2
125 16.5 8.8 13.2#

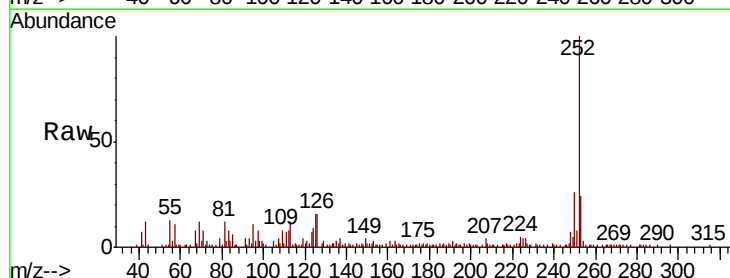


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

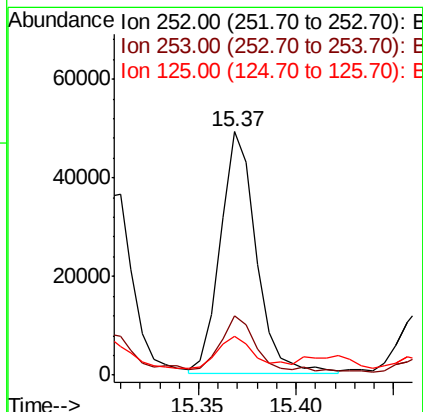
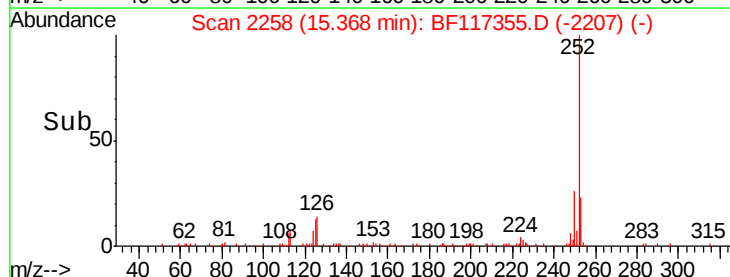


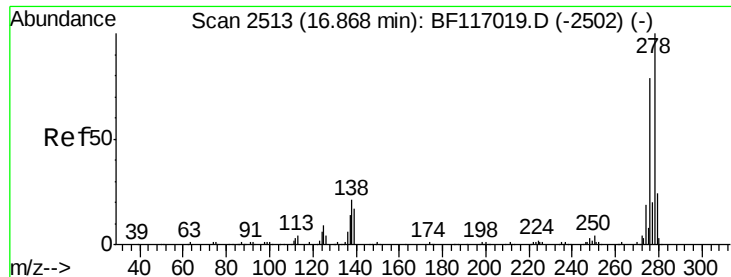
#90
Benzo(a)pyrene
Concen: 11.047 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF117355.D
Acq: 9 Oct 2019 15:18

Tgt Ion:252 Resp: 62075
Ion Ratio Lower Upper
252 100
253 24.2 16.6 25.0
125 15.8 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: 2.130 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

Instrument :

BNA_F

ClientSampleId :

NBP-2019

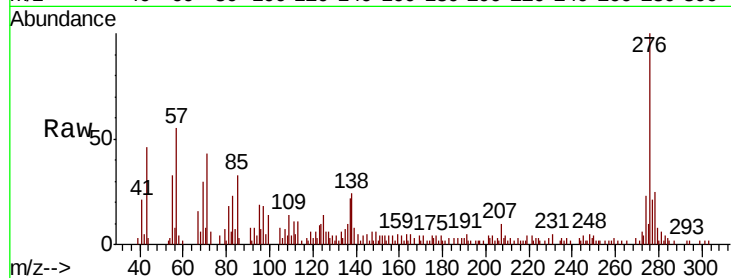
Tot Ion:278 Resp: 9535

Ion Ratio Lower Upper

278 100

139 31.7 13.5 20.3#

279 34.6 18.8 28.2#

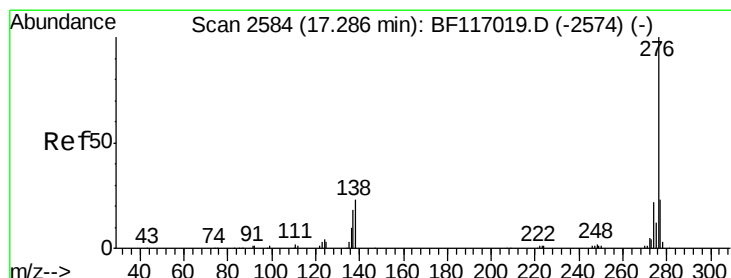
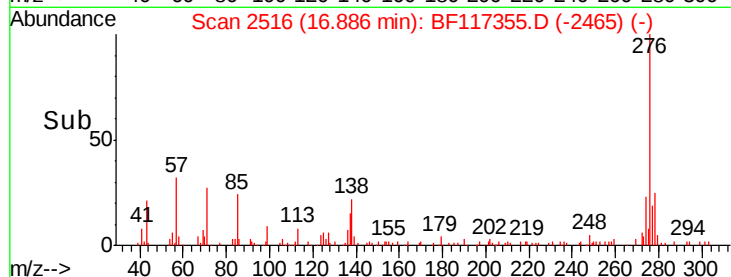
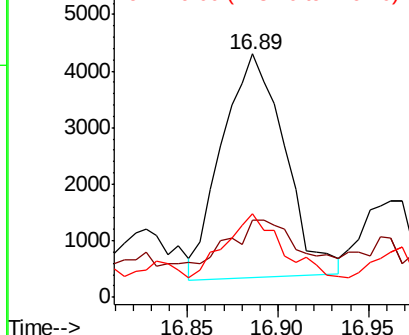


Abundance

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: 7.637 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF117355.D

Acq: 9 Oct 2019 15:18

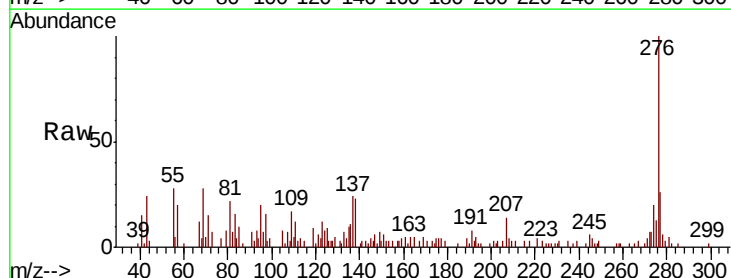
Tgt Ion:276 Resp: 34065

Ion Ratio Lower Upper

276 100

277 26.3 18.6 27.8

138 22.8 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

