

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101019\
 Data File : BF117369.D
 Acq On : 10 Oct 2019 19:22
 Operator : JU
 Sample : K5145-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-100919

Quant Time: Oct 11 06:54:14 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

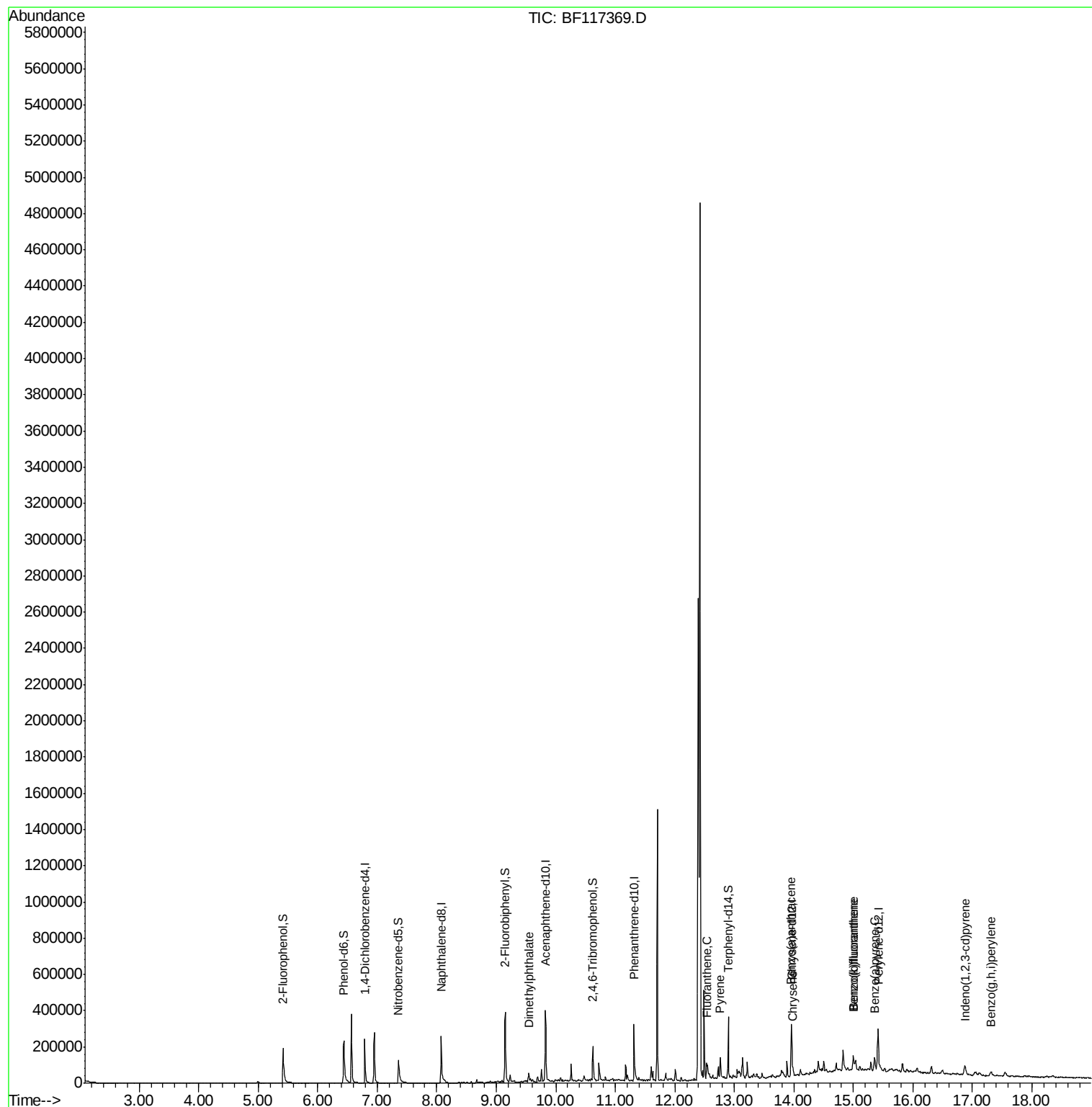
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	42711	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	175441	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	85186	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	120155	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	84398	20.00	ng	-0.01
87) Perylene-d12	15.42	264	96222	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	95384	34.87	ng	0.00
7) Phenol-d6	6.44	99	140240	39.67	ng	-0.01
23) Nitrobenzene-d5	7.36	82	80125	24.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	22963	32.25	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	150691	27.66	ng	-0.01
79) Terphenyl-d14	12.90	244	101471	22.47	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.55	163	15682	2.600	ng	99
75) Fluoranthene	12.53	202	24219	3.454	ng	98
78) Pyrene	12.76	202	38605	5.451	ng	97
81) Benzo(a)anthracene	13.95	228	17681m	3.136	ng	
83) Chrysene	13.99	228	19656m	3.574	ng	
86) Indeno(1,2,3-cd)pyrene	16.87	276	18856	4.700	ng	# 91
88) Benzo(b)fluoranthene	15.00	252	36244m	6.218	ng	
89) Benzo(k)fluoranthene	15.01	252	17605m	3.189	ng	
90) Benzo(a)pyrene	15.36	252	33670	6.583	ng	# 90
92) Benzo(g,h,i)perylene	17.32	276	18808	4.632	ng	96

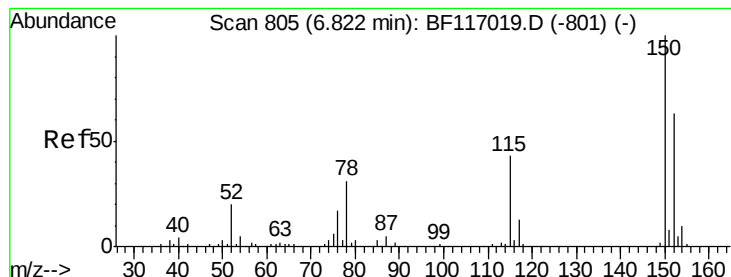
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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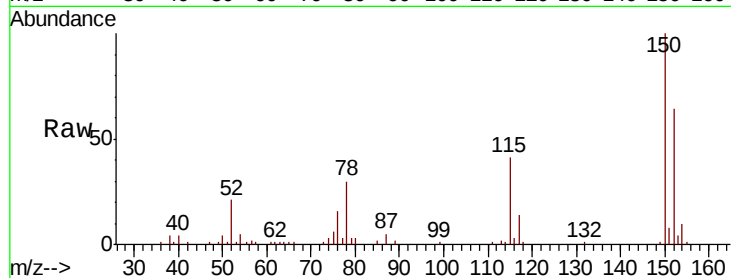


#1

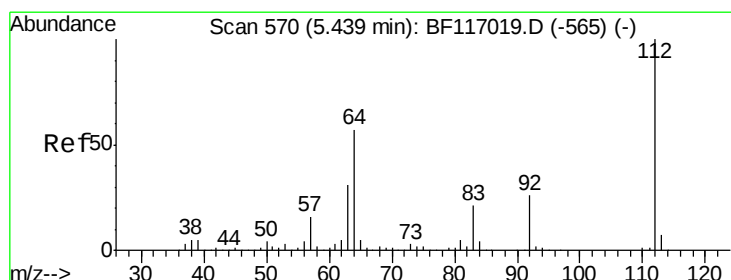
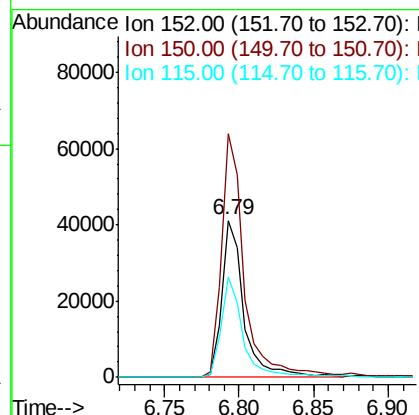
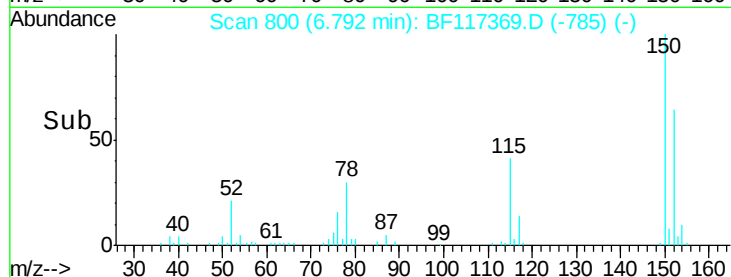
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

Instrument :
BNA_F
ClientSampleId :
HD-01-100919

Tot Ion:152 Resp: 42711
Ion Ratio Lower Upper
152 100
150 155.3 127.5 191.3
115 63.6 55.0 82.4



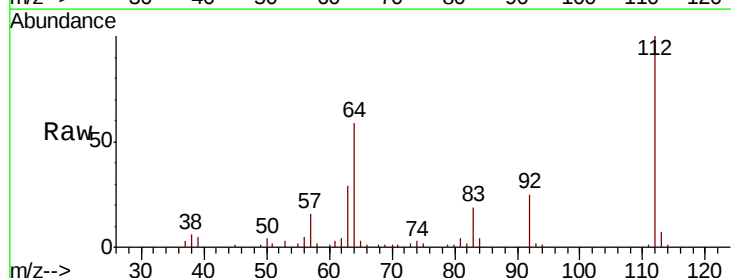
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



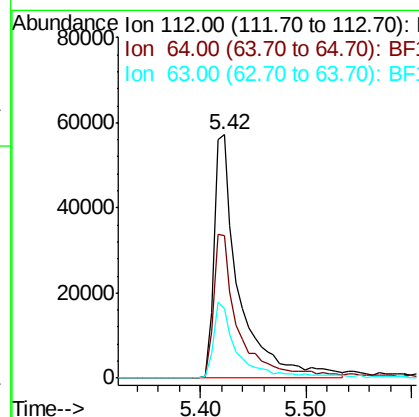
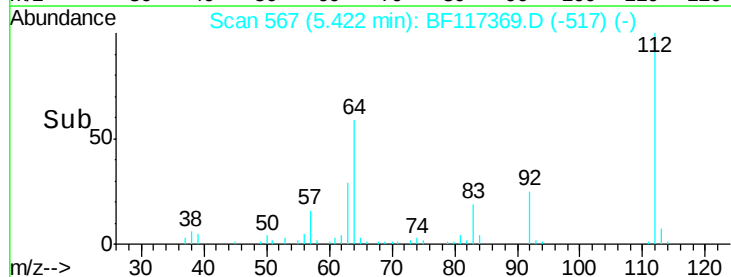
#5

2-Fluorophenol
Concen: 34.866 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

Tgt Ion:112 Resp: 95384
Ion Ratio Lower Upper
112 100
64 58.5 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: 39.666 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

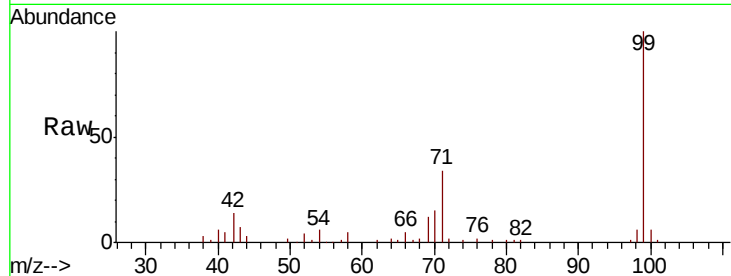
Tot Ion: 99 Resp: 140240

Ion Ratio Lower Upper

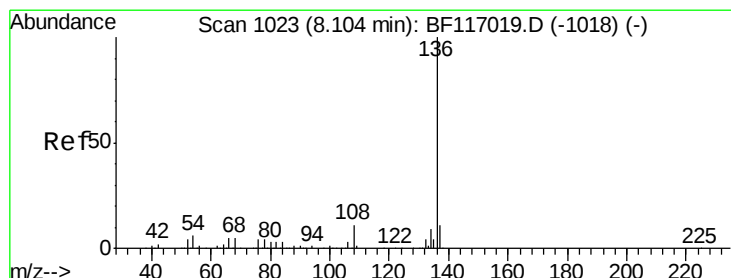
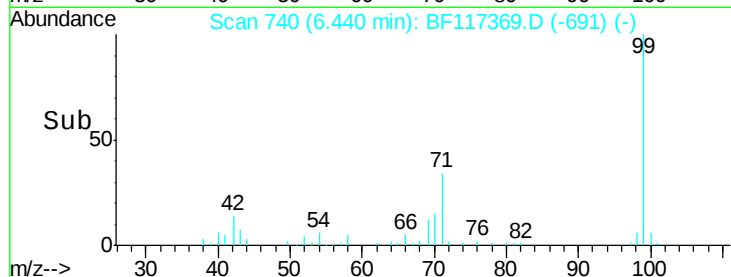
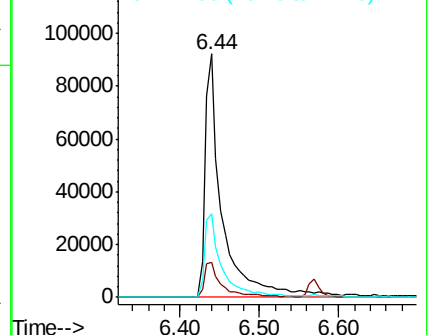
99 100

42 14.3 12.2 18.2

71 34.3 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Tgt Ion: 136 Resp: 175441

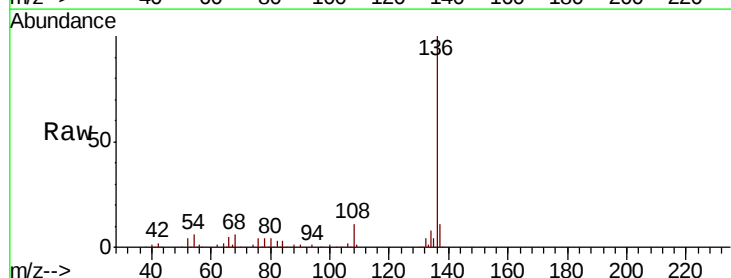
Ion Ratio Lower Upper

136 100

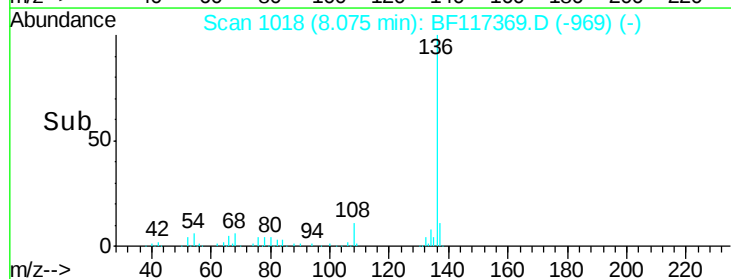
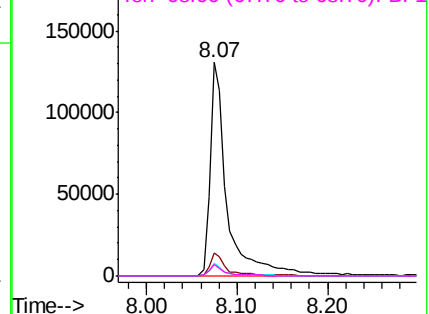
137 11.0 9.0 13.4

54 6.1 4.5 6.7

68 5.5 4.0 6.0



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

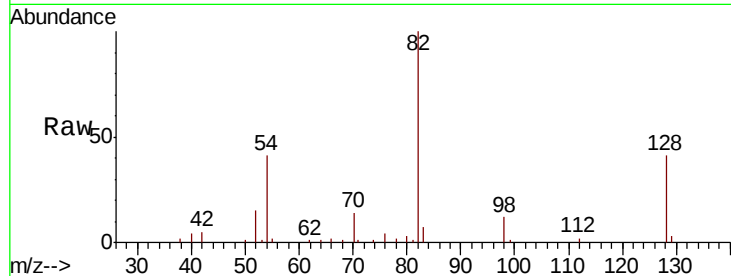




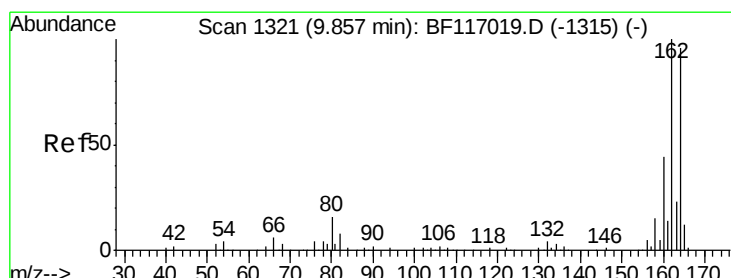
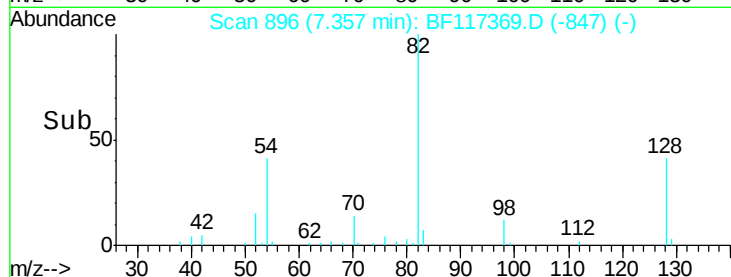
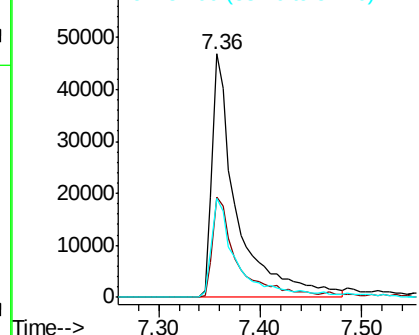
#23
 Nitrobenzene-d5
 Concen: 23.996 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF117369.D
 Acq: 10 Oct 2019 19:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-100919

Tot Ion	82	Resp	80125
Ion Ratio	100	Lower	Upper
128	41.2	32.3	48.5
54	40.5	33.3	49.9

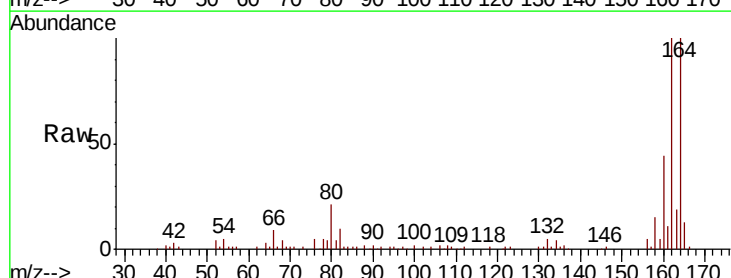


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

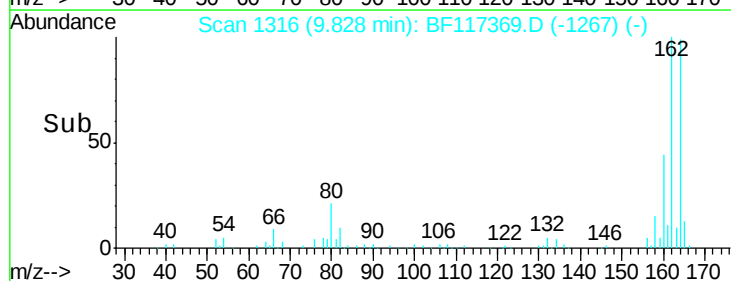
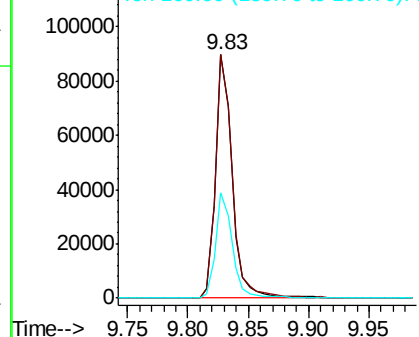


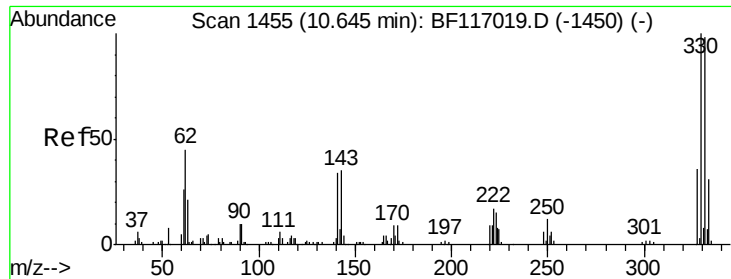
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF117369.D
 Acq: 10 Oct 2019 19:22

Tgt Ion	164	Resp	85186
Ion Ratio	100	Lower	Upper
162	100.1	83.4	125.2
160	43.6	36.4	54.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

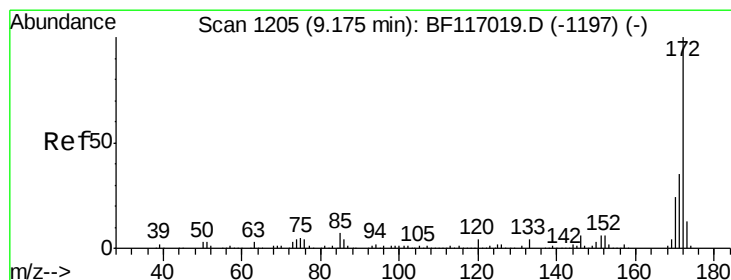
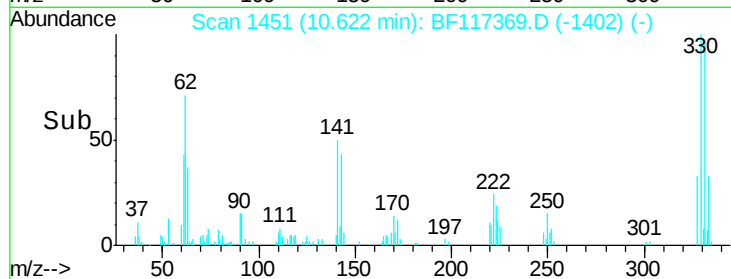
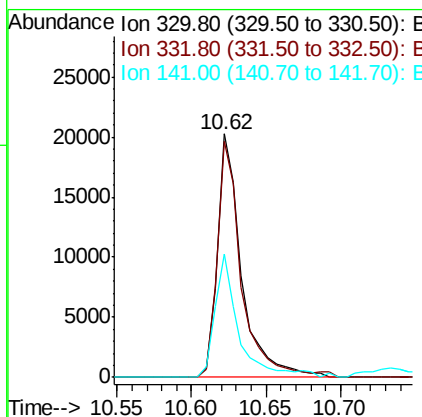
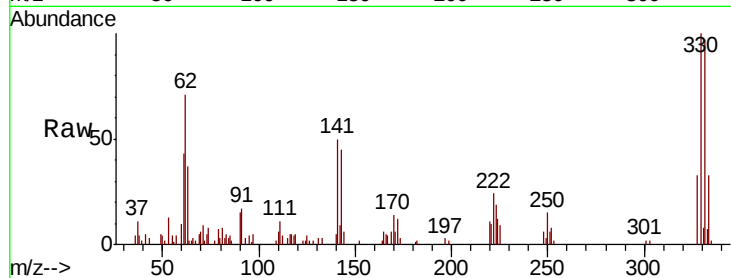




#42
 2,4,6-Tribromophenol
 Concen: 32.253 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF117369.D
 Acq: 10 Oct 2019 19:22

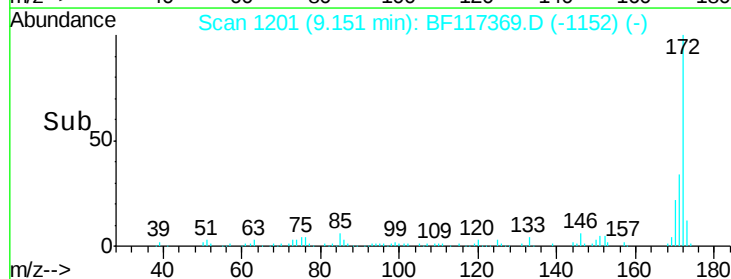
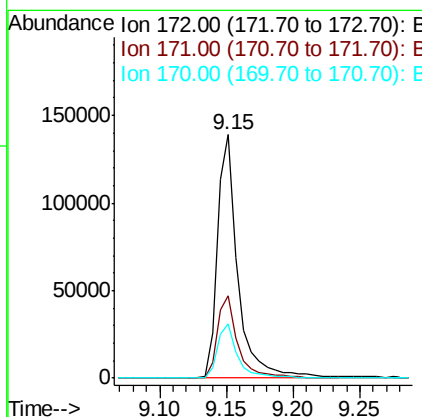
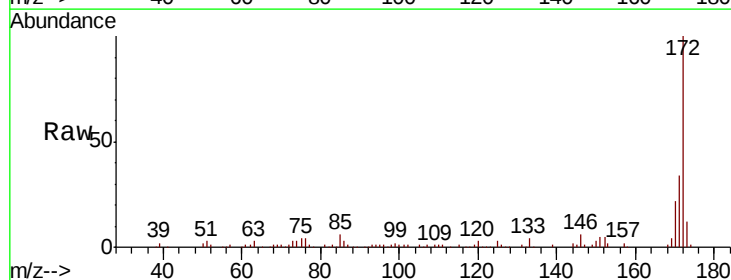
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-100919

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	49.8	35.8	53.6



#45
 2-Fluorobiphenyl
 Concen: 27.659 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF117369.D
 Acq: 10 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.2	42.2
170	22.4	18.9	28.3

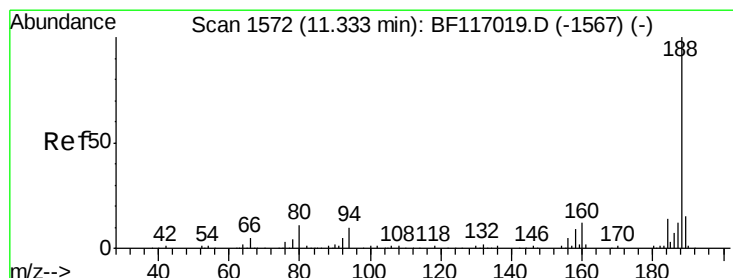
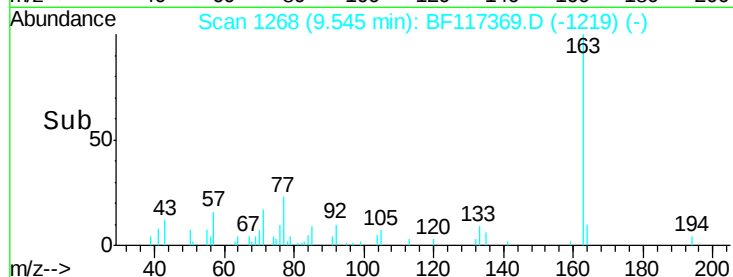
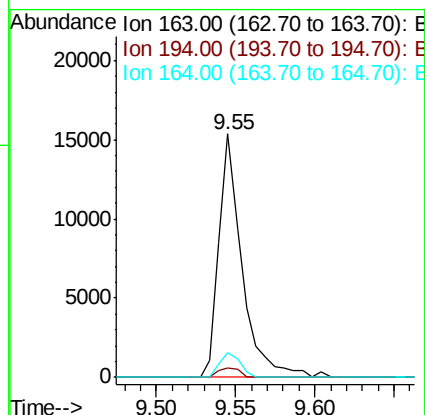
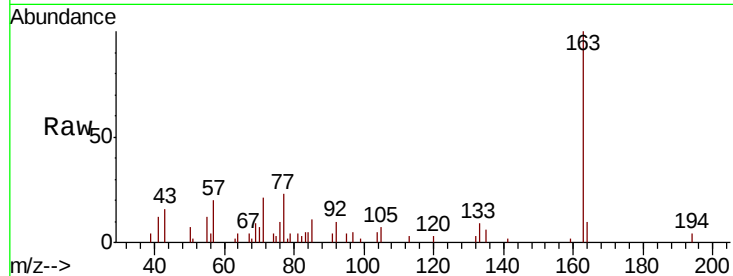




#50
Dimethylphthalate
Concen: 2.600 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

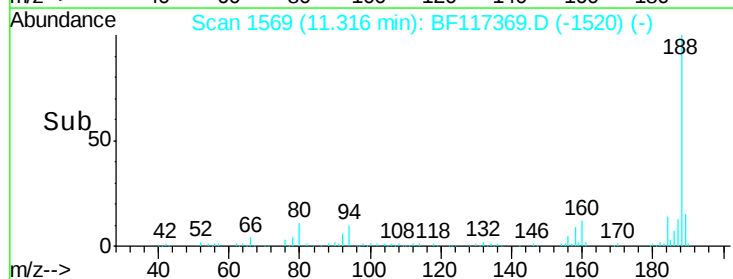
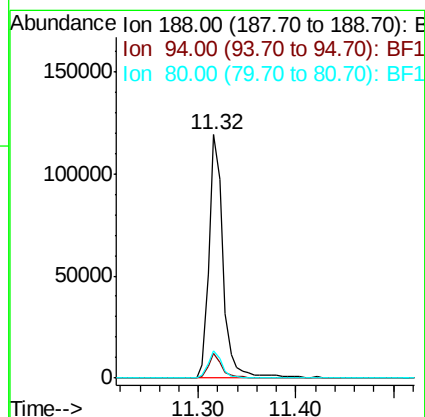
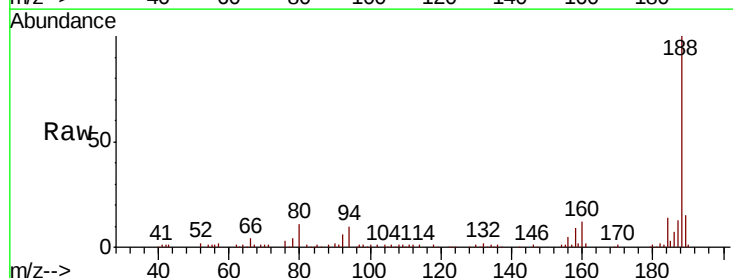
Instrument :
BNA_F
ClientSampleId :
HD-01-100919

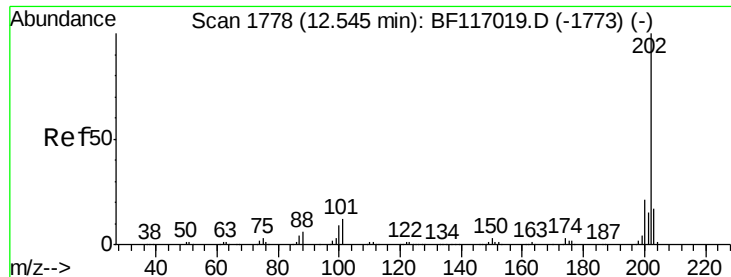
Tot Ion:163 Resp: 15682
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 10.4 8.2 12.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

Tgt Ion:188 Resp: 120155
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 11.1 9.0 13.6





#75

Fluoranthene

Concen: 3.454 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

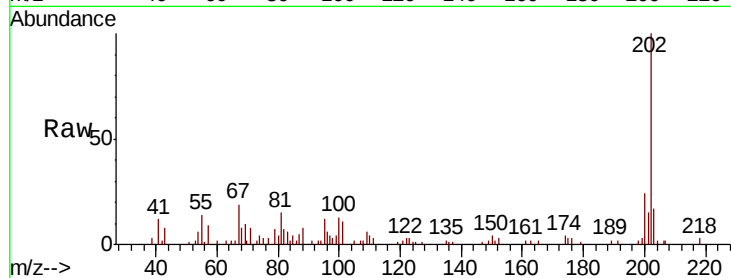
Tot Ion:202 Resp: 24219

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.3

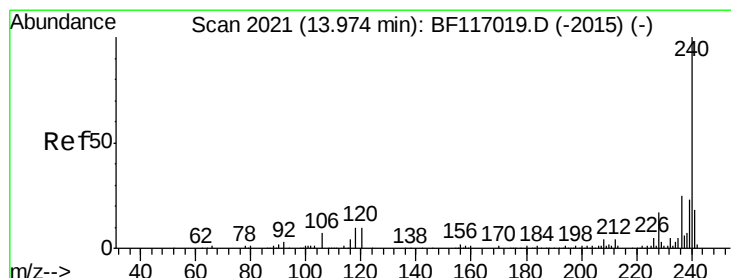
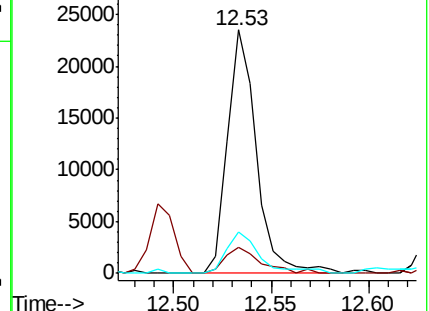
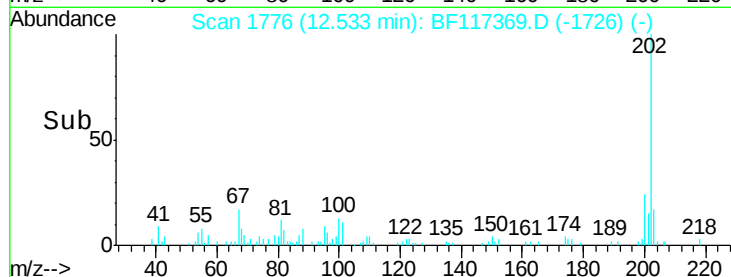
203 17.0 0.0 37.1



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: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

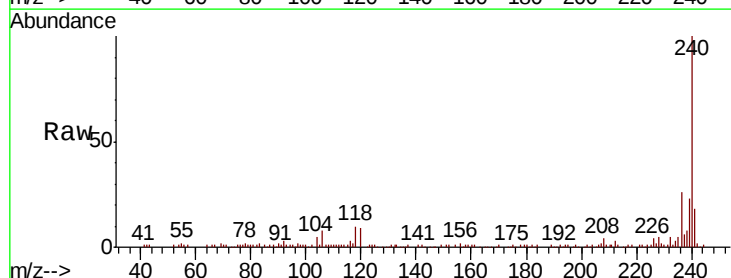
Tgt Ion:240 Resp: 84398

Ion Ratio Lower Upper

240 100

120 9.4 8.3 12.5

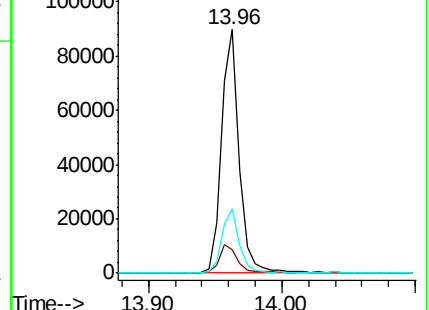
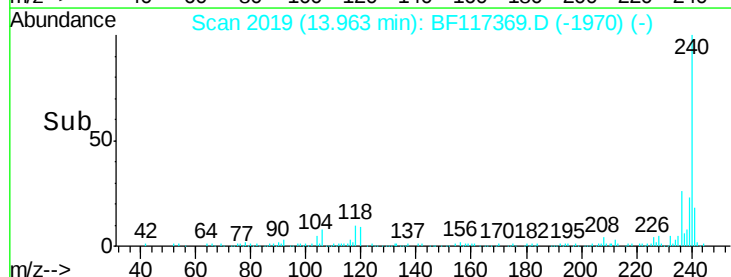
236 26.3 20.3 30.5

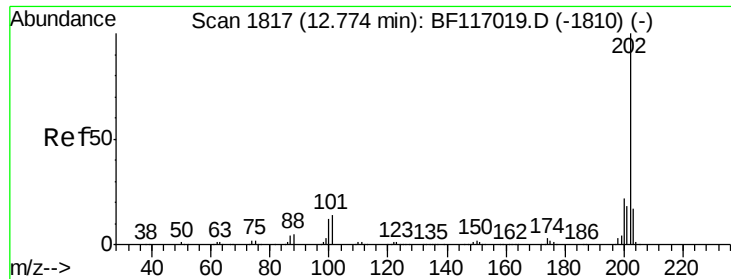


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

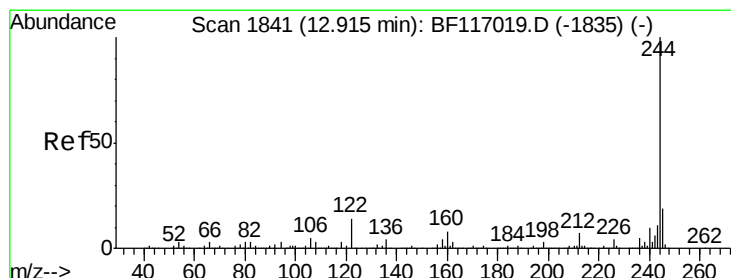
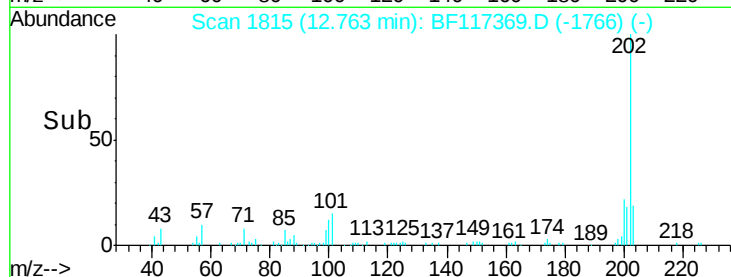
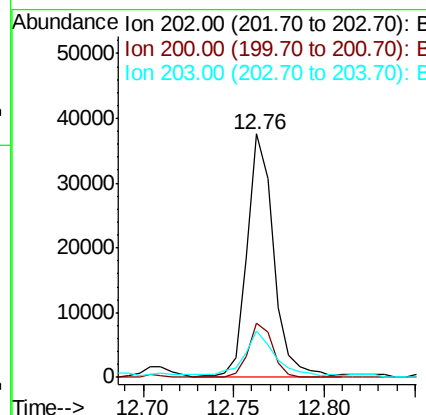
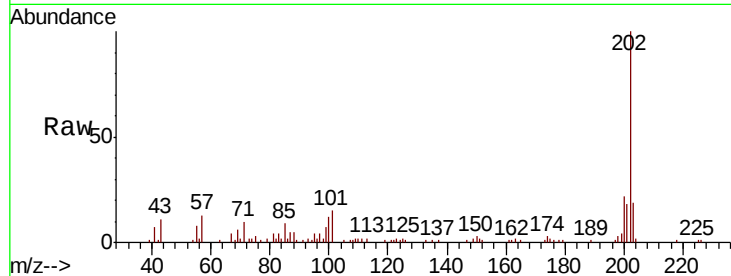




#78
Pvrene
Concen: 5.451 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

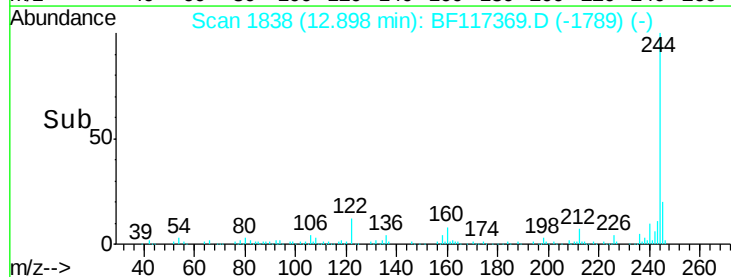
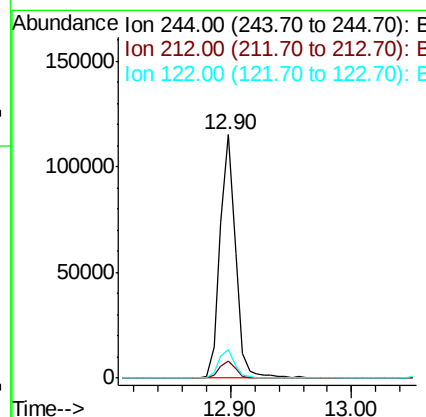
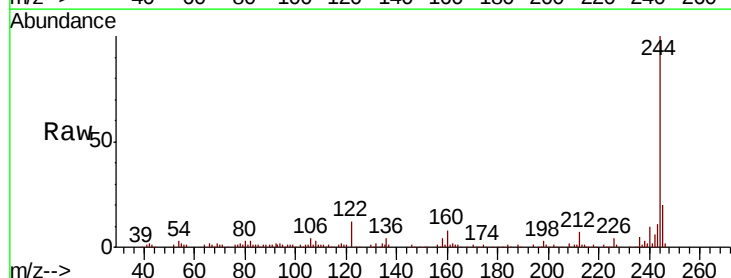
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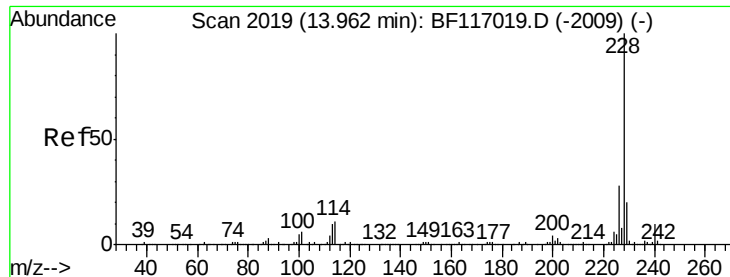
Tot Ion:202 Resp: 38605
Ion Ratio Lower Upper
202 100
200 22.4 17.2 25.8
203 19.1 14.0 21.0



#79
Terphenyl-d14
Concen: 22.474 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

Tgt Ion:244 Resp: 101471
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 12.0 11.3 16.9





#81

Benzo(a)anthracene

Concen: 3.136 ng m

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

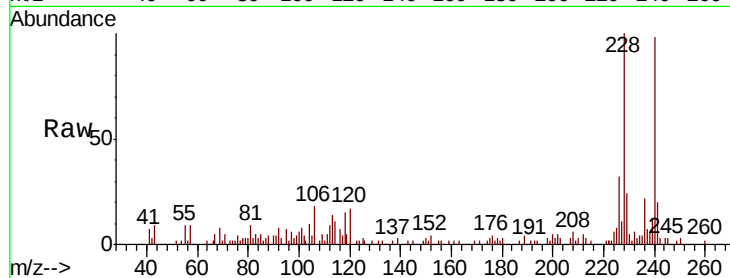
Tot Ion:228 Resp: 17681

Ion Ratio Lower Upper

228 100

226 31.5 22.3 33.5

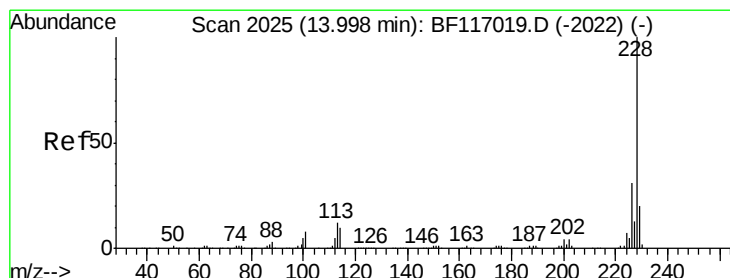
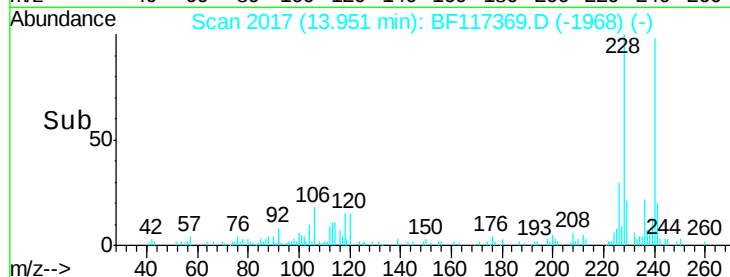
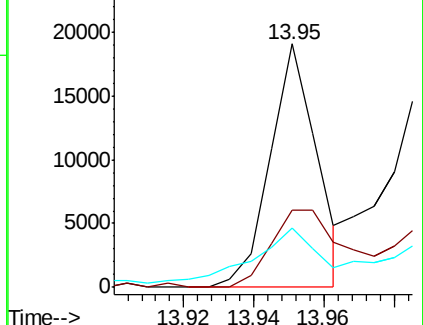
229 24.3 15.9 23.9#



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: 3.574 ng m

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

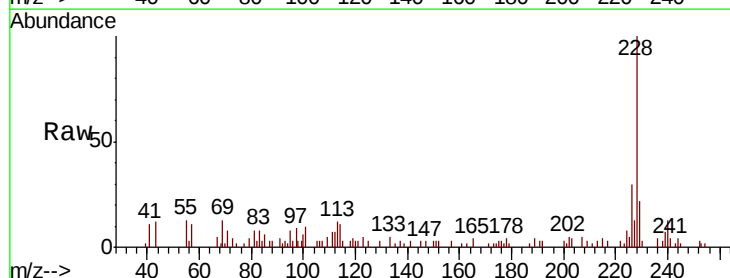
Tgt Ion:228 Resp: 19656

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

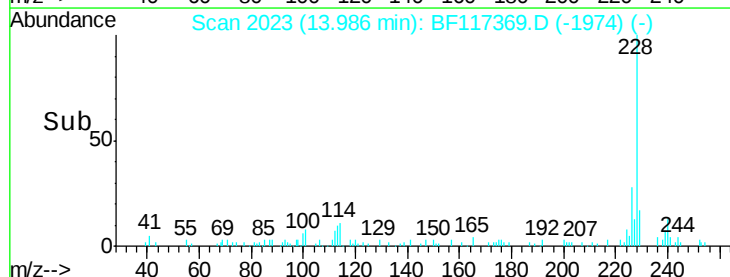
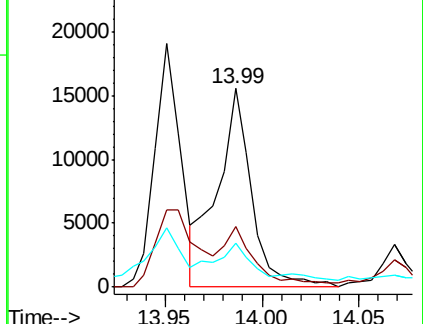
229 21.9 15.8 23.8

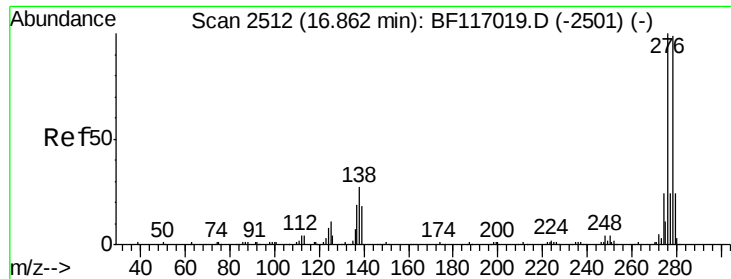


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

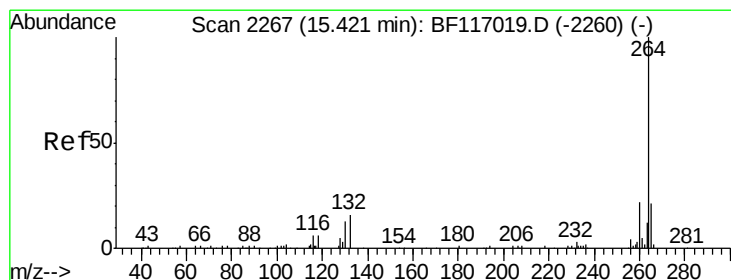
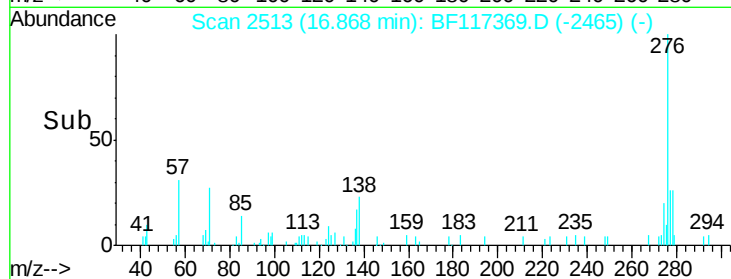
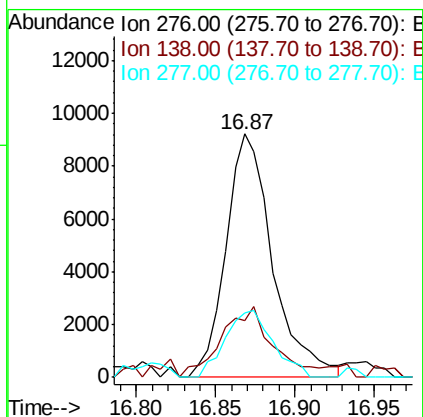
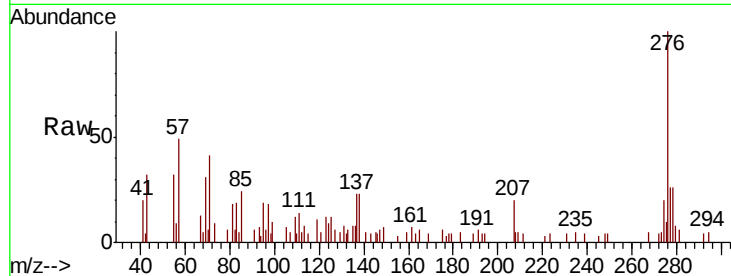




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.700 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. -0.02 min
 Lab File: BF117369.D
 Acq: 10 Oct 2019 19:22

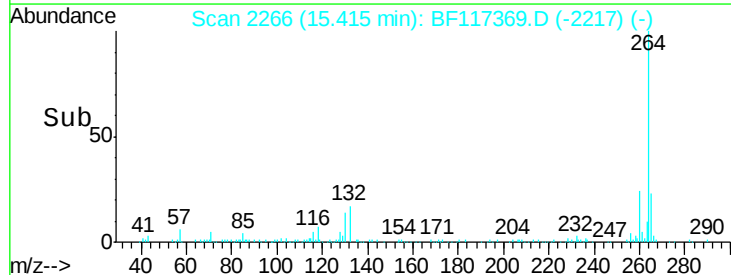
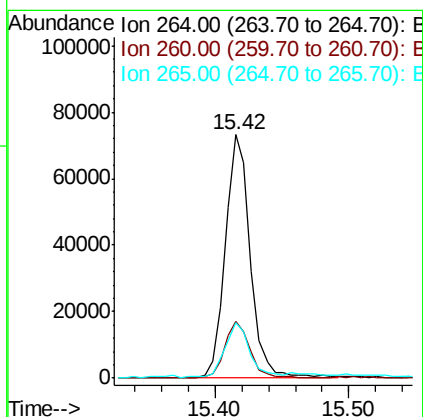
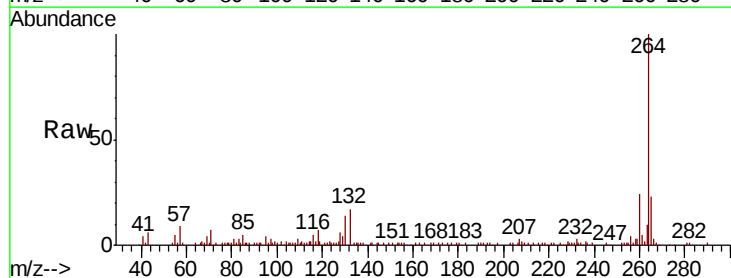
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-100919

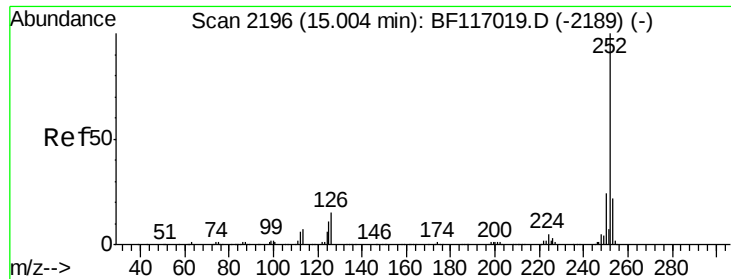
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.9	20.7	31.1#
277	27.9	19.8	29.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF117369.D
 Acq: 10 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.6	26.4
265	22.9	16.6	24.8





#88

Benzo(b)fluoranthene

Concen: 6.218 ng m

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

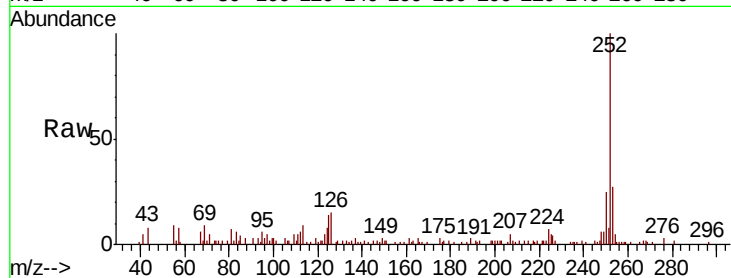
Tot Ion:252 Resp: 36244

Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

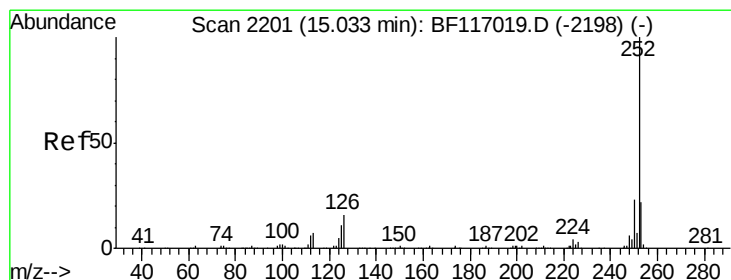
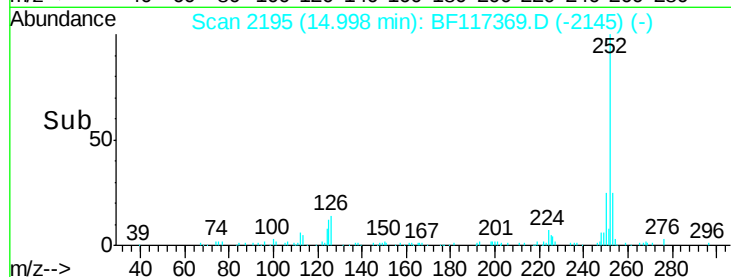
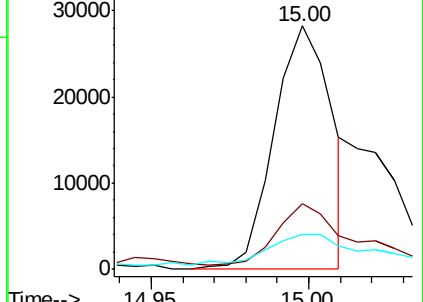
125 14.5 8.6 12.8#



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: 3.189 ng m

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

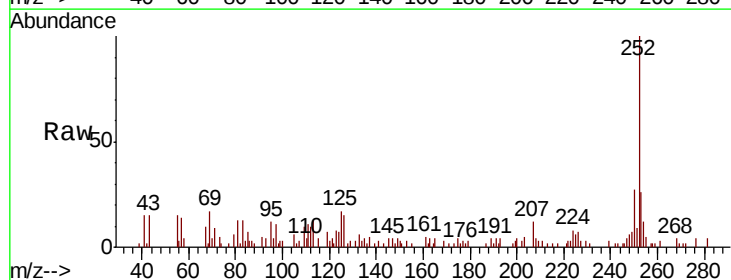
Tgt Ion:252 Resp: 17605

Ion Ratio Lower Upper

252 100

253 25.9 17.4 26.2

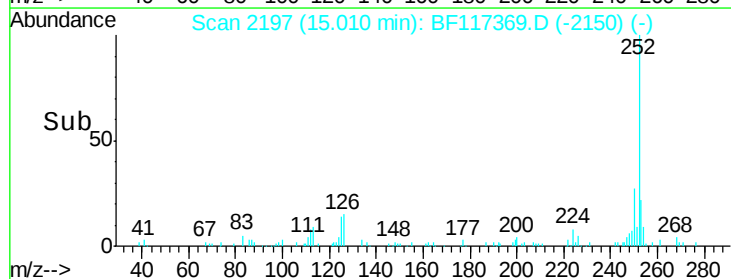
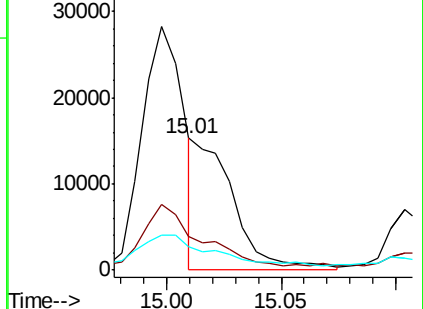
125 17.3 8.8 13.2#

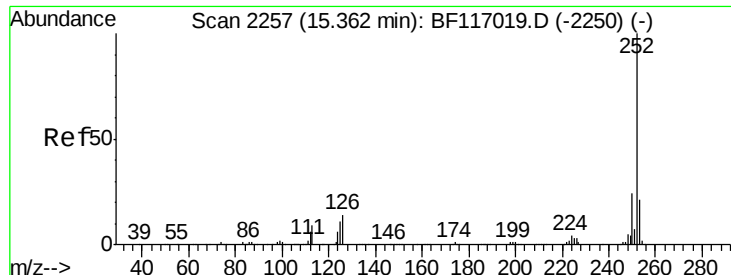


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.583 ng

RT: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

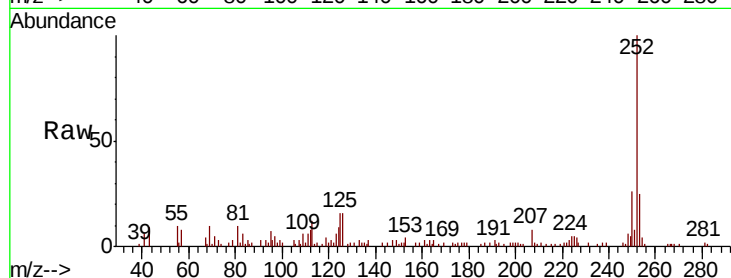
Tot Ion:252 Resp: 33670

Ion Ratio Lower Upper

252 100

253 24.7 16.6 25.0

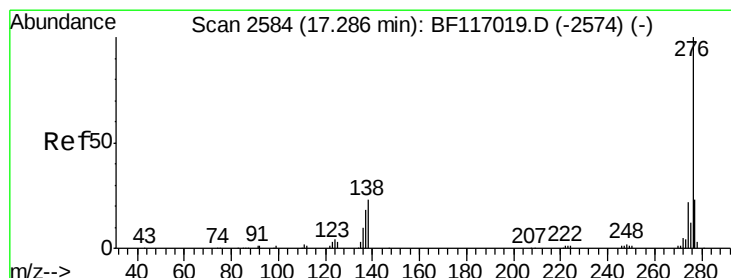
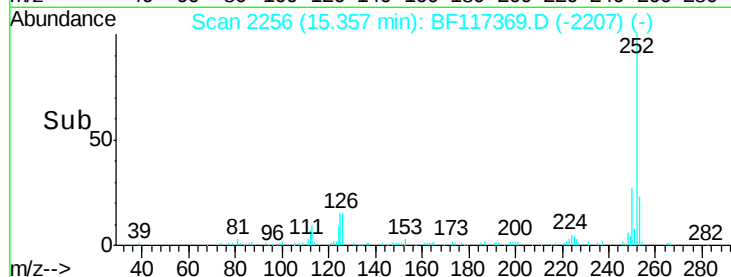
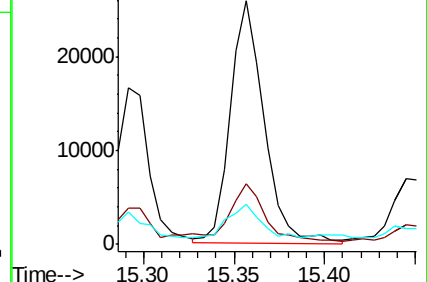
125 16.4 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 4.632 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

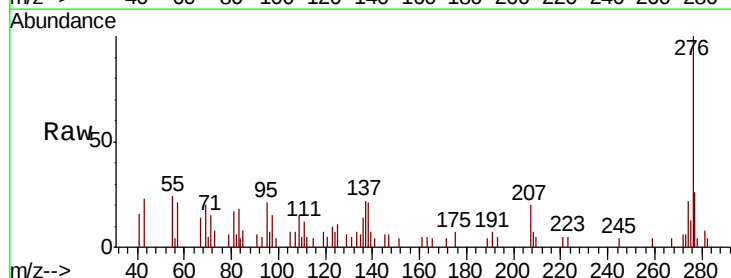
Tgt Ion:276 Resp: 18808

Ion Ratio Lower Upper

276 100

277 26.2 18.6 27.8

138 21.4 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

