

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 05:27:46 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

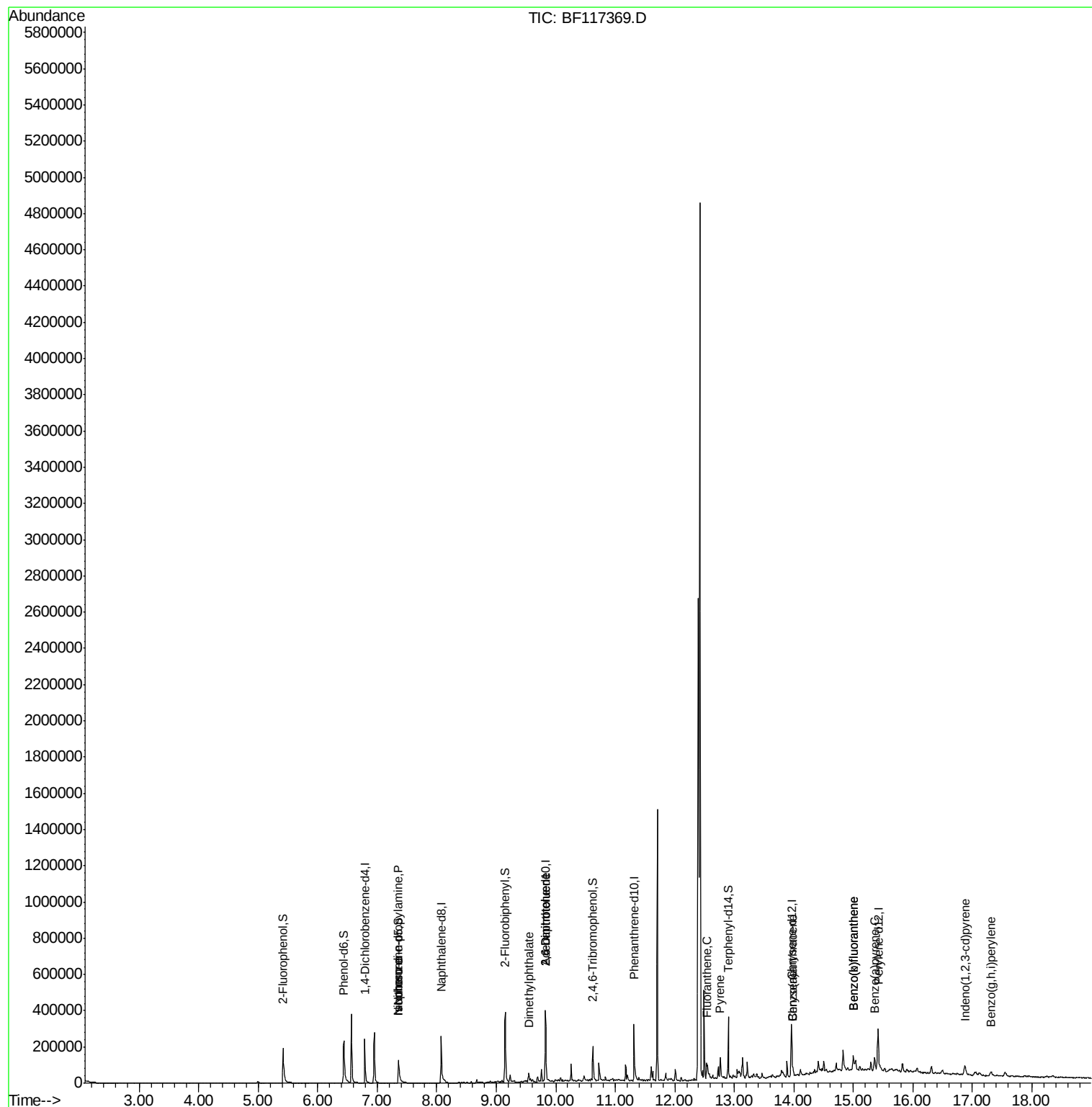
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	2200	Below Cal		93
19) n-Nitroso-di-n-propylamine	7.36	70	10469	4.863	ng	# 77
25) Isophorone	7.36	82	80125	13.553	ng	# 66
50) Dimethylphthalate	9.55	163	15682	2.600	ng	99
51) 2,6-Dinitrotoluene	9.83	165	11223	9.136	ng	# 26
57) 2,4-Dinitrotoluene	9.83	165	11223	7.038	ng	# 20
75) Fluoranthene	12.53	202	24219	3.454	ng	98
78) Pyrene	12.76	202	38605	5.451	ng	97
81) Benzo(a)anthracene	13.99	228	17685	3.136	ng	96
83) Chrysene	13.99	228	17685	3.216	ng	97
86) Indeno(1,2,3-cd)pyrene	16.87	276	18856	4.700	ng	# 91
88) Benzo(b)fluoranthene	15.00	252	53850	9.239	ng	# 90
89) Benzo(k)fluoranthene	15.00	252	53850	9.753	ng	# 89
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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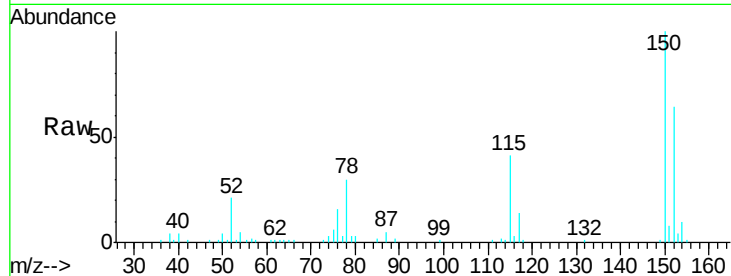


#1

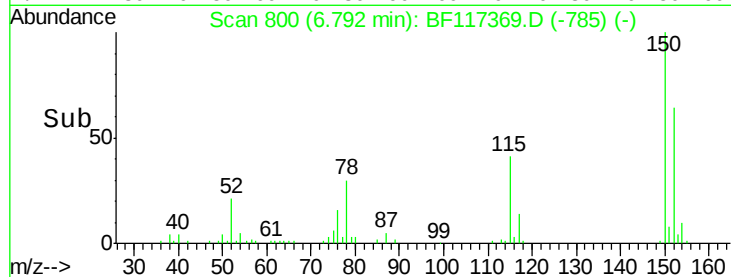
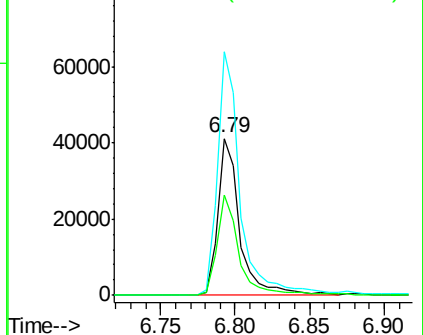
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

Instrument :
BNA_F
ClientSampleId :
HD-01-100919

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



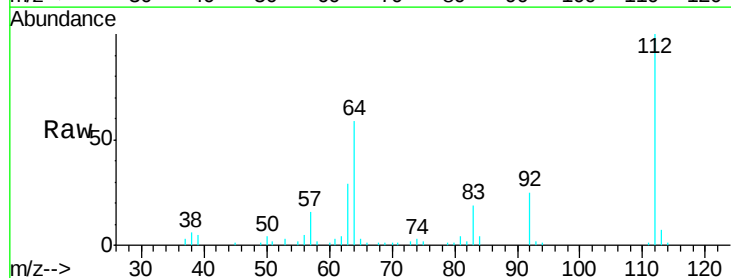
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



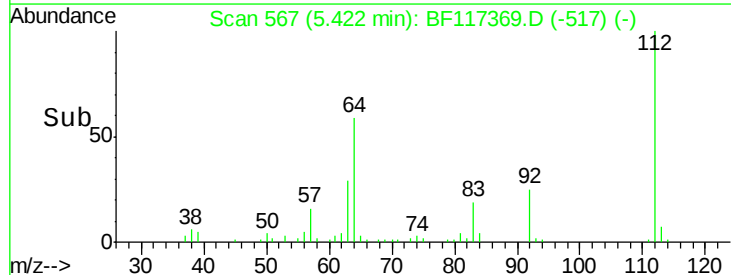
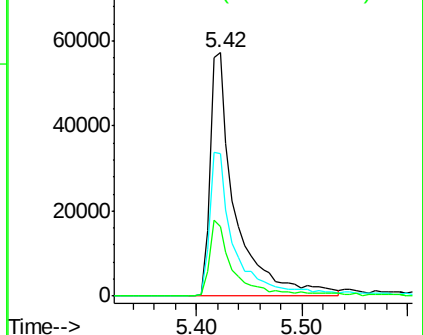
#5

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

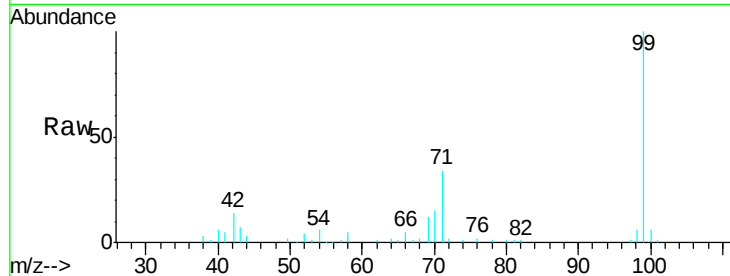
Tgt Ion: 99 Resp: 140240

Ion Ratio Lower Upper

99 100

42 14.3 12.2 18.2

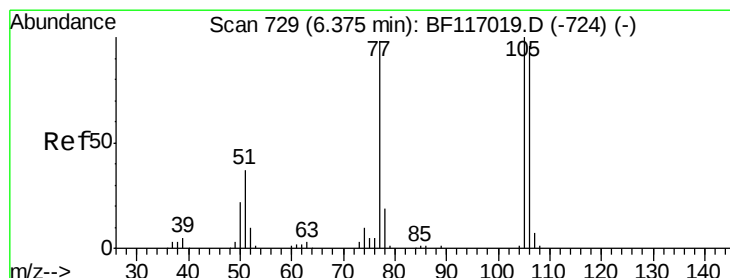
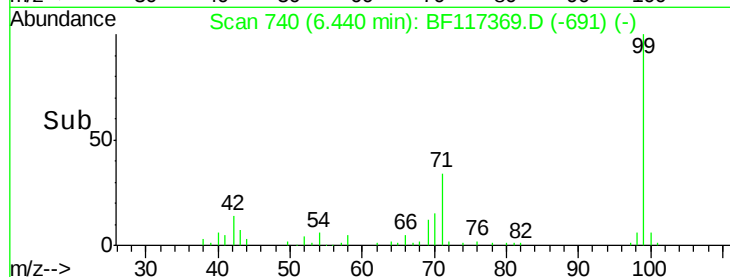
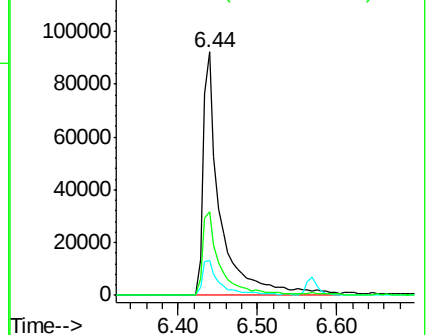
71 34.3 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.57 min Scan# 762

Delta R.T. 0.21 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

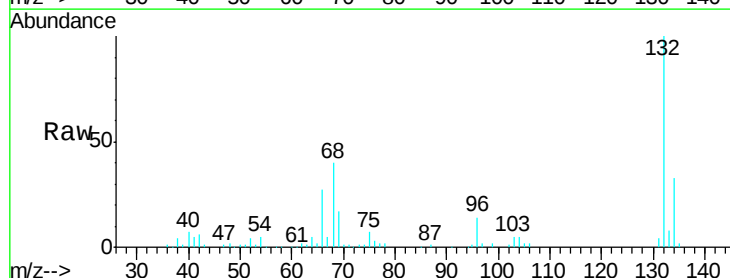
Tgt Ion: 77 Resp: 2200

Ion Ratio Lower Upper

77 100

105 104.1 81.8 121.8

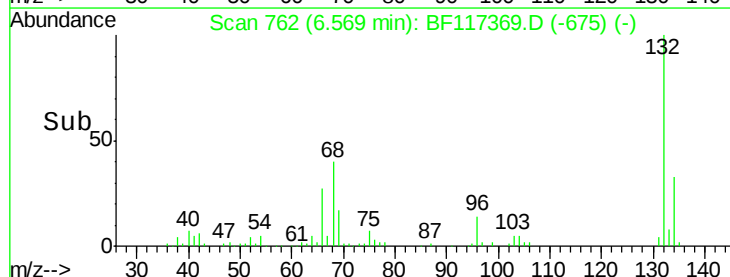
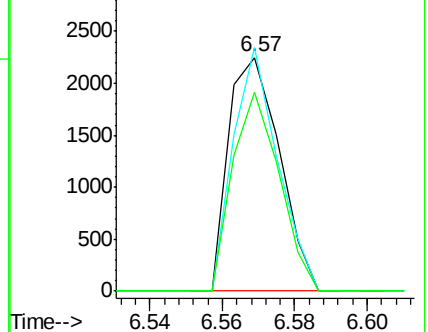
106 84.8 77.3 117.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

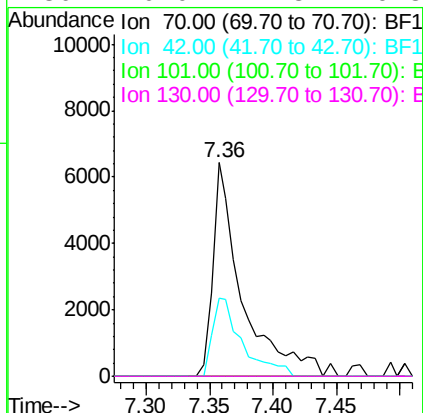
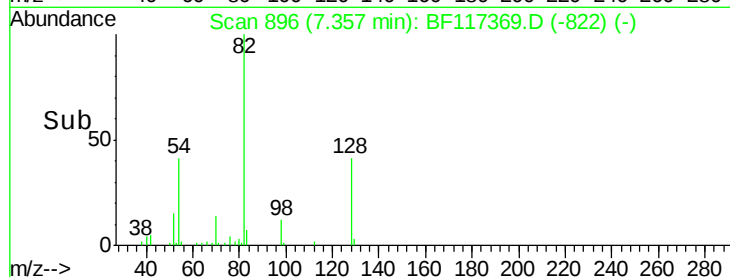
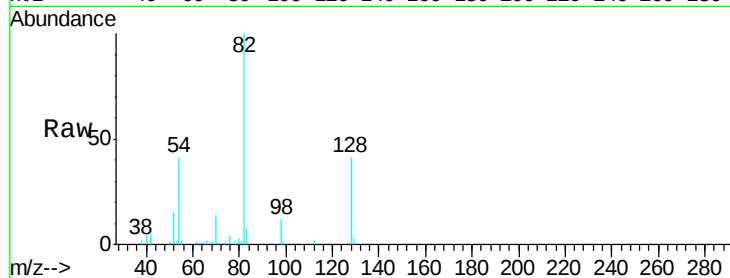




#19
n-Nitroso-di-n-propylamine
Concen: 4.863 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

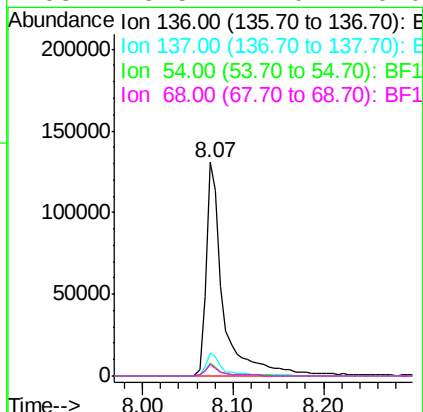
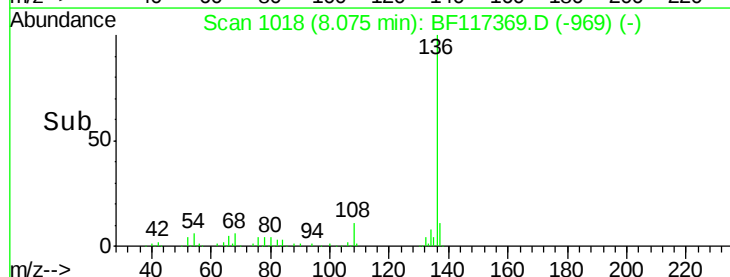
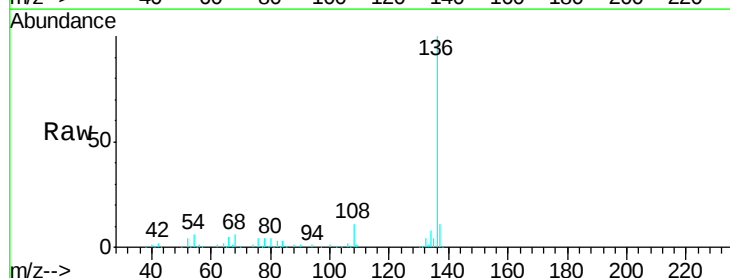
Instrument :
BNA_F
ClientSampleId :
HD-01-100919

Tgt Ion: 70 Resp: 10469
Ion Ratio Lower Upper
70 100
42 36.4 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#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

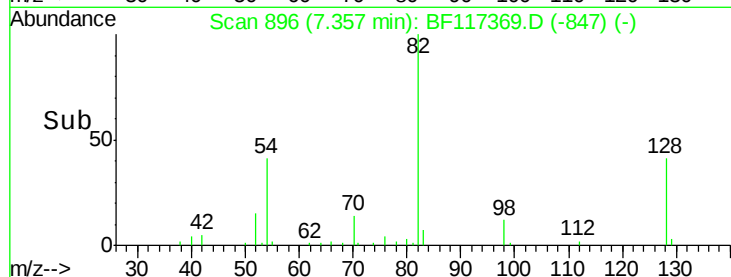
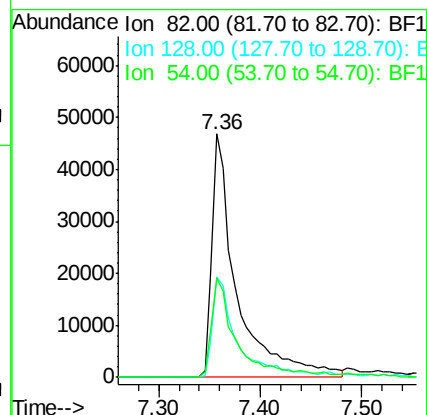
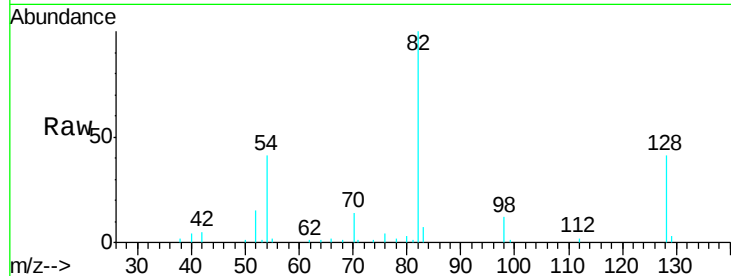




#23
Nitrobenzene-d5
Concen: 23.996 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

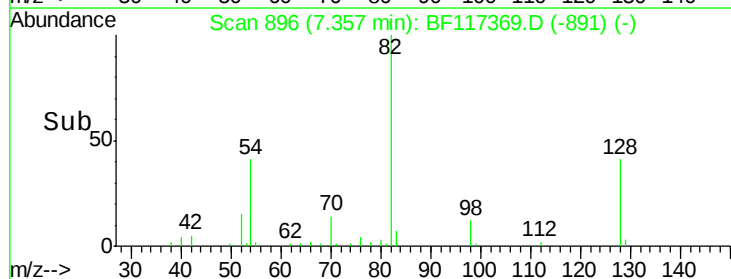
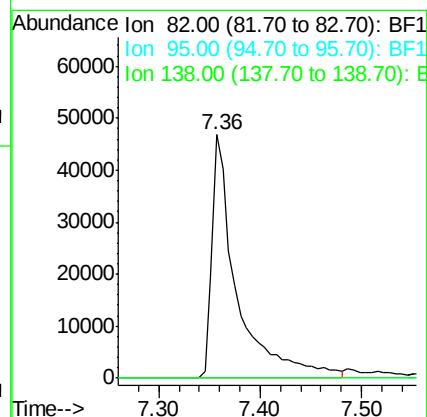
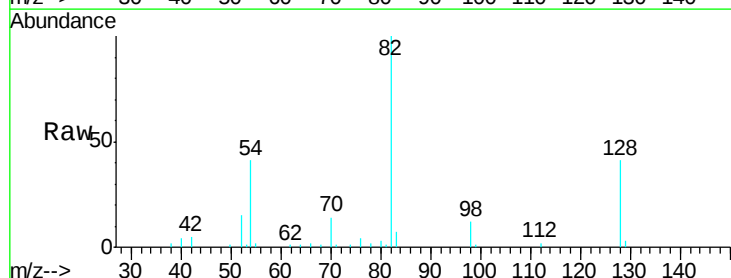
Instrument :
BNA_F
ClientSampleId :
HD-01-100919

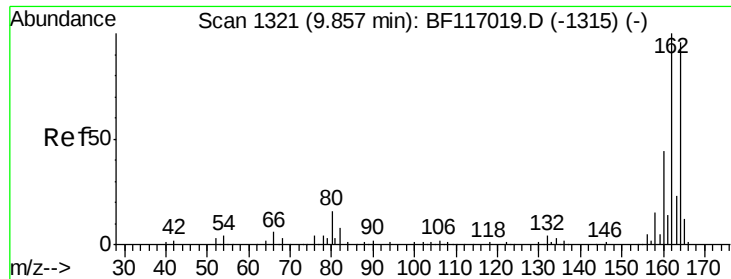
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.3	48.5
54	40.5	33.3	49.9



#25
Isophorone
Concen: 13.553 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.27 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

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





#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

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

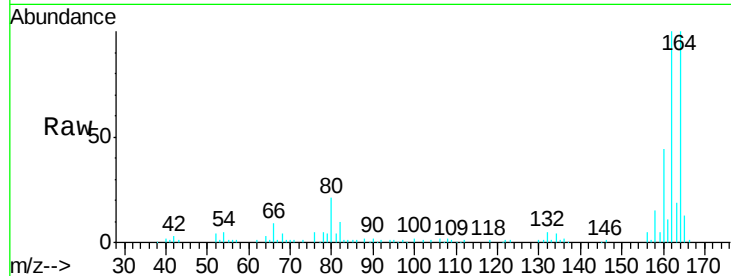
Tgt Ion:164 Resp: 85186

Ion Ratio Lower Upper

164 100

162 100.1 83.4 125.2

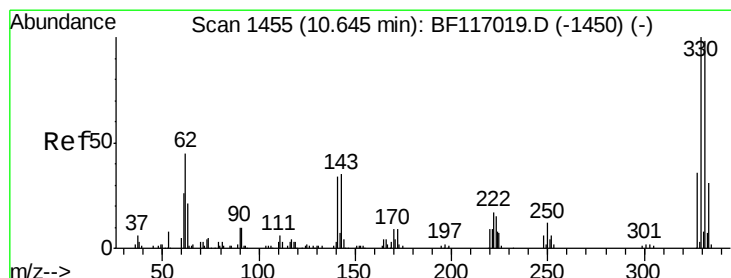
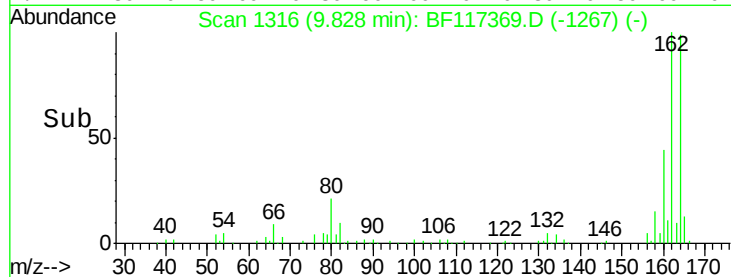
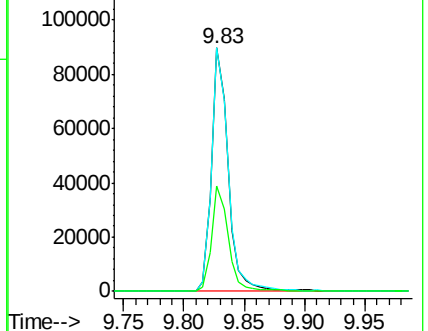
160 43.6 36.4 54.6



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: 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

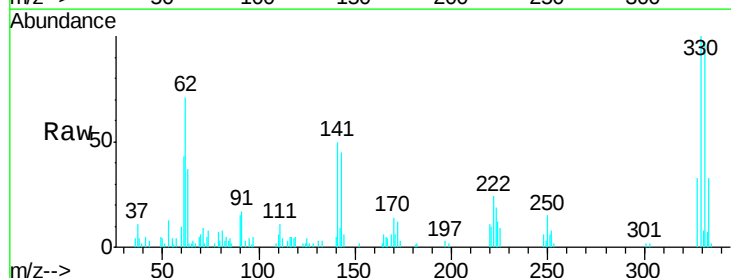
Tgt Ion:330 Resp: 22963

Ion Ratio Lower Upper

330 100

332 97.4 78.0 117.0

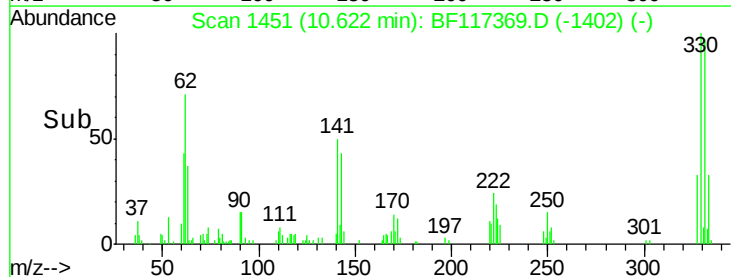
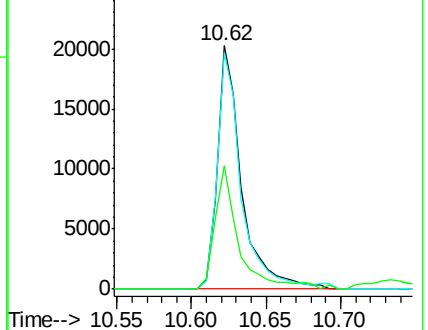
141 49.8 35.8 53.6

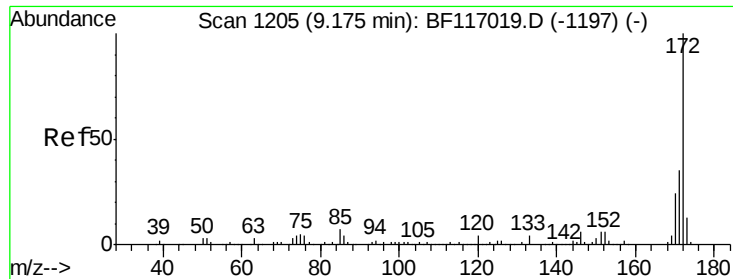


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

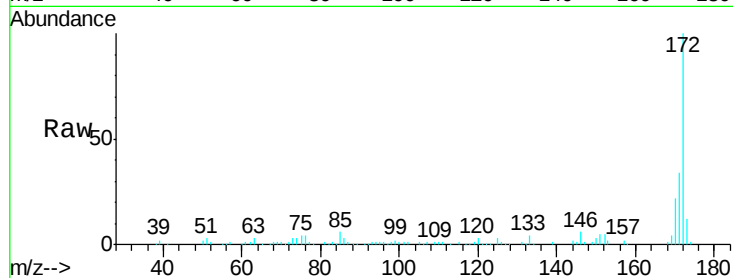




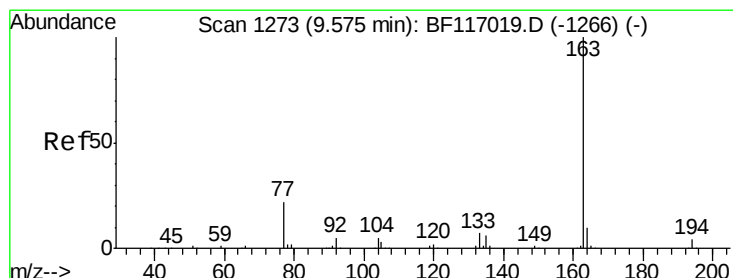
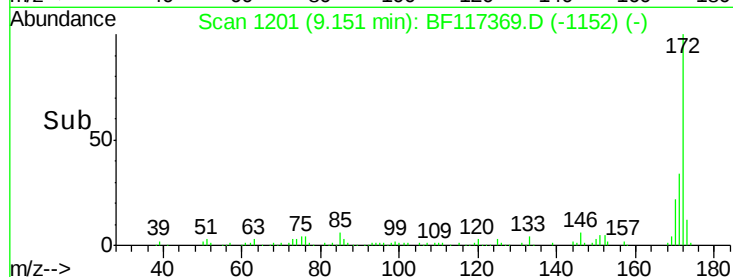
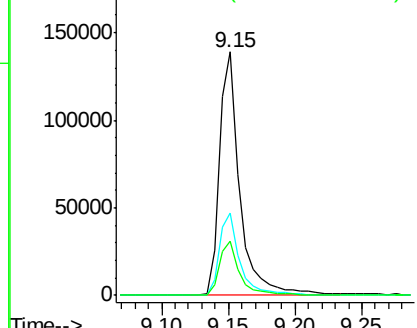
#45
2-Fluorobiphenyl
Concen: 27.659 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

Instrument :
BNA_F
ClientSampleId :
HD-01-100919

Tgt Ion:172 Resp: 150691
Ion Ratio Lower Upper
172 100
171 33.6 28.2 42.2
170 22.4 18.9 28.3

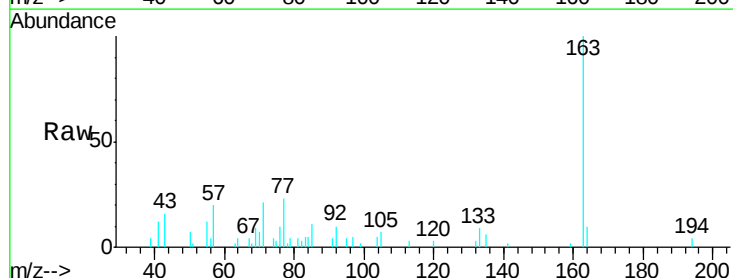


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

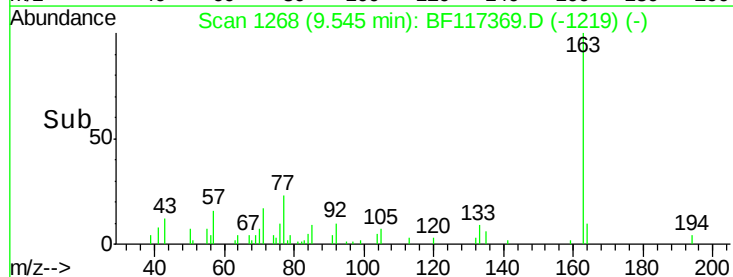
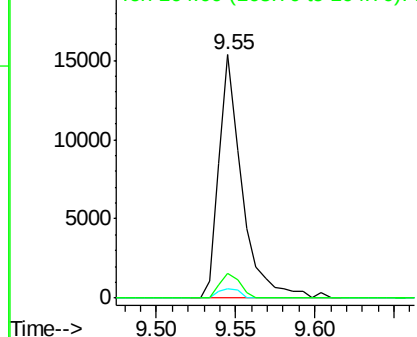


#50
Dimethylphthalate
Concen: 2.600 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117369.D
Acq: 10 Oct 2019 19:22

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



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





#51

2,6-Dinitrotoluene

Concen: 9.136 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.20 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

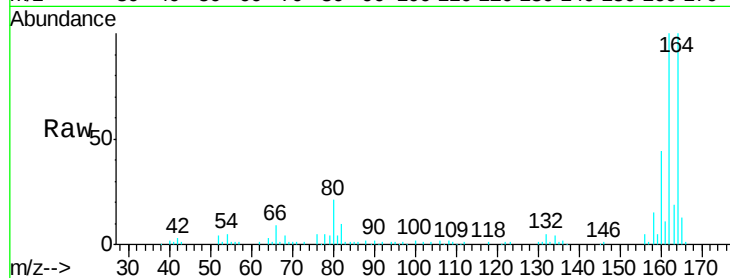
Tgt Ion:165 Resp: 11223

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

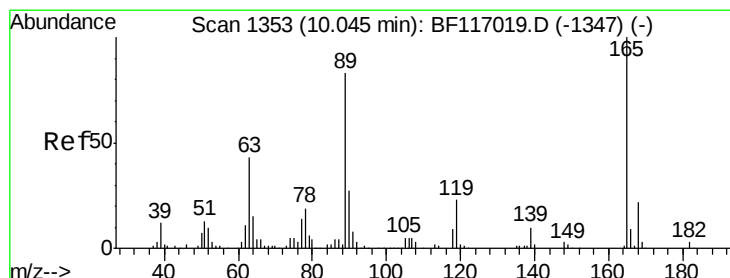
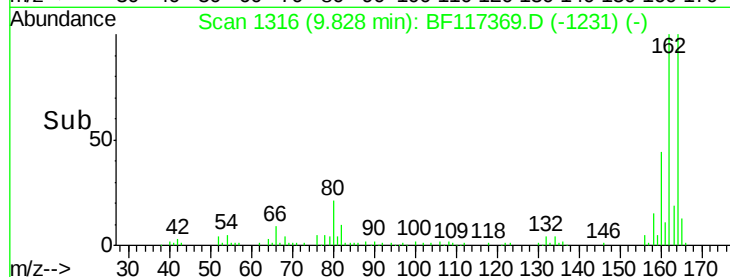
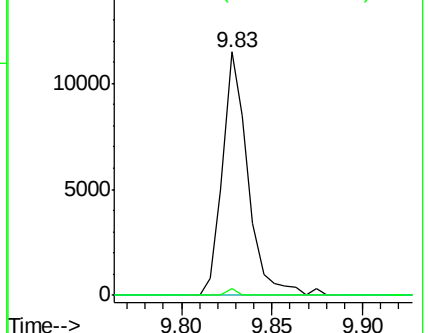
89 2.6 46.5 69.7#



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



#57

2,4-Dinitrotoluene

Concen: 7.038 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Tgt Ion:165 Resp: 11223

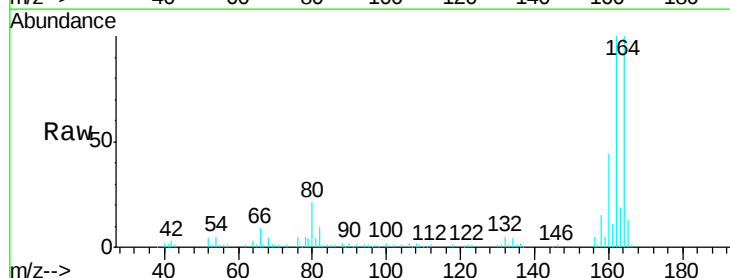
Ion Ratio Lower Upper

165 100

63 0.0 35.0 52.4#

89 2.6 66.1 99.1#

182 0.0 2.0 3.0#

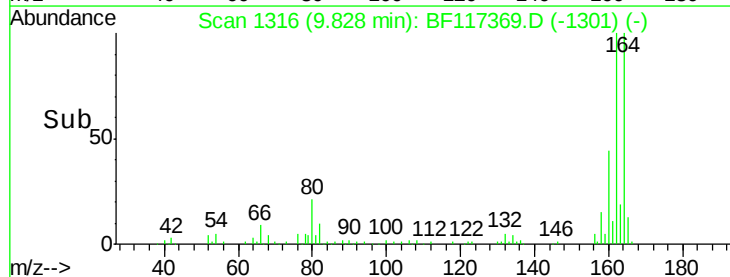
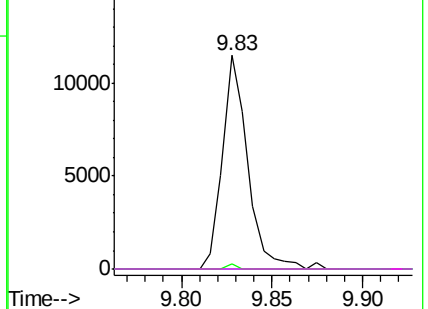


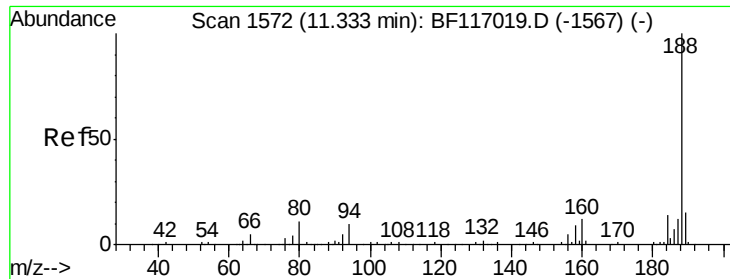
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

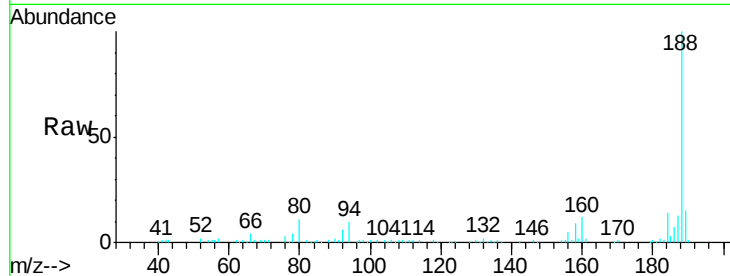
Tgt Ion:188 Resp: 120155

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

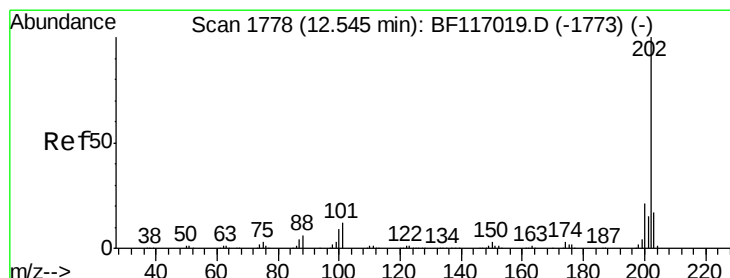
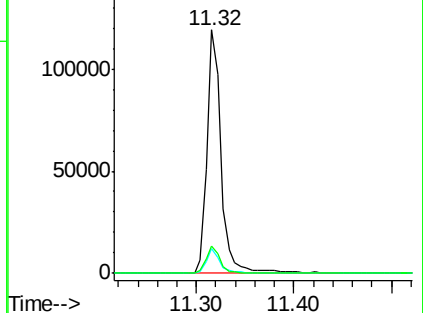
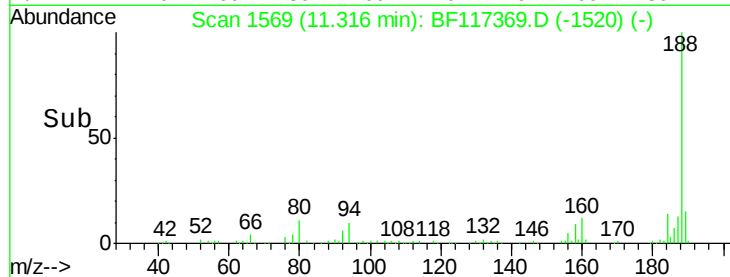
80 11.1 9.0 13.6



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



#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

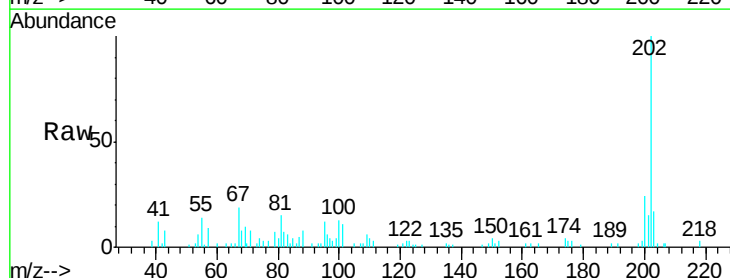
Tgt Ion:202 Resp: 24219

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.3

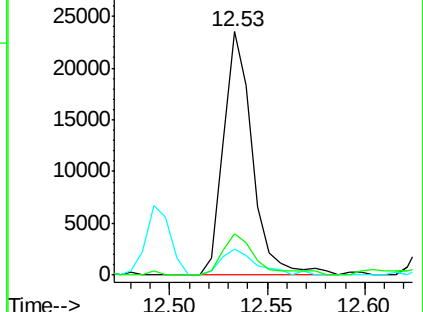
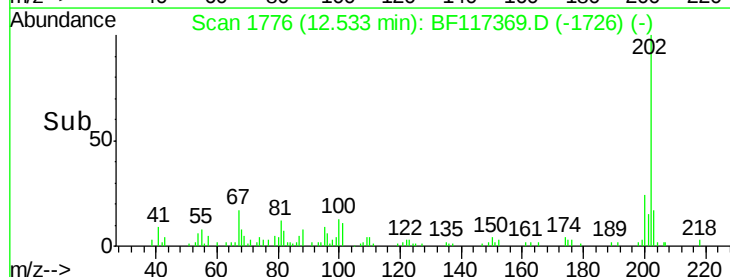
203 17.0 0.0 37.1

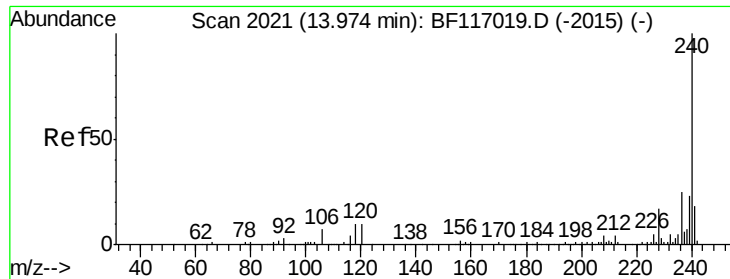


Abundance Ion 202.00 (201.70 to 202.70): E

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

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

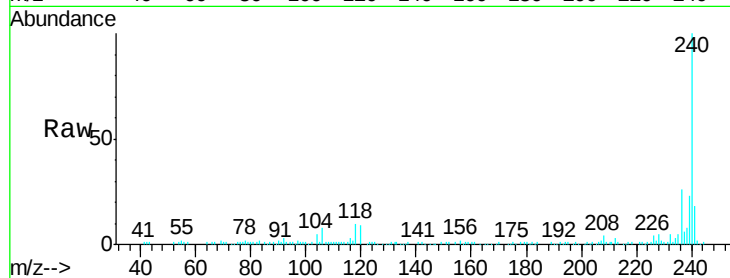
Tgt Ion:240 Resp: 84398

Ion Ratio Lower Upper

240 100

120 9.4 8.3 12.5

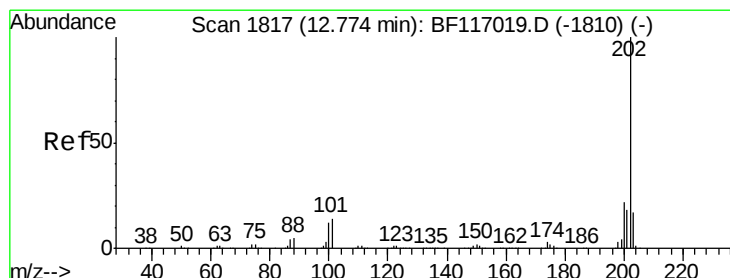
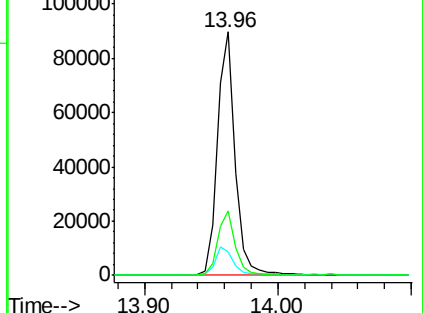
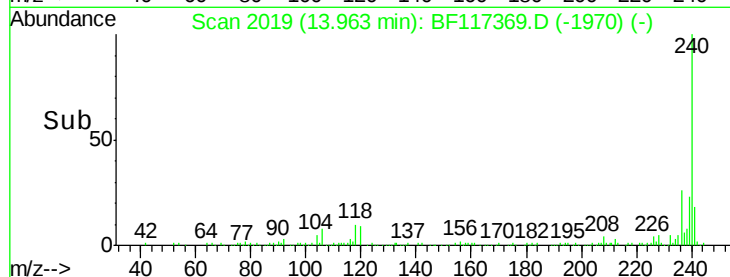
236 26.3 20.3 30.5



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

Pyrene

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

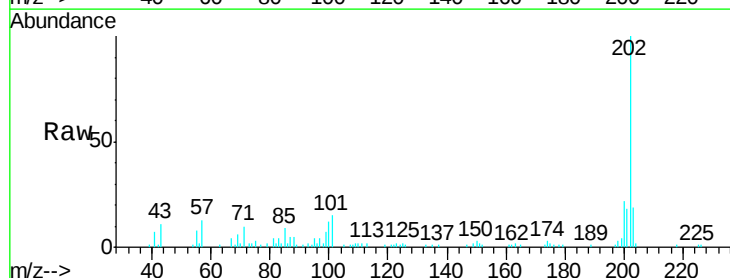
Tgt Ion:202 Resp: 38605

Ion Ratio Lower Upper

202 100

200 22.4 17.2 25.8

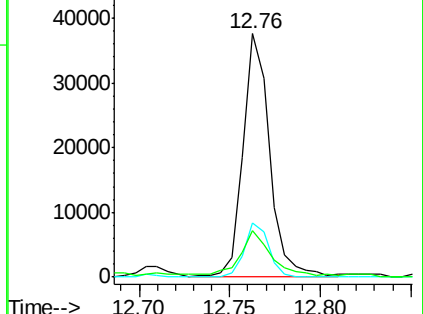
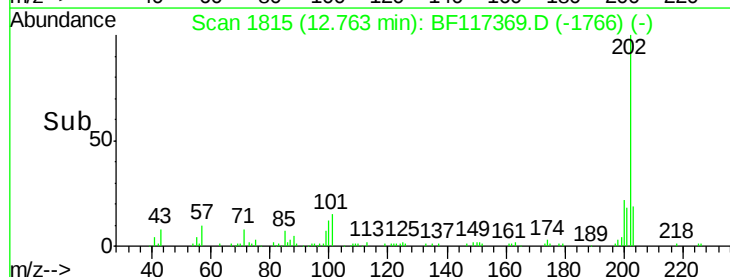
203 19.1 14.0 21.0

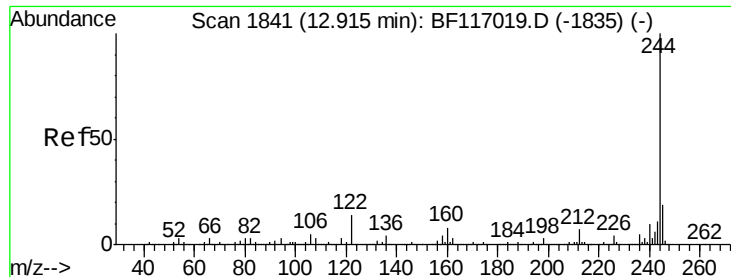


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 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

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

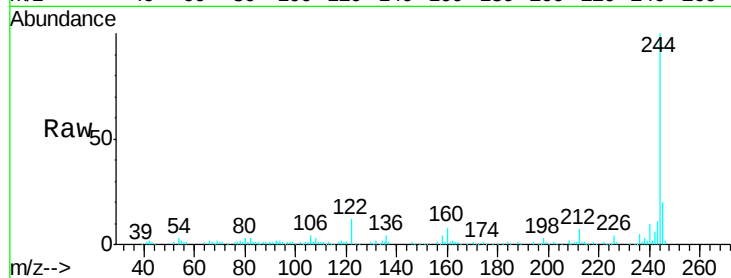
Tgt Ion:244 Resp: 101471

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

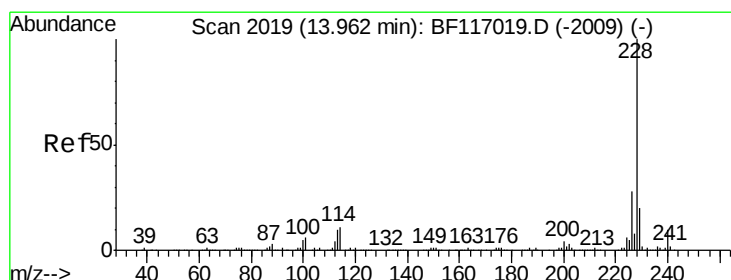
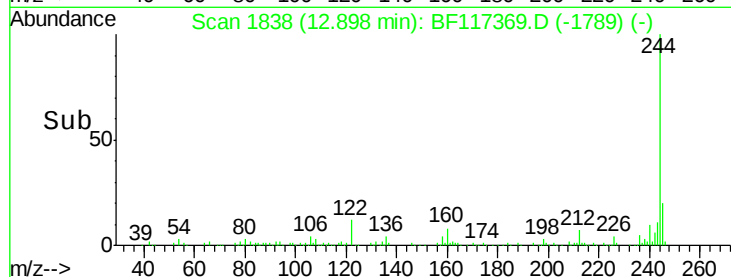
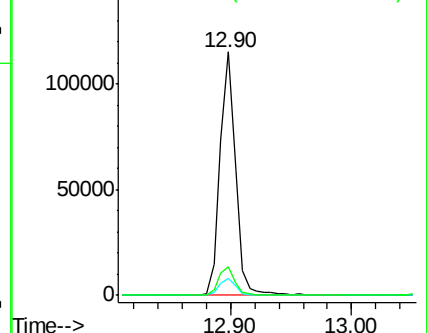
122 12.0 11.3 16.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.136 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.02 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

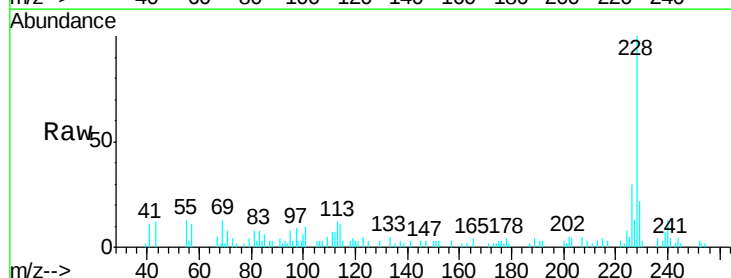
Tgt Ion:228 Resp: 17685

Ion Ratio Lower Upper

228 100

226 30.3 22.3 33.5

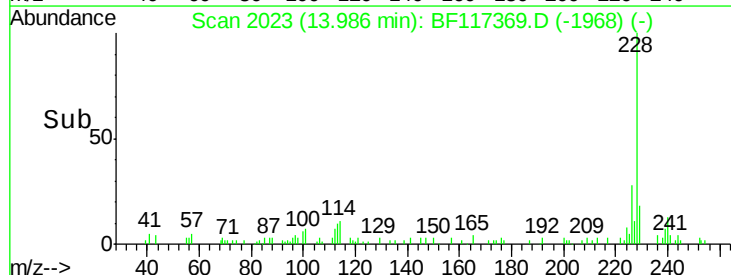
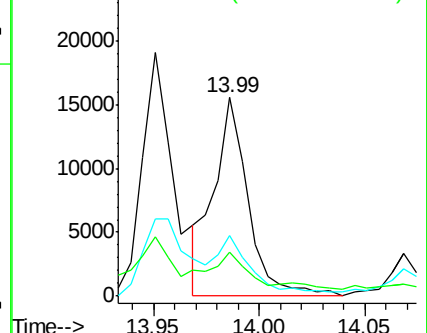
229 21.9 15.9 23.9

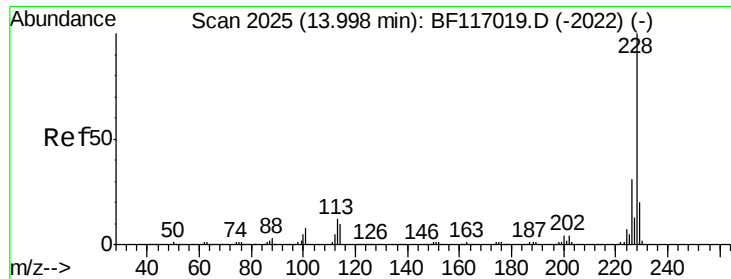


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.216 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

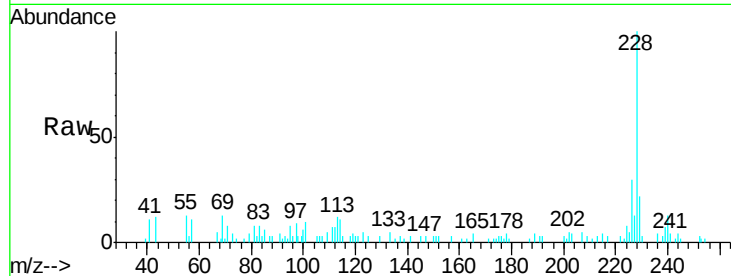
Tgt Ion:228 Resp: 17685

Ion Ratio Lower Upper

228 100

226 30.3 24.8 37.2

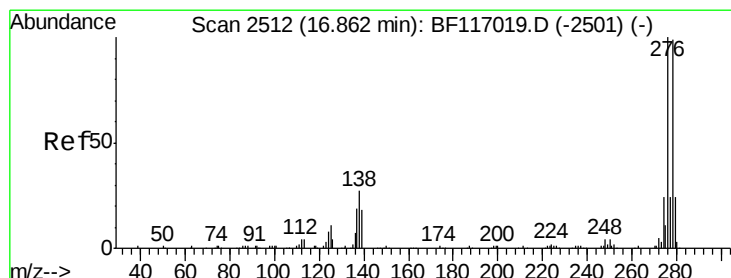
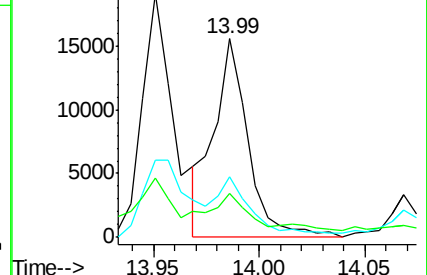
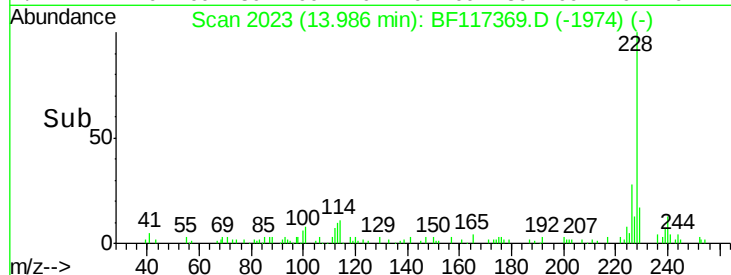
229 21.9 15.8 23.8



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

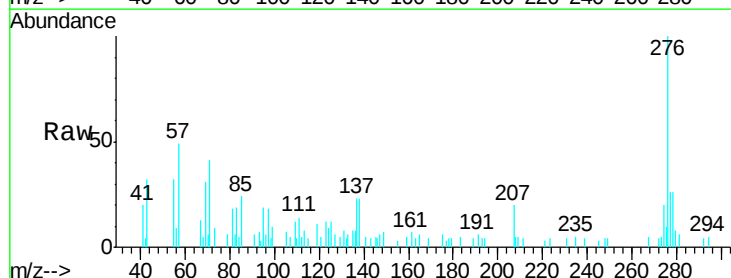
Tgt Ion:276 Resp: 18856

Ion Ratio Lower Upper

276 100

138 31.9 20.7 31.1#

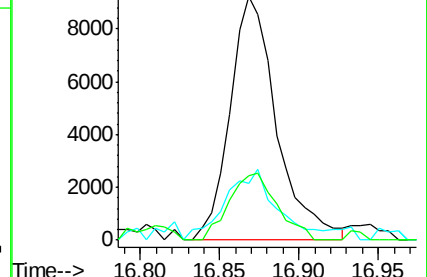
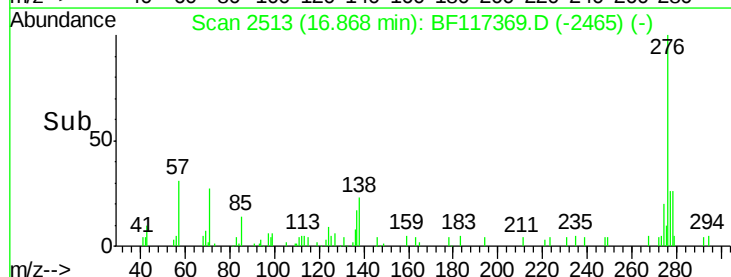
277 27.9 19.8 29.8

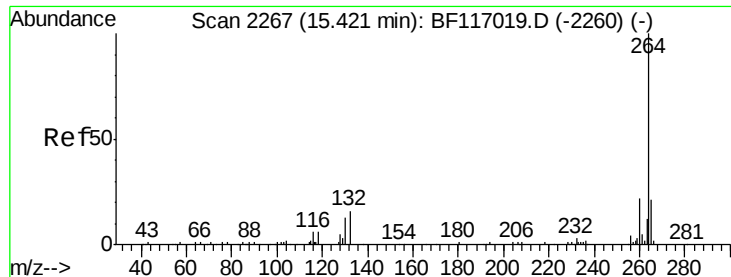


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

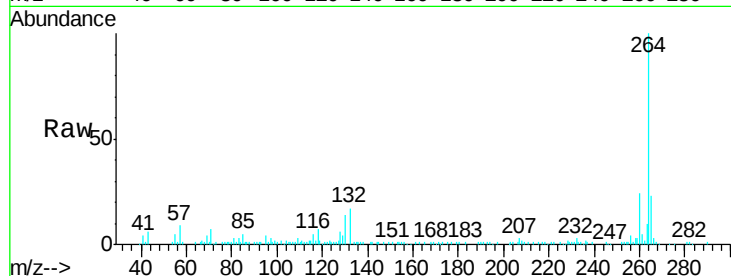
Tgt Ion:264 Resp: 96222

Ion Ratio Lower Upper

264 100

260 23.5 17.6 26.4

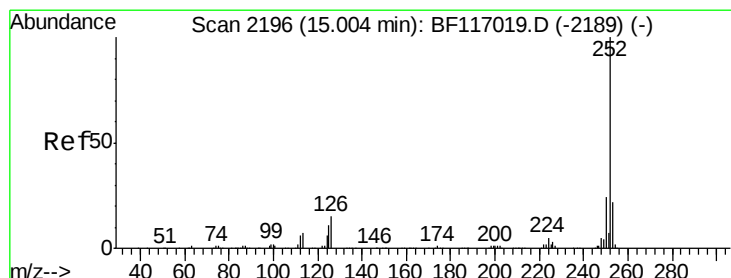
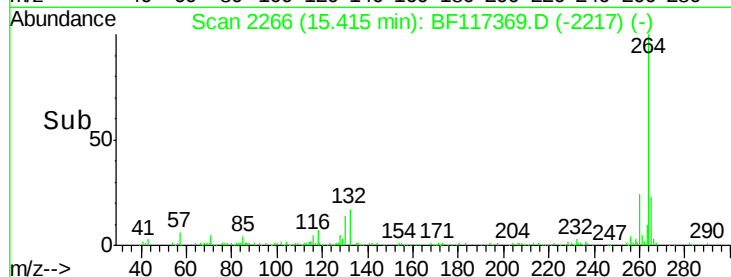
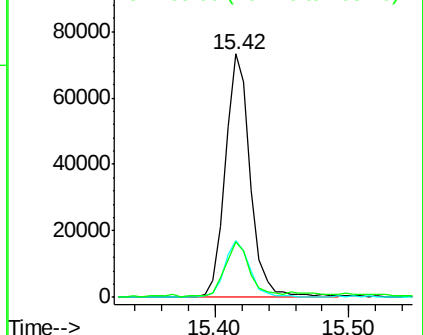
265 22.9 16.6 24.8



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: 9.239 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

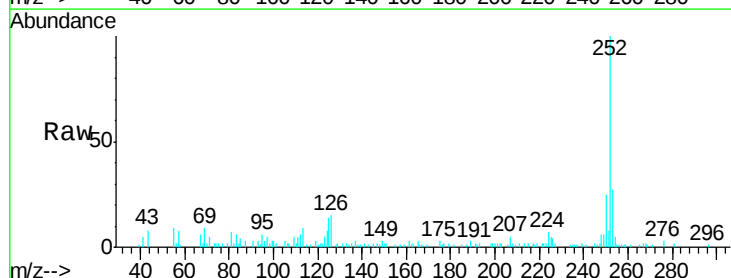
Tgt Ion:252 Resp: 53850

Ion Ratio Lower Upper

252 100

253 27.1 17.6 26.4#

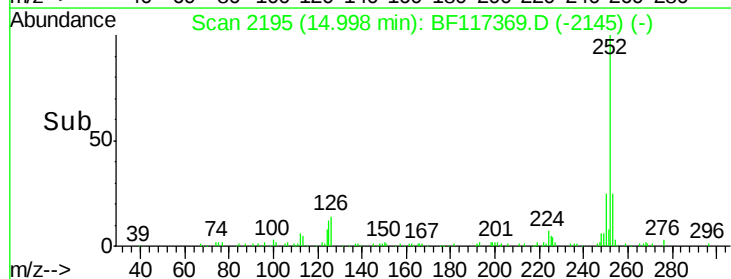
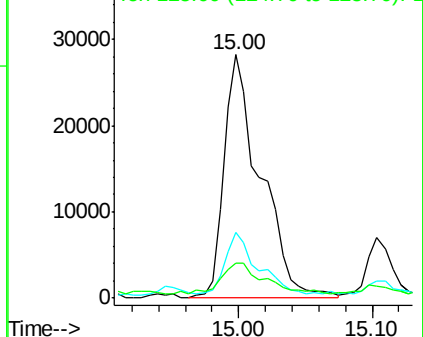
125 14.5 8.6 12.8#

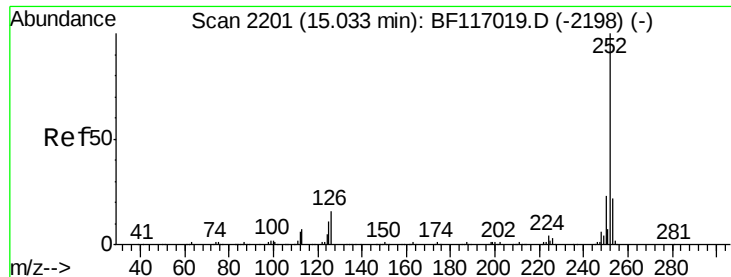


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.753 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.04 min

Lab File: BF117369.D

Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919

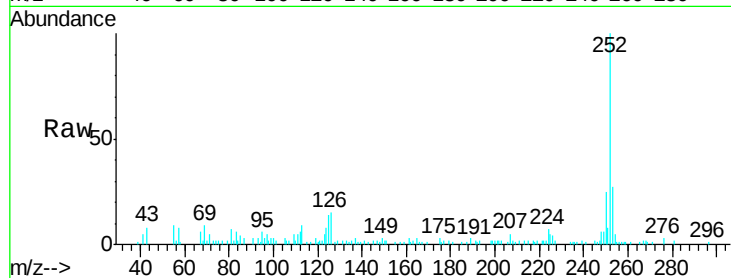
Tgt Ion:252 Resp: 53850

Ion Ratio Lower Upper

252 100

253 27.1 17.4 26.2#

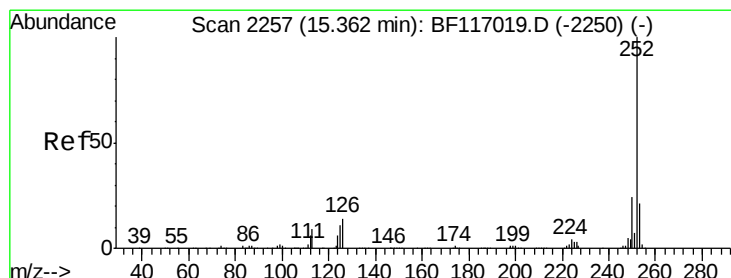
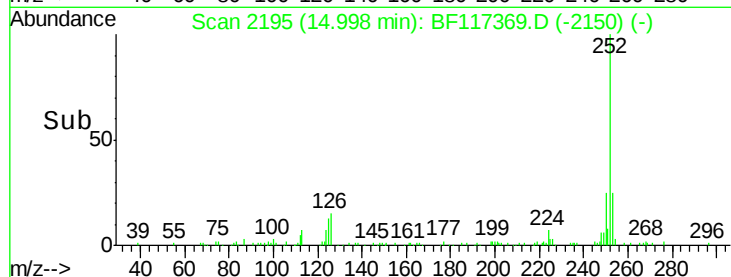
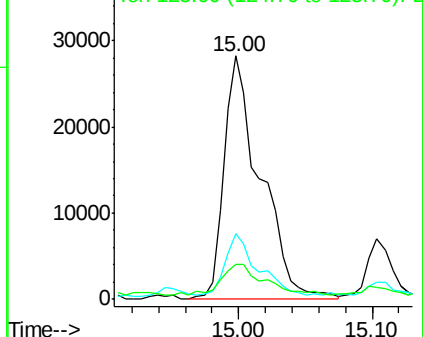
125 14.5 8.8 13.2#



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: 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

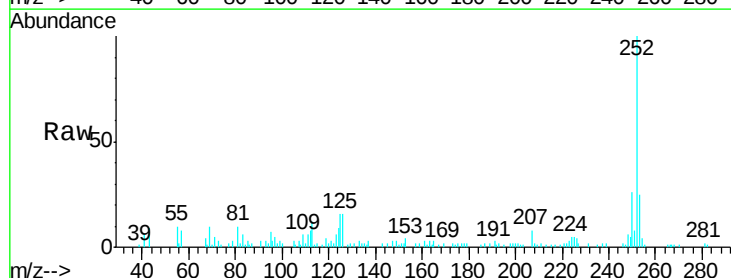
Tgt Ion:252 Resp: 33670

Ion Ratio Lower Upper

252 100

253 24.7 16.6 25.0

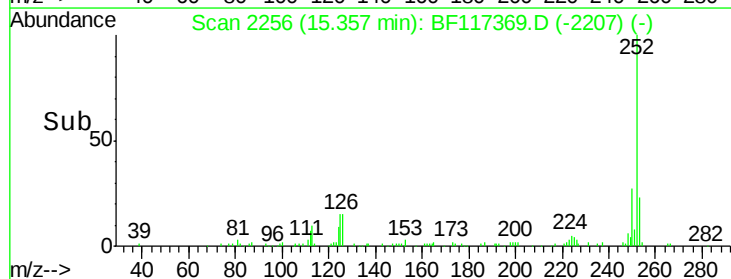
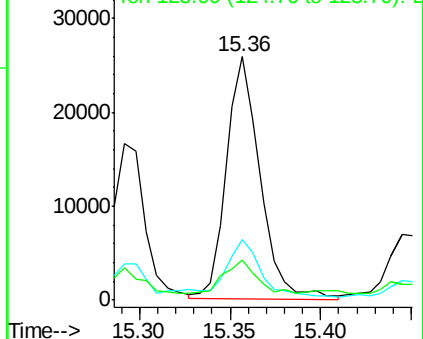
125 16.4 8.9 13.3#

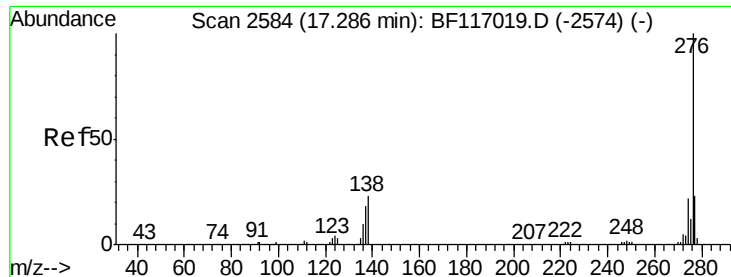


Abundance Ion 252.00 (251.70 to 252.70): E

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

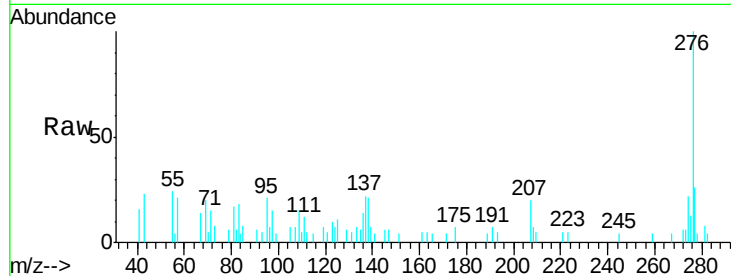
Acq: 10 Oct 2019 19:22

Instrument :

BNA_F

ClientSampleId :

HD-01-100919



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

