

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
 Data File : BF117288.D
 Acq On : 1 Oct 2019 20:29
 Operator : JU
 Sample : K4659-04 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 05:59:16 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

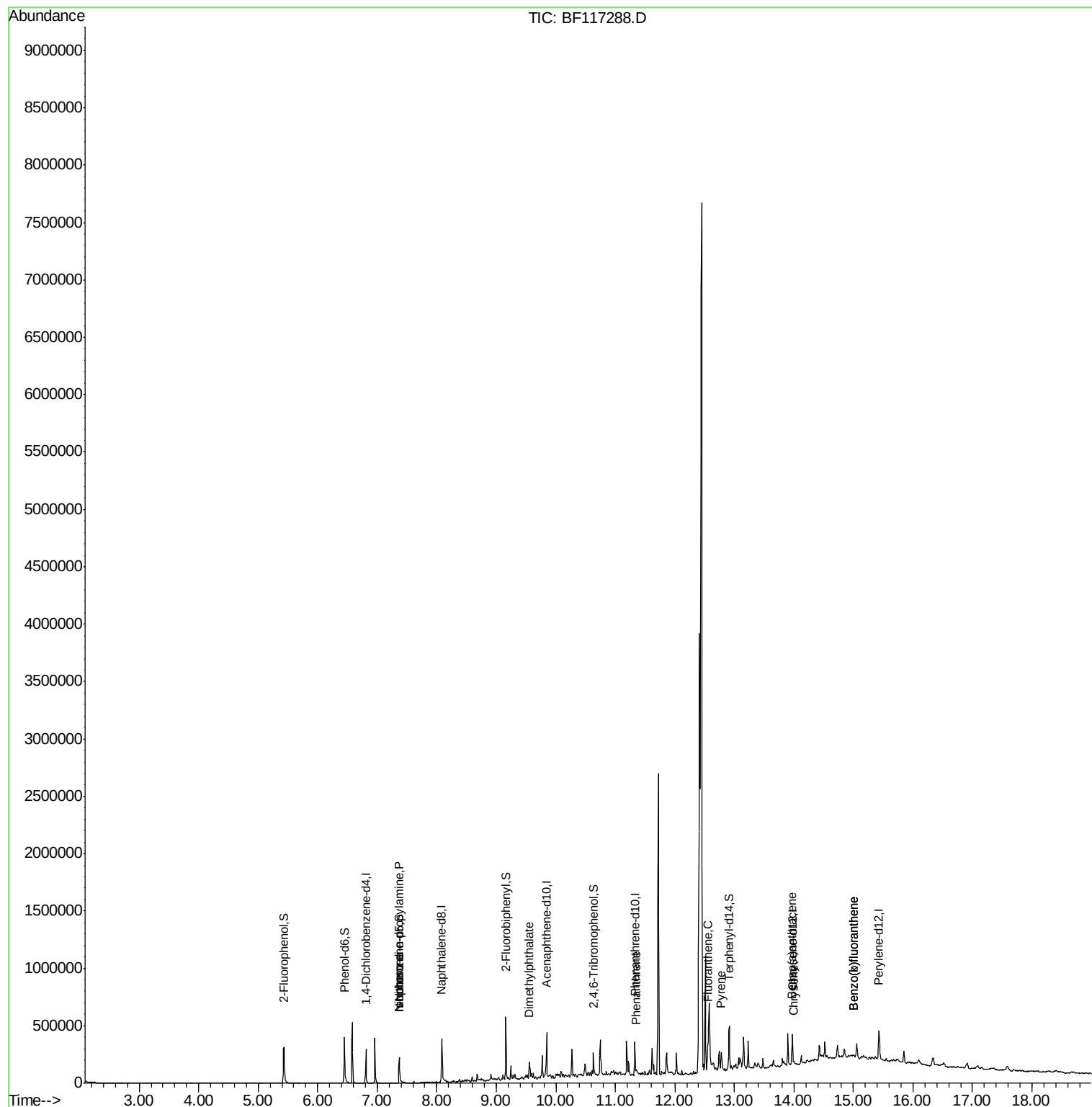
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	50084	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	191258	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	82791	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	107722	20.00	ng	0.00
76) Chrysene-d12	13.97	240	79729	20.00	ng	0.00
87) Perylene-d12	15.43	264	66180	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	119579	37.28	ng	0.00
7) Phenol-d6	6.45	99	163580	39.46	ng	-0.01
23) Nitrobenzene-d5	7.37	82	96697	26.56	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	22320	32.26	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	169270	31.97	ng	-0.01
79) Terphenyl-d14	12.92	244	119786	28.08	ng	0.00
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	3205	Below Cal	#	76
19) n-Nitroso-di-n-propylamine	7.37	70	12766	5.057 ng	#	83
25) Isophorone	7.37	82	96697	15.003 ng	#	66
50) Dimethylphthalate	9.56	163	36573	6.239 ng	#	97
69) Atrazine	11.02	200	288	Below Cal	#	38
71) Phenanthrene	11.35	178	14613	2.388 ng	#	96
75) Fluoranthene	12.54	202	22331	3.552 ng		96
78) Pyrene	12.78	202	23069	3.448 ng		97
81) Benzo(a)anthracene	13.96	228	11117	2.087 ng	#	86
83) Chrysene	14.00	228	11146	2.145 ng	#	93
88) Benzo(b)fluoranthene	15.02	252	14224	3.548 ng	#	51
89) Benzo(k)fluoranthene	15.02	252	14224	3.746 ng	#	51

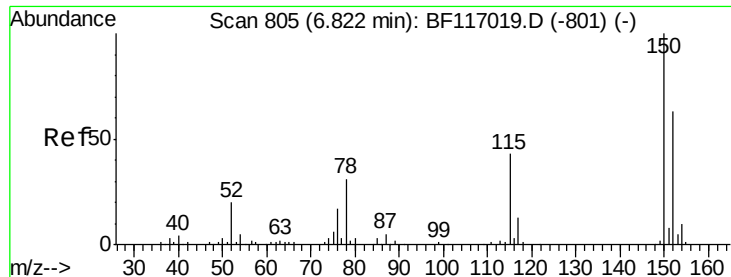
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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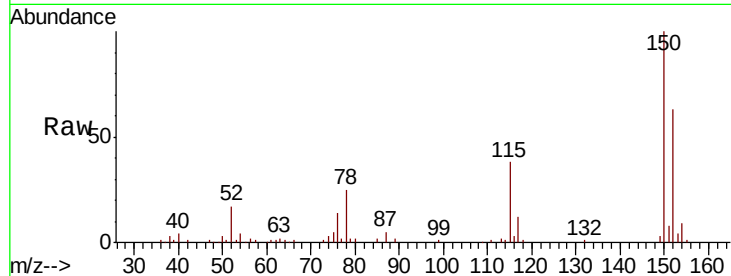




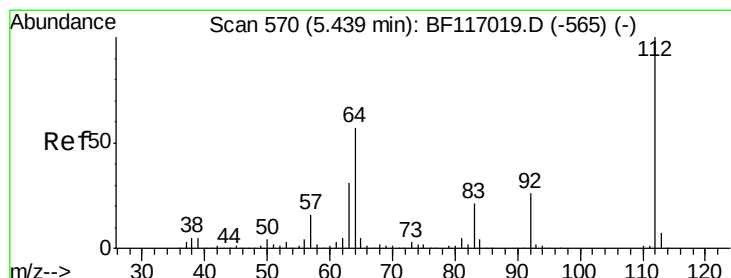
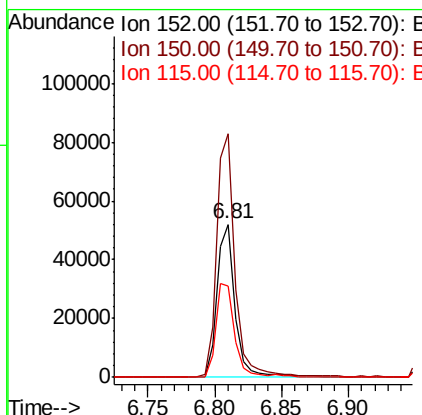
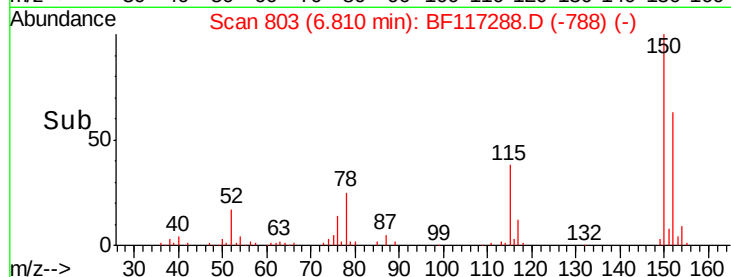
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 50084
 Ion Ratio Lower Upper
 152 100
 150 159.2 127.5 191.3
 115 59.9 55.0 82.4

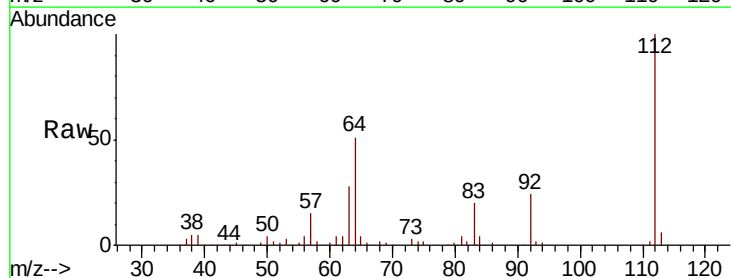


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

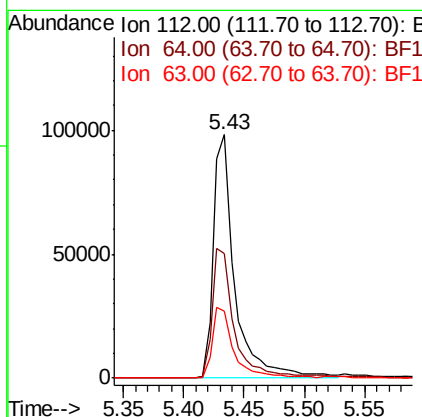
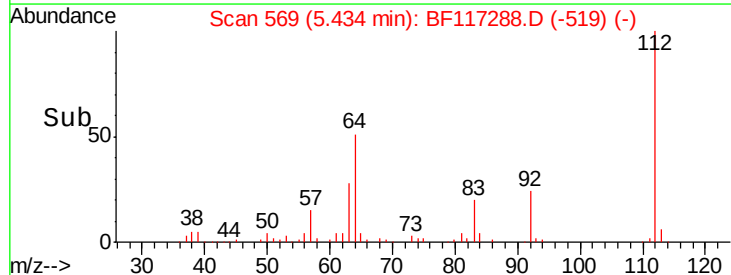


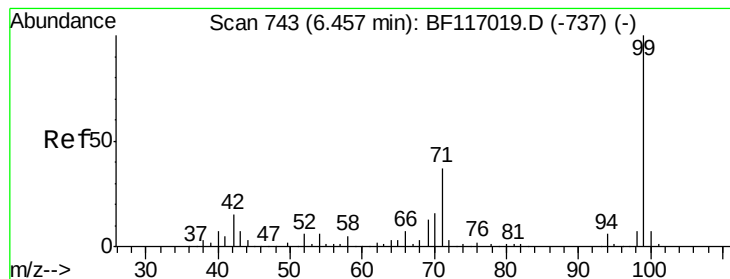
#5
 2-Fluorophenol
 Concen: 37.276 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

Tgt Ion:112 Resp: 119579
 Ion Ratio Lower Upper
 112 100
 64 51.1 45.7 68.5
 63 27.7 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: 39.457 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117288.D

Acq: 1 Oct 2019 20:29

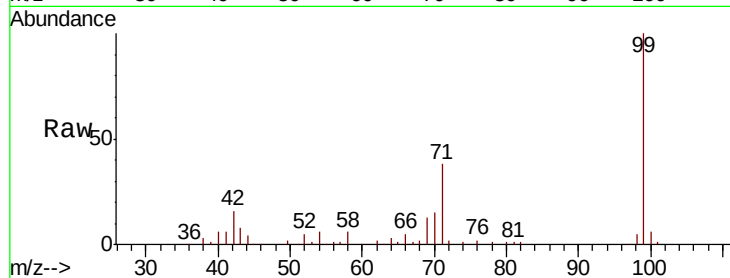
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 163580

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.2	18.2
71	38.2	29.8	44.8

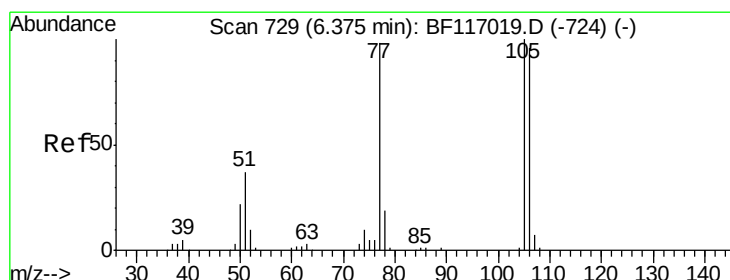
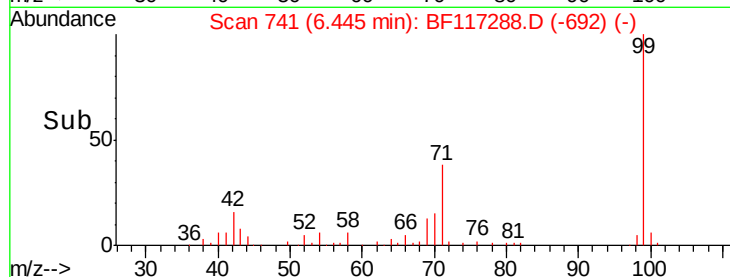
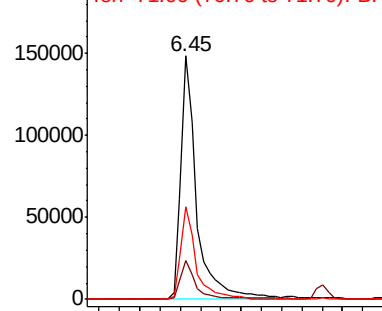


Abundance

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: 6.58 min Scan# 764

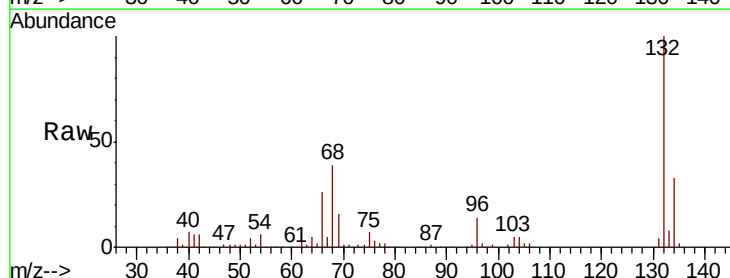
Delta R.T. 0.21 min

Lab File: BF117288.D

Acq: 1 Oct 2019 20:29

Tgt Ion: 77 Resp: 3205

Ion	Ratio	Lower	Upper
77	100		
105	81.9	81.8	121.8
106	69.9	77.3	117.3

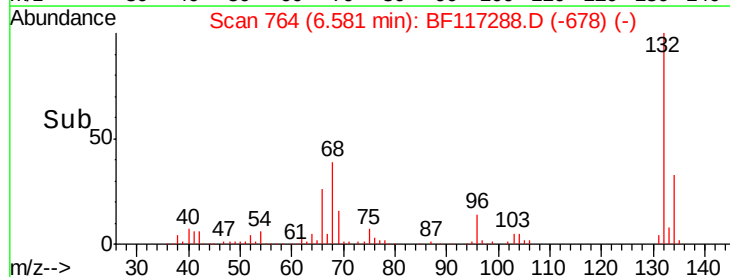
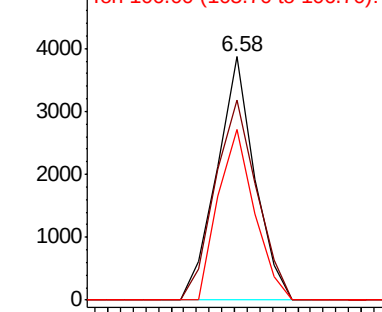


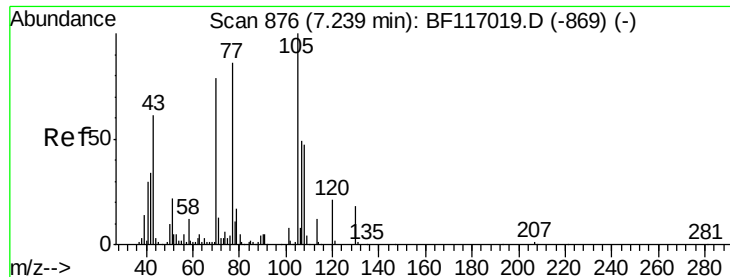
Abundance

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

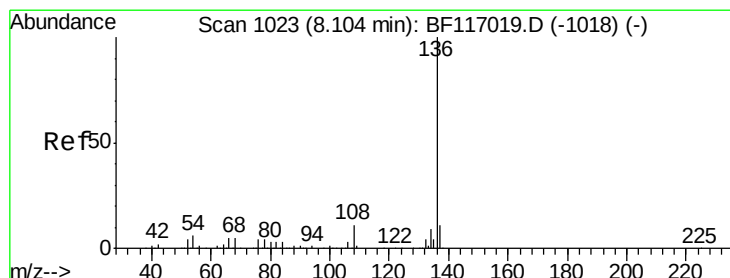
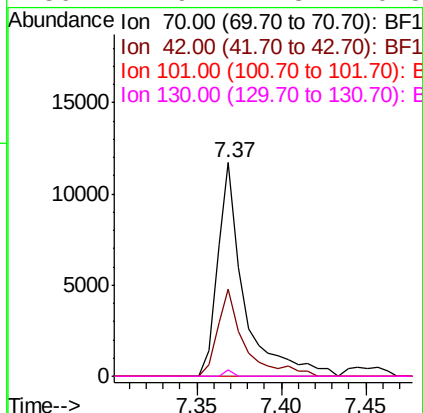
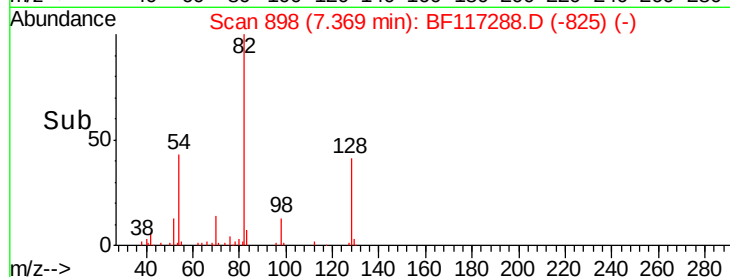
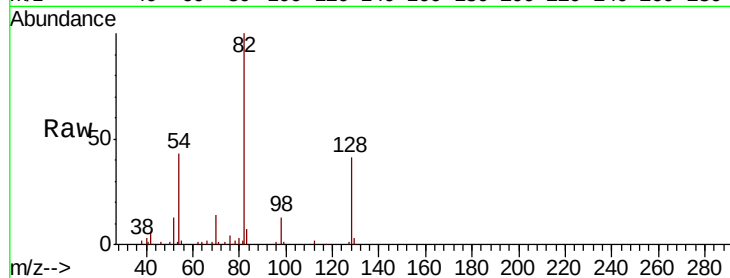




#19
n-Nitroso-di-n-propylamine
Concen: 5.057 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

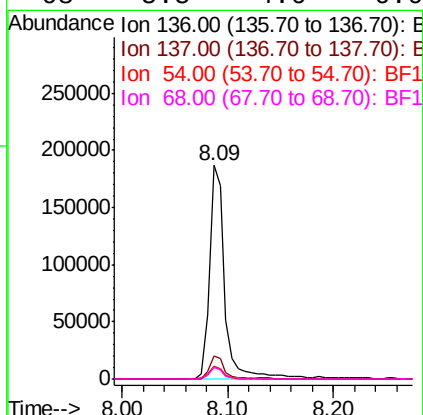
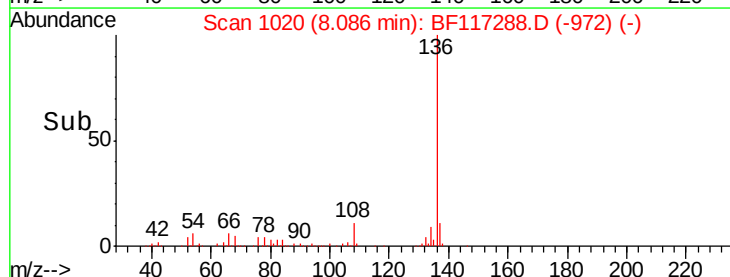
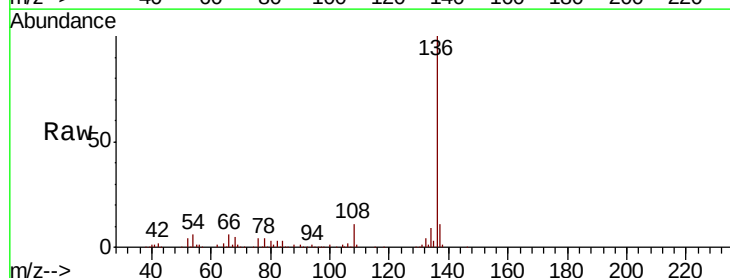
Instrument :
BNA_F
ClientSampleId :

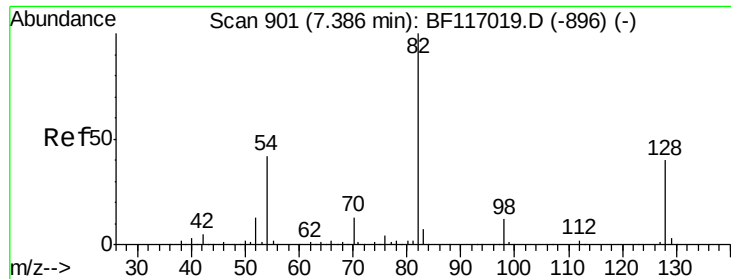
Tot Ion: 70 Resp: 12766
Ion Ratio Lower Upper
70 100
42 40.5 34.0 51.0
101 0.0 7.8 11.6#
130 2.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Tgt Ion: 136 Resp: 191258
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 6.0 4.5 6.7
68 5.5 4.0 6.0

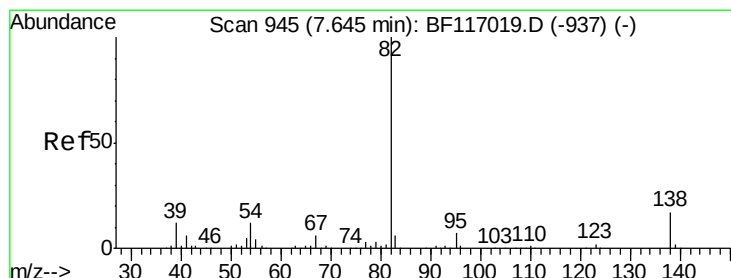
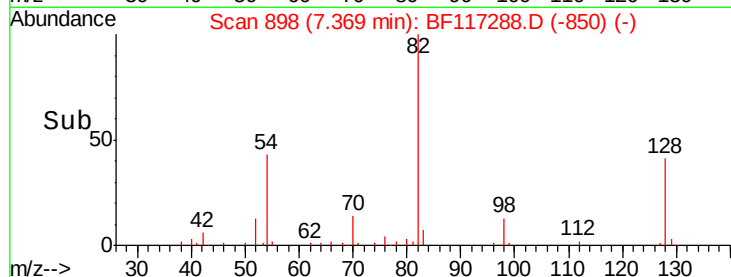
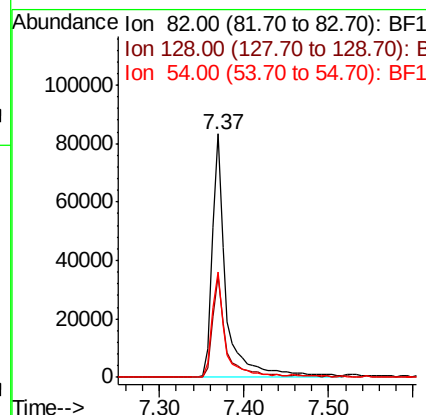
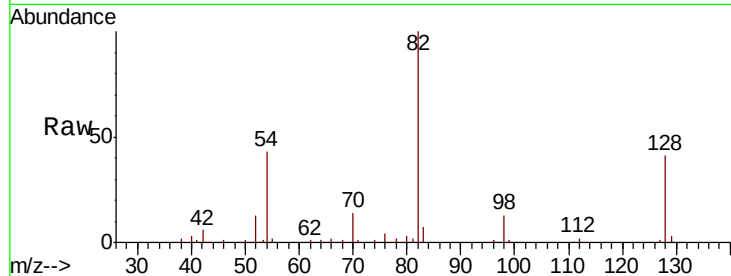




#23
 Nitrobenzene-d5
 Concen: 26.565 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

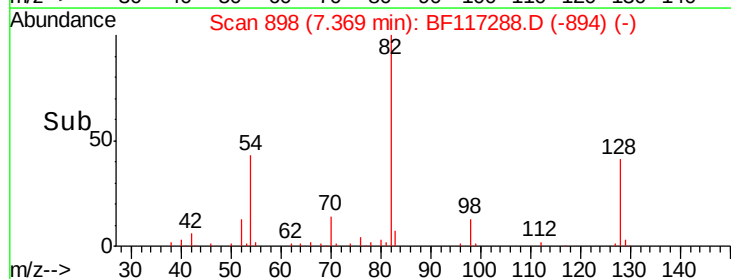
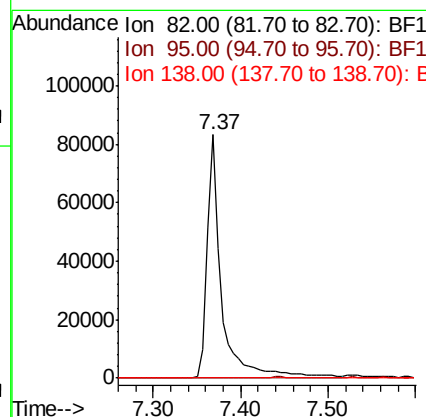
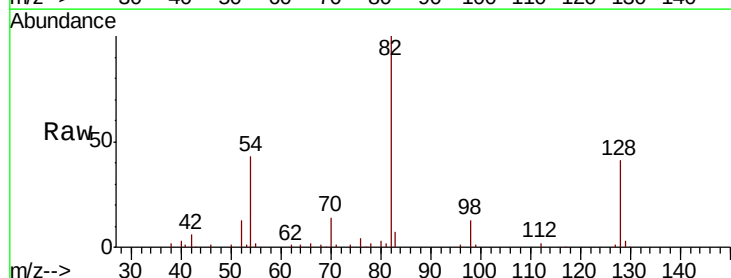
Instrument :
 BNA_F
 ClientSampleId :

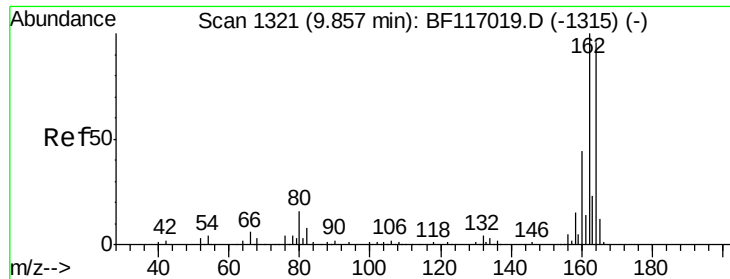
Tot Ion	82	Resp	96697
Ion Ratio	Lower	Upper	
82	100		
128	41.5	32.3	48.5
54	43.2	33.3	49.9



#25
 Isophorone
 Concen: 15.003 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.28 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

Tgt Ion	82	Resp	96697
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

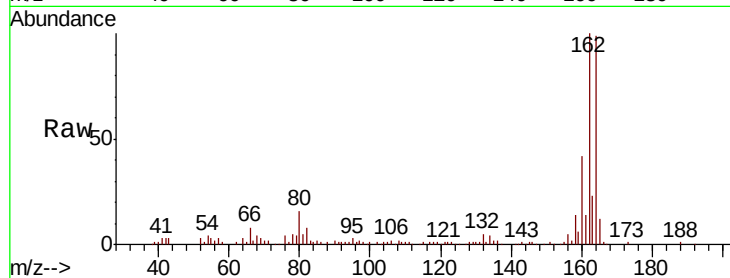




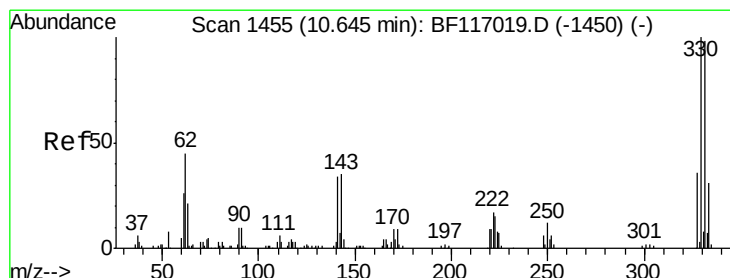
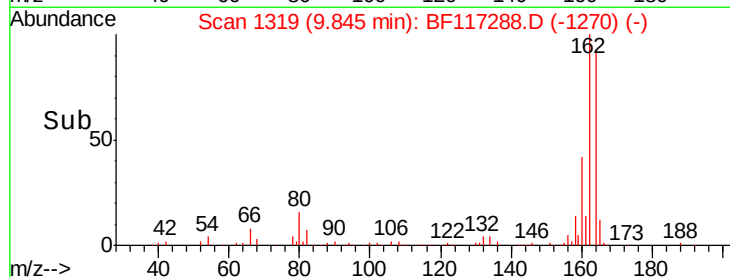
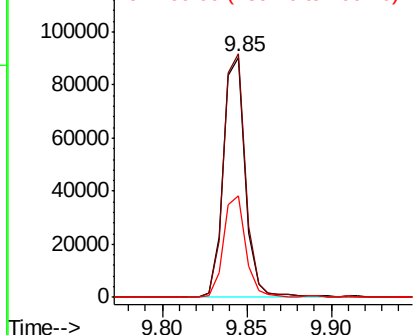
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 82791
Ion Ratio Lower Upper
164 100
162 101.4 83.4 125.2
160 42.3 36.4 54.6

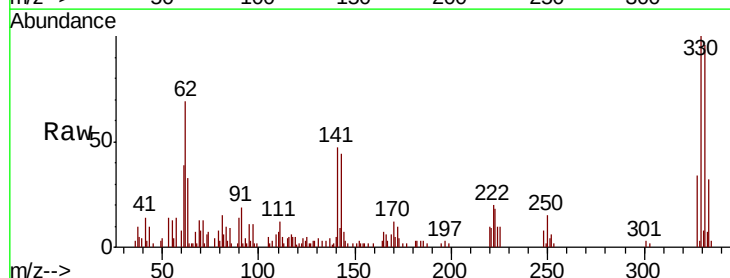


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

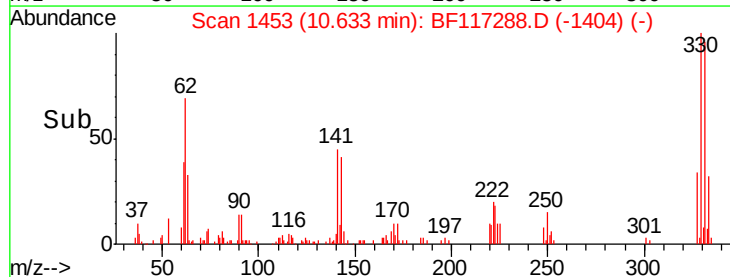
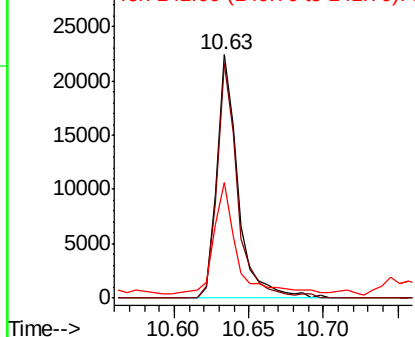


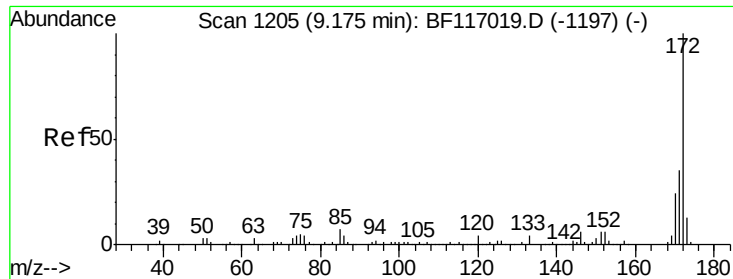
#42
2,4,6-Tribromophenol
Concen: 32.257 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Tgt Ion:330 Resp: 22320
Ion Ratio Lower Upper
330 100
332 93.8 78.0 117.0
141 47.8 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

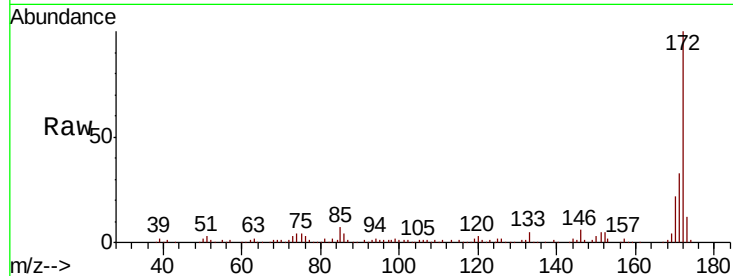




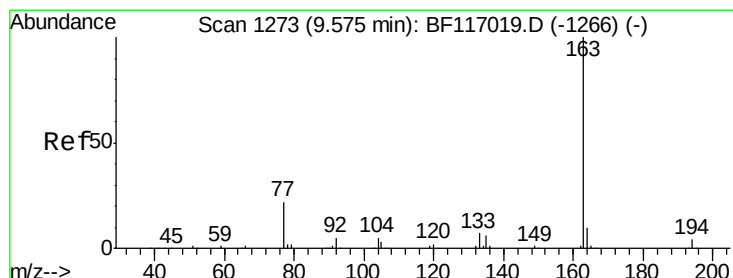
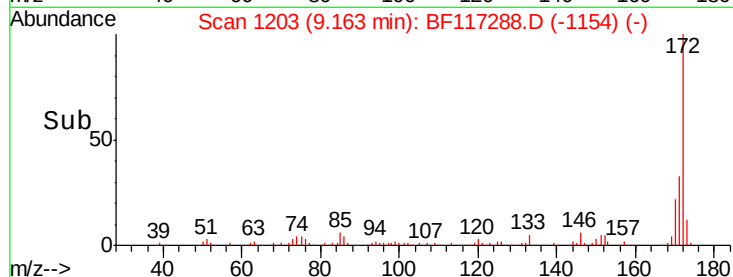
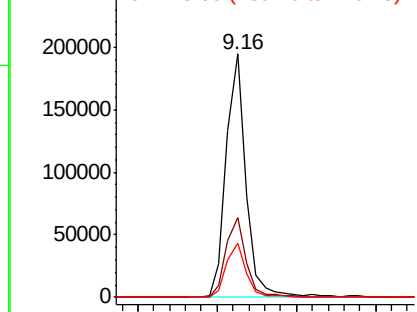
#45
2-Fluorobiphenyl
Concen: 31.968 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 169270
Ion Ratio Lower Upper
172 100
171 33.0 28.2 42.2
170 22.3 18.9 28.3

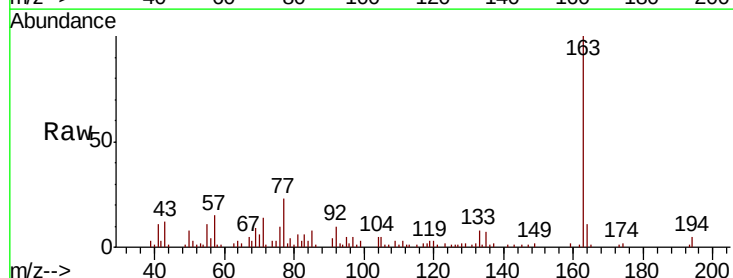


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

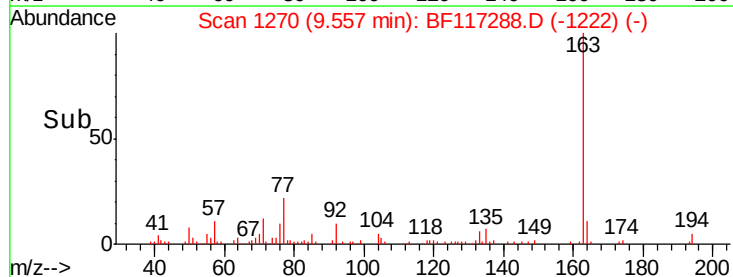
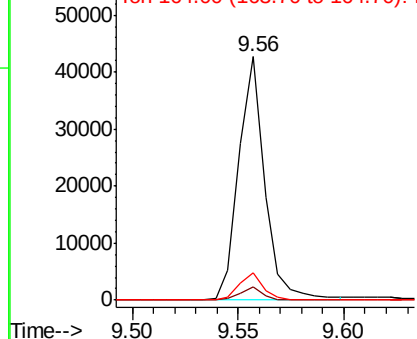


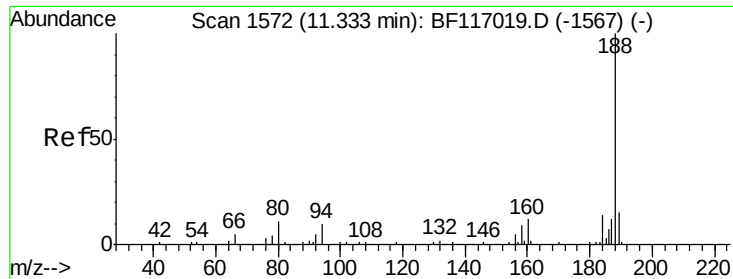
#50
Dimethylphthalate
Concen: 6.239 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Tgt Ion:163 Resp: 36573
Ion Ratio Lower Upper
163 100
194 5.3 2.9 4.3#
164 11.4 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

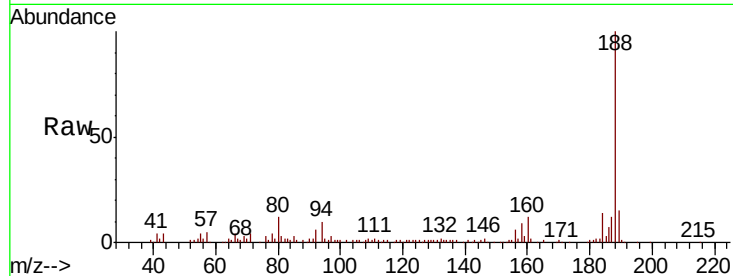




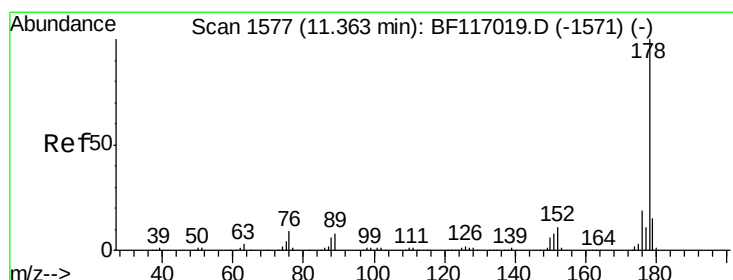
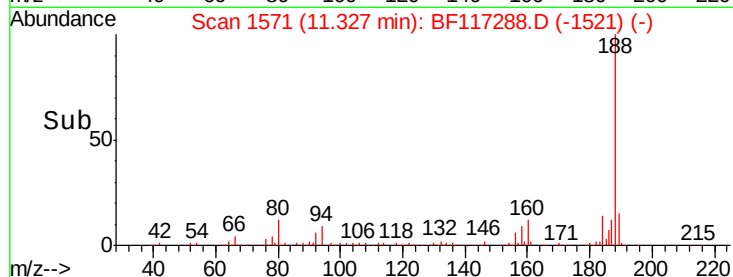
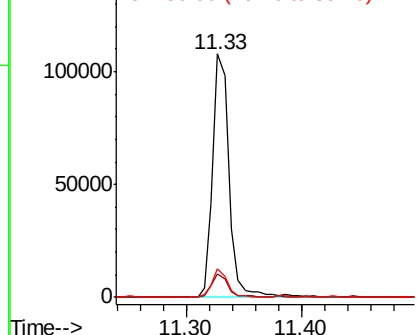
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 107722
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.2
 80 11.8 9.0 13.6

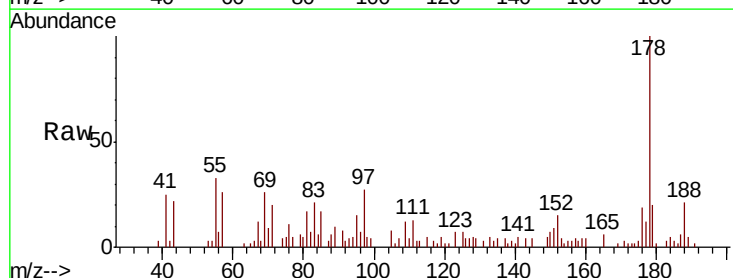


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

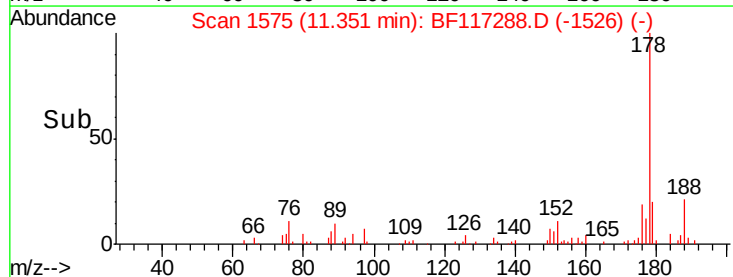
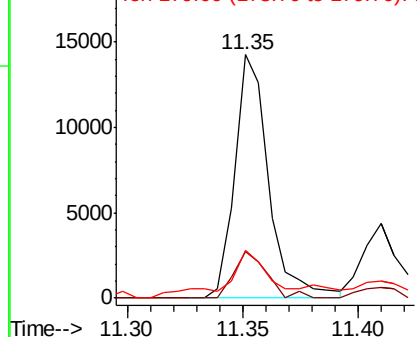


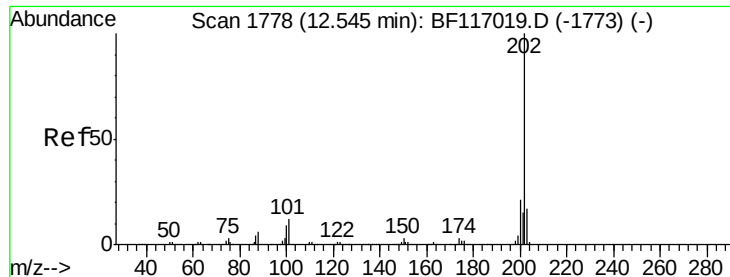
#71
 Phenanthrene
 Concen: 2.388 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

Tgt Ion:178 Resp: 14613
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 19.5 12.4 18.6#



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

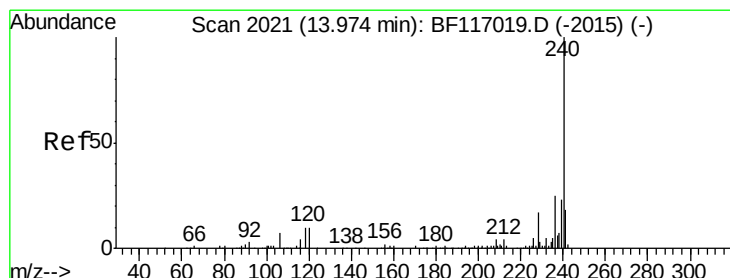
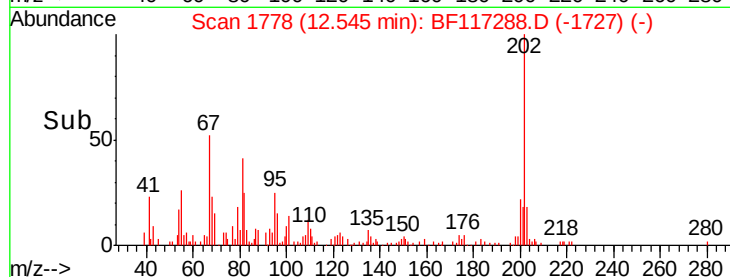
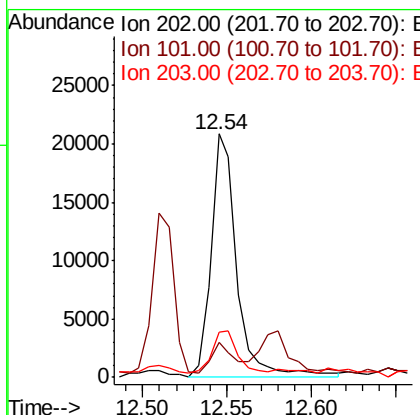
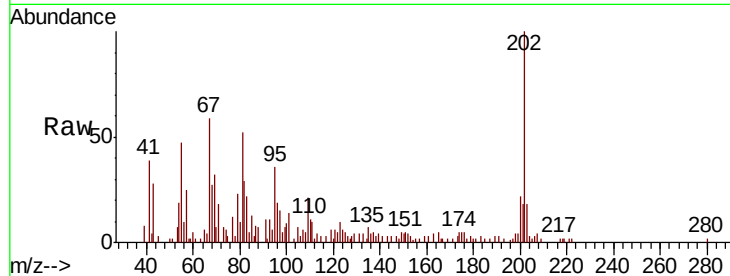




#75
 Fluoranthene
 Concen: 3.552 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

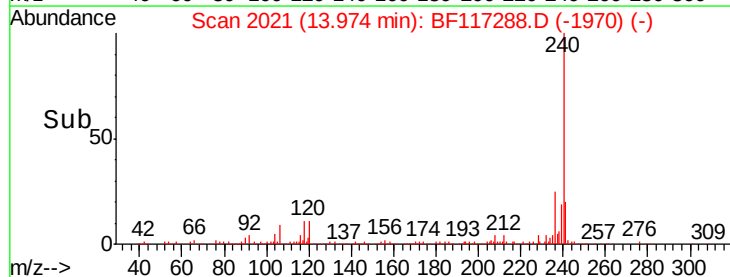
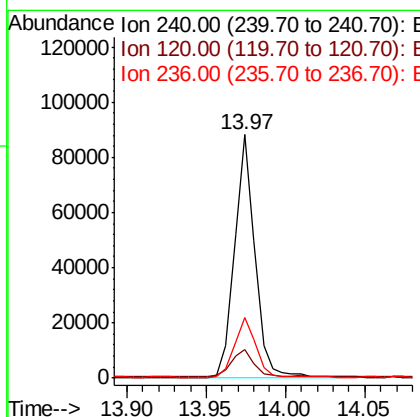
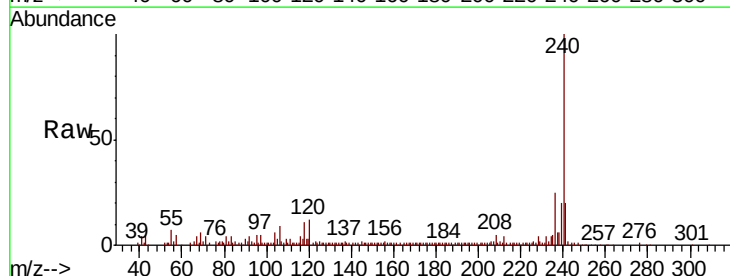
Instrument :
 BNA_F
 ClientSampleId :

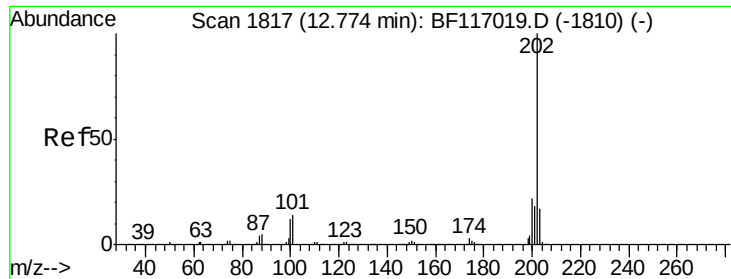
Tot Ion:202 Resp: 22331
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 32.3
 203 18.4 0.0 37.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF117288.D
 Acq: 1 Oct 2019 20:29

Tgt Ion:240 Resp: 79729
 Ion Ratio Lower Upper
 240 100
 120 11.8 8.3 12.5
 236 25.1 20.3 30.5





#78

Pvrene

Concen: 3.448 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.01 min

Lab File: BF117288.D

Acq: 1 Oct 2019 20:29

Instrument :

BNA_F

ClientSampleId :

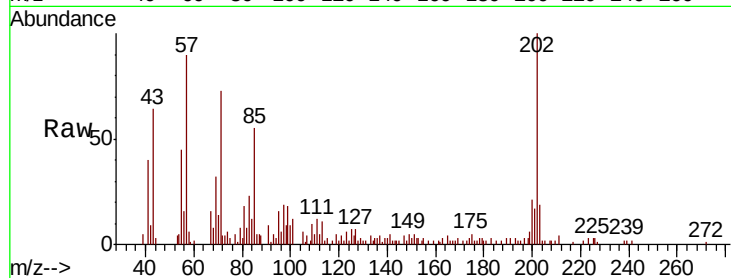
Tot Ion:202 Resp: 23069

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 19.4 14.0 21.0

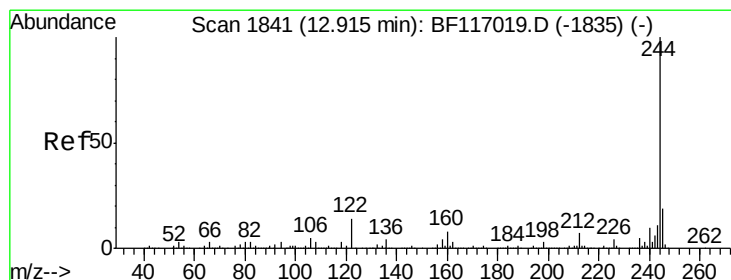
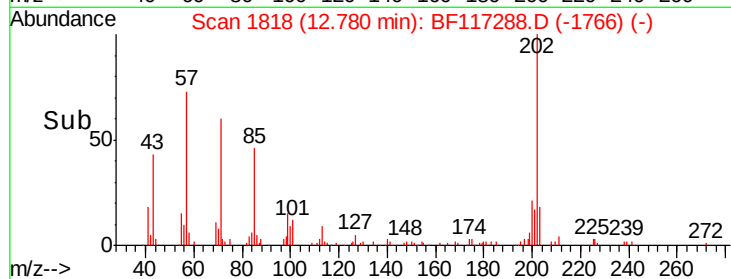
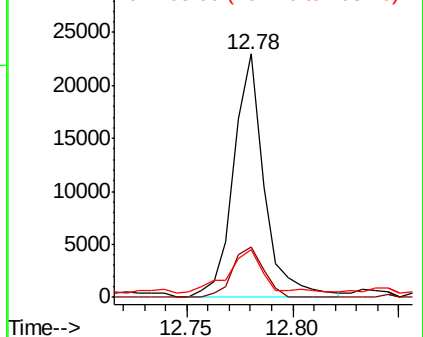


Abundance

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: 28.083 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117288.D

Acq: 1 Oct 2019 20:29

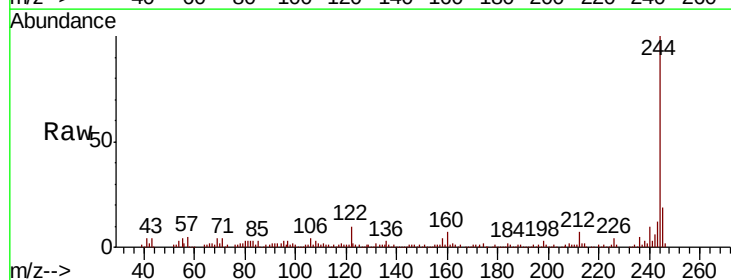
Tgt Ion:244 Resp: 119786

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

122 10.3 11.3 16.9#

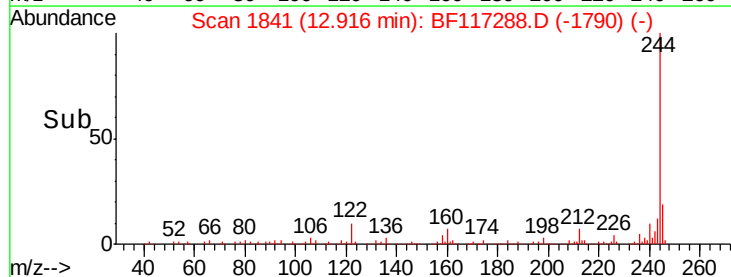
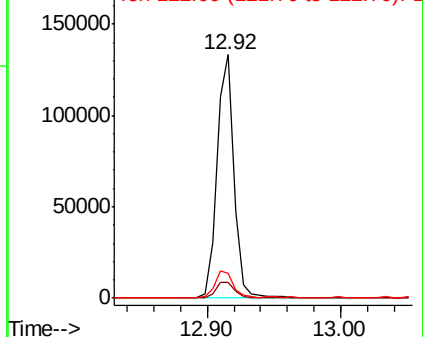


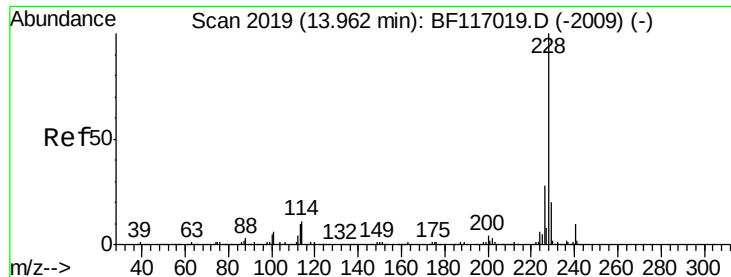
Abundance

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

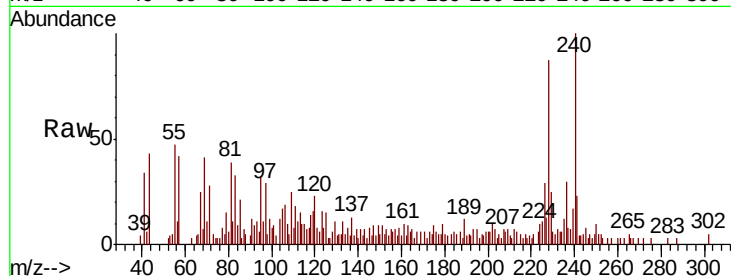




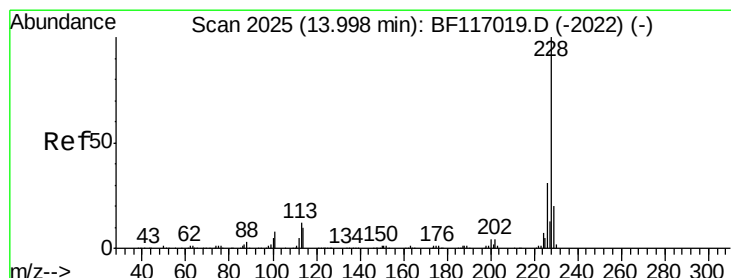
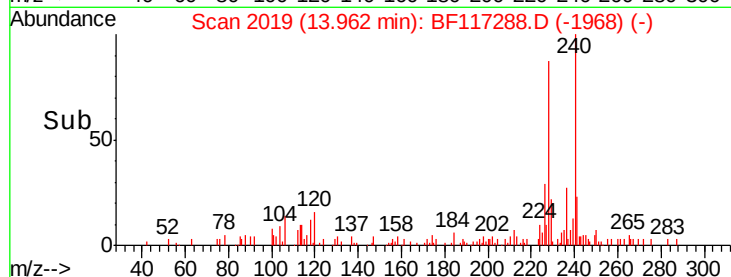
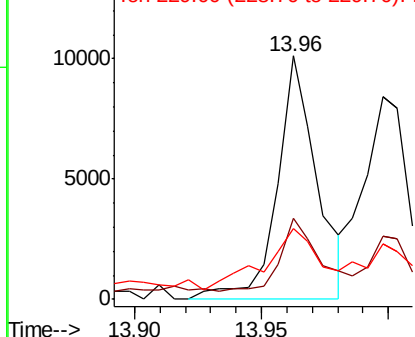
#81
Benzo(a)anthracene
Concen: 2.087 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 11117
Ion Ratio Lower Upper
228 100
226 33.5 22.3 33.5
229 28.9 15.9 23.9#

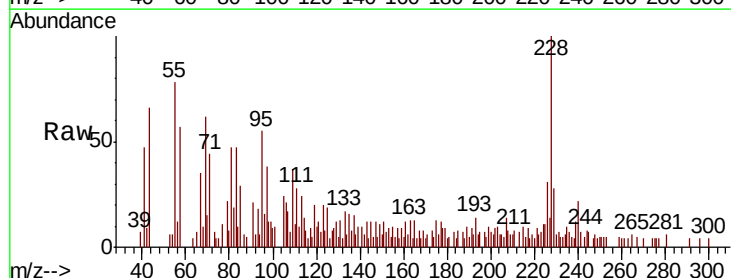


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

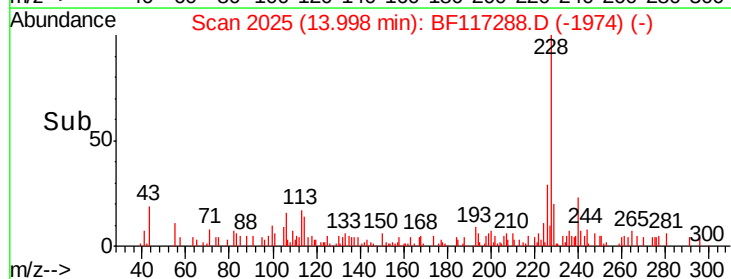
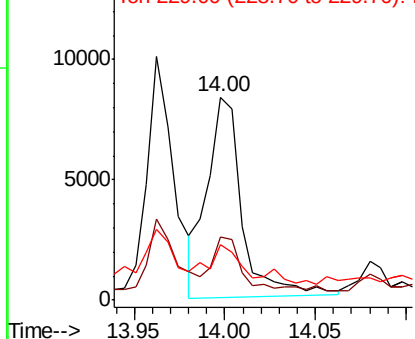


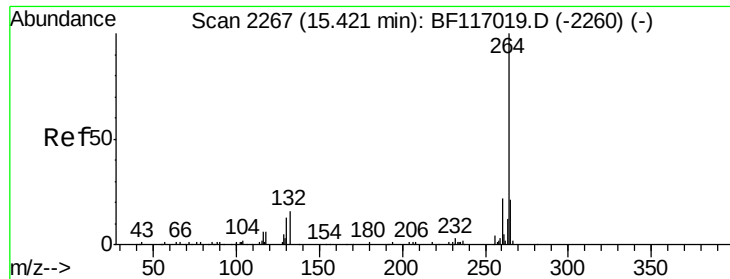
#83
Chrysene
Concen: 2.145 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Tgt Ion:228 Resp: 11146
Ion Ratio Lower Upper
228 100
226 31.4 24.8 37.2
229 27.6 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

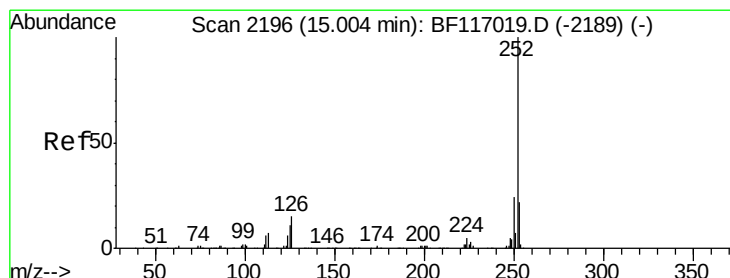
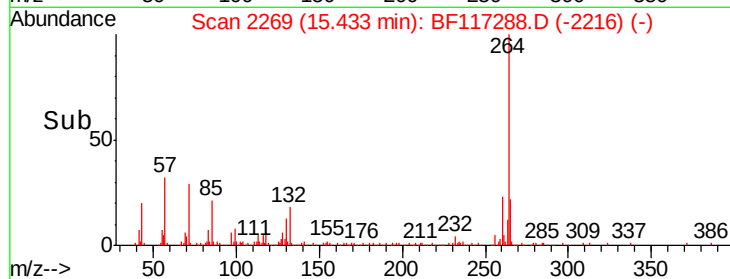
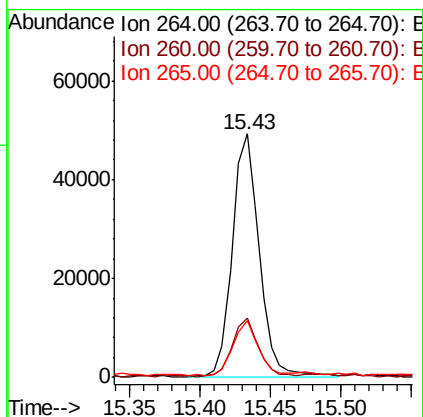
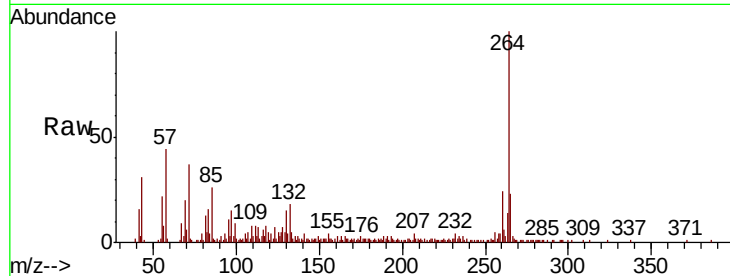




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

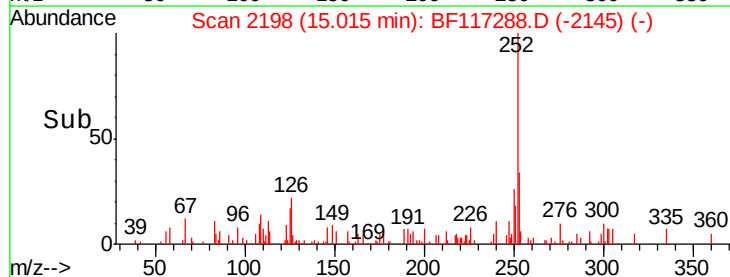
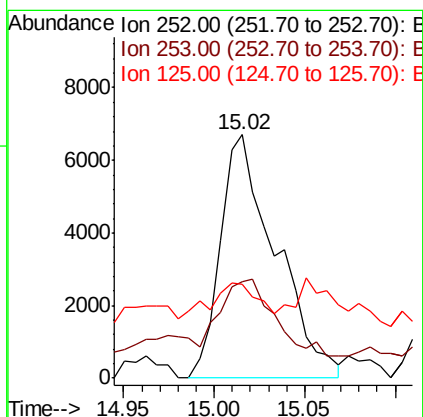
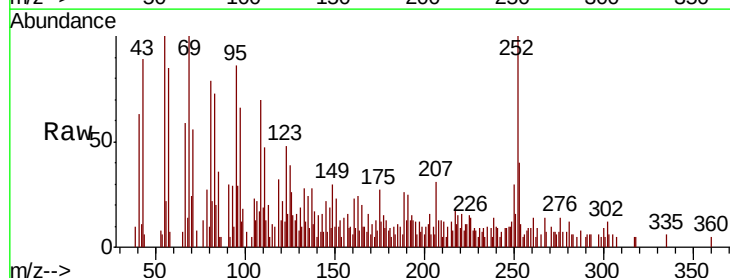
Instrument :
BNA_F
ClientSampleId :

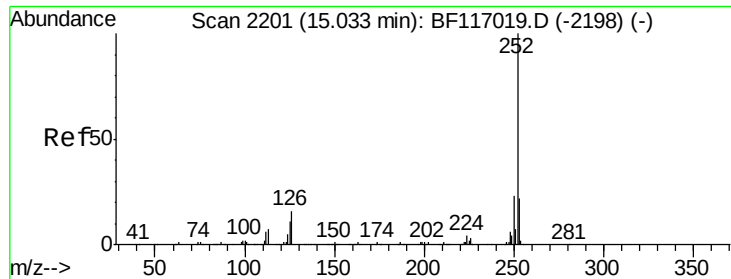
Tot Ion:264 Resp: 66180
Ion Ratio Lower Upper
264 100
260 24.4 17.6 26.4
265 23.2 16.6 24.8



#88
Benzo(b)fluoranthene
Concen: 3.548 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117288.D
Acq: 1 Oct 2019 20:29

Tgt Ion:252 Resp: 14224
Ion Ratio Lower Upper
252 100
253 39.7 17.6 26.4#
125 38.6 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 3.746 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF117288.D

Acq: 1 Oct 2019 20:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 14224

Ion Ratio Lower Upper

252 100

253 39.7 17.4 26.2#

125 38.6 8.8 13.2#

