

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
 Data File : BF117287.D
 Acq On : 1 Oct 2019 20:02
 Operator : JU
 Sample : K4659-01 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 05:58:58 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	6.80	152	53594	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	204382	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	86694	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	110596	20.00	ng	0.00
76) Chrysene-d12	13.97	240	86539	20.00	ng	0.00
87) Perylene-d12	15.43	264	71100	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	143086	41.68	ng	-0.01
7) Phenol-d6	6.45	99	188593	42.51	ng	-0.01
23) Nitrobenzene-d5	7.37	82	110074	28.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	24755	34.17	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	195639	35.28	ng	-0.01
79) Terphenyl-d14	12.91	244	135388	29.24	ng	0.00

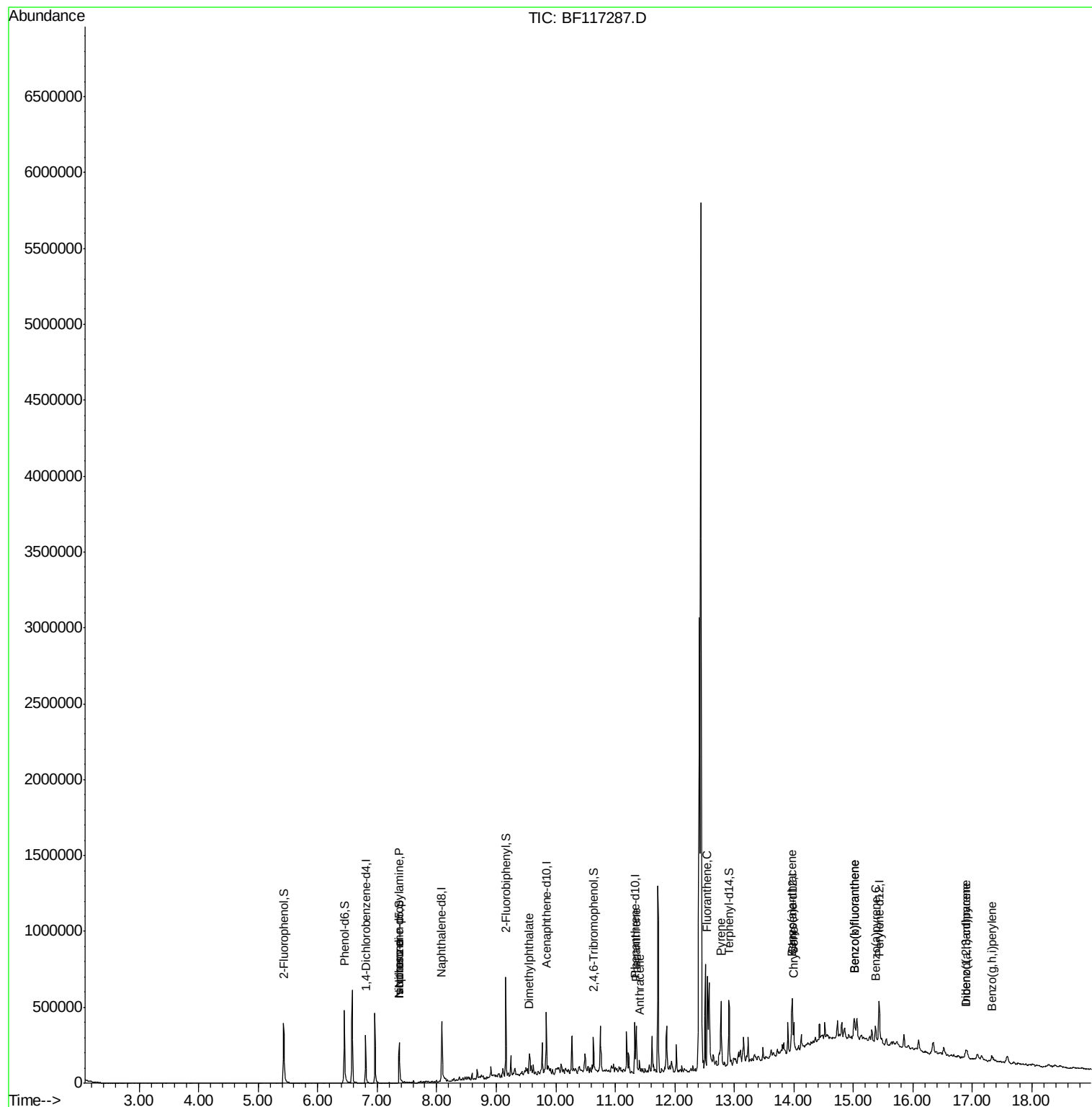
Target Compounds				Qvalue		
9) Benzaldehyde	6.58	77	3706	Below Cal	#	66
19) n-Nitroso-di-n-propylamine	7.37	70	15024	5.562 ng	#	77
25) Isophorone	7.37	82	110073	15.982 ng	#	66
50) Dimethylphthalate	9.56	163	33244	5.416 ng	#	97
69) Atrazine	11.02	200	339	Below Cal	#	1
71) Phenanthrene	11.35	178	107005	17.034 ng		99
72) Anthracene	11.40	178	30501	4.756 ng		96
75) Fluoranthene	12.54	202	203763	31.569 ng		99
78) Pyrene	12.77	202	172211	23.716 ng		98
81) Benzo(a)anthracene	13.96	228	82490	14.267 ng		98
83) Chrysene	14.00	228	70377	12.480 ng		97
86) Indeno(1,2,3-cd)pyrene	16.89	276	24768	6.020 ng	#	91
88) Benzo(b)fluoranthene	15.01	252	92796	21.546 ng	#	88
89) Benzo(k)fluoranthene	15.01	252	92789	22.744 ng	#	88
90) Benzo(a)pyrene	15.37	252	46178	12.219 ng	#	87
91) Dibenzo(a,h)anthracene	16.88	278	6692	2.223 ng	#	63
92) Benzo(g,h,i)perylene	17.33	276	26322	8.774 ng		94

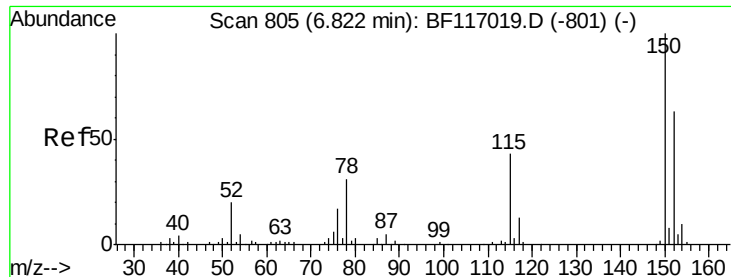
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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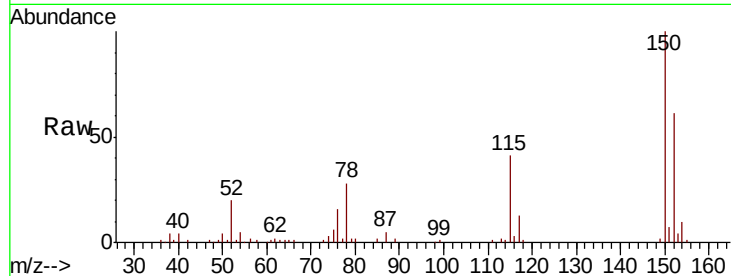


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.9	127.5	191.3
115	66.7	55.0	82.4

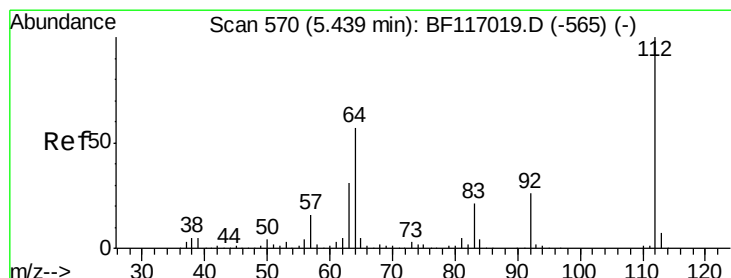
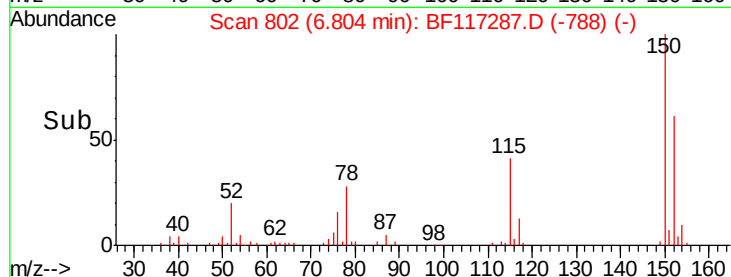
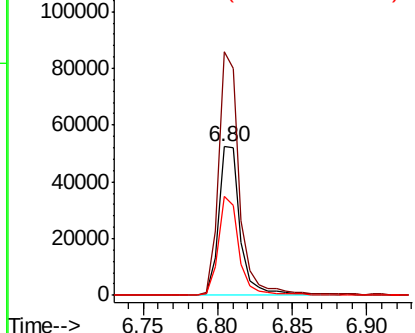


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

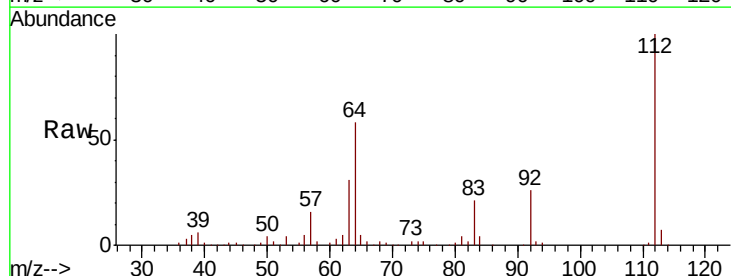
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 41.682 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.7	68.5
63	31.2	24.9	37.3

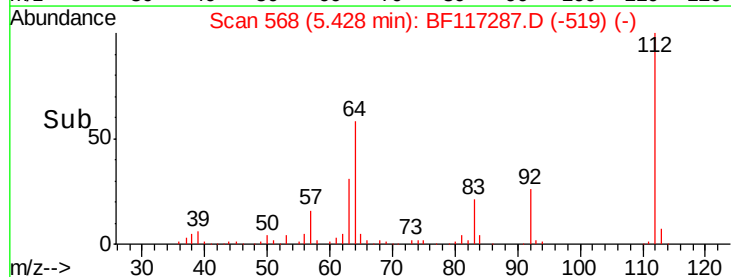
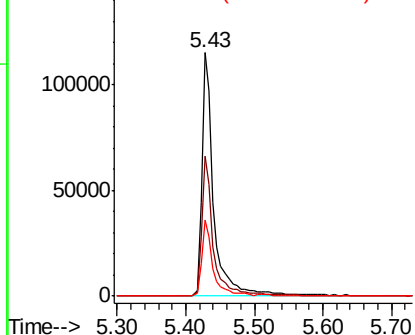


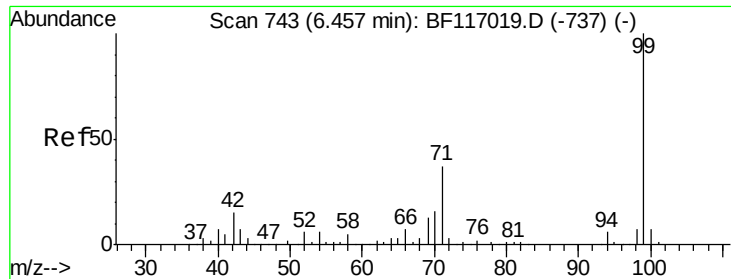
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 42.511 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

ClientSampleId :

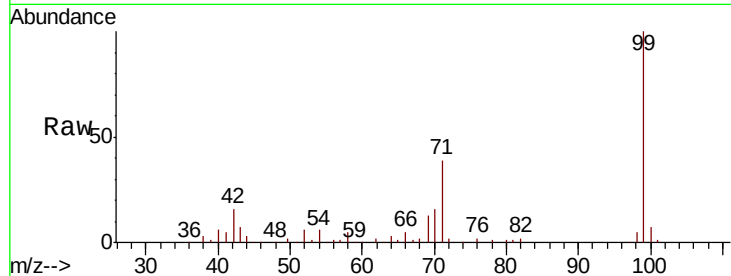
Tot Ion: 99 Resp: 188593

Ion Ratio Lower Upper

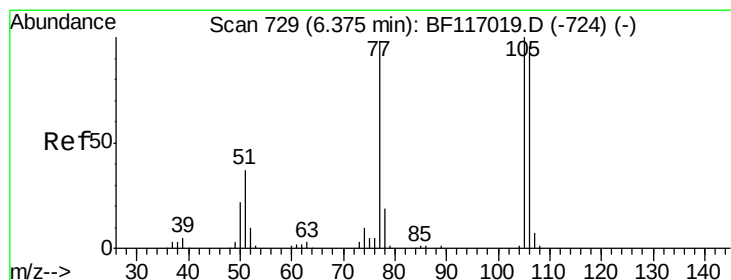
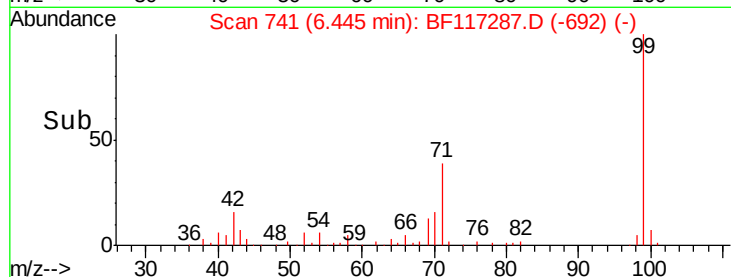
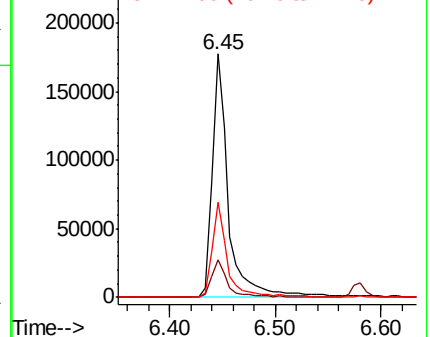
99 100

42 15.6 12.2 18.2

71 39.3 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: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

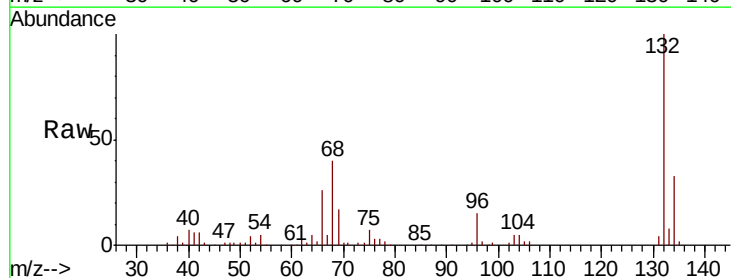
Tgt Ion: 77 Resp: 3706

Ion Ratio Lower Upper

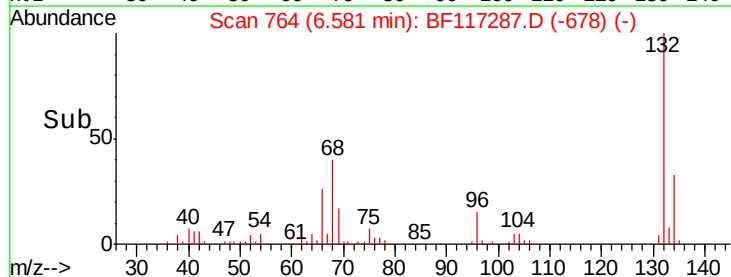
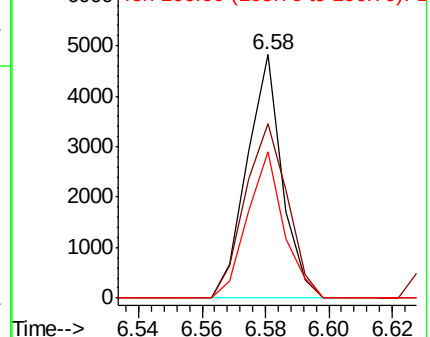
77 100

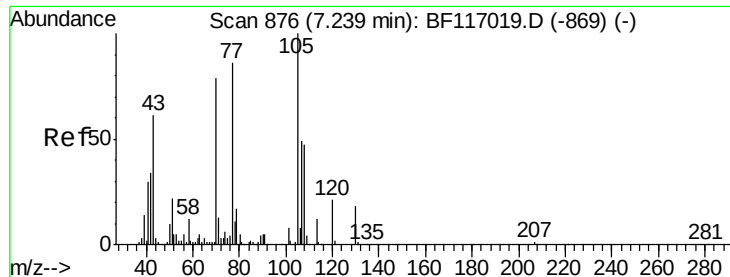
105 71.8 81.8 121.8#

106 60.2 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

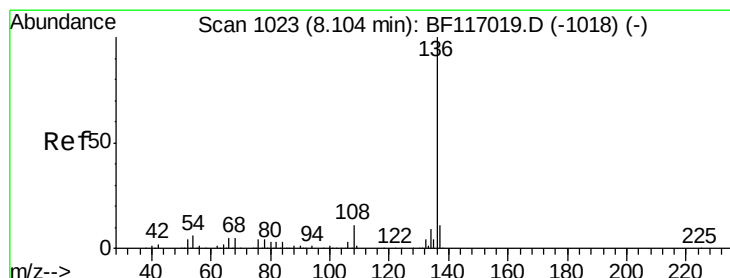
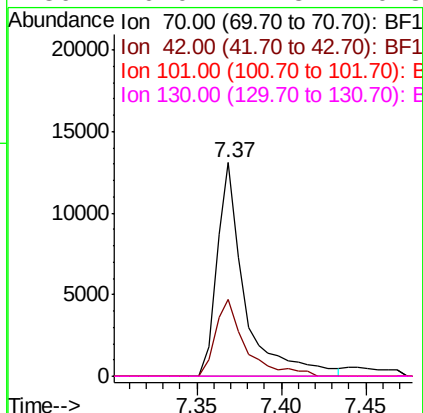
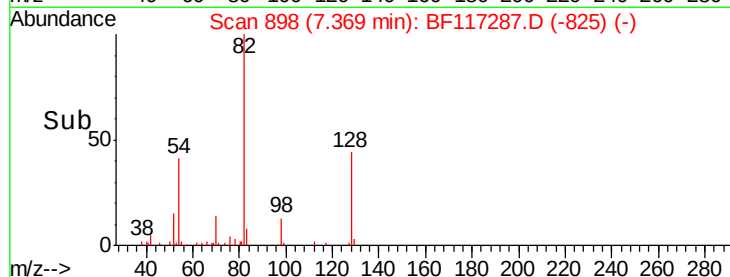
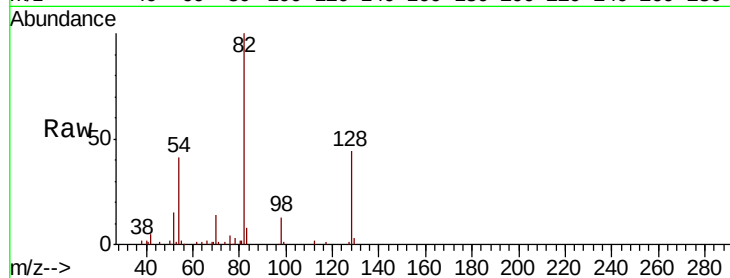




#19
n-Nitroso-di-n-propylamine
Concen: 5.562 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

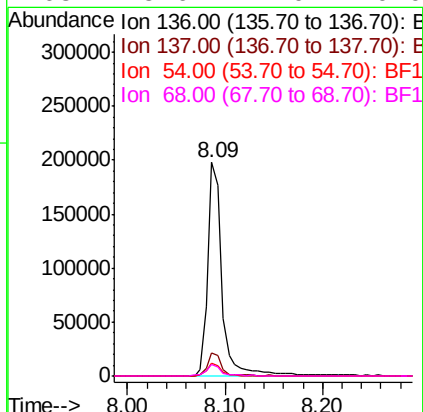
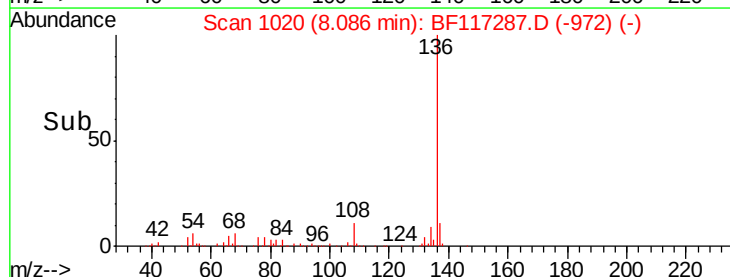
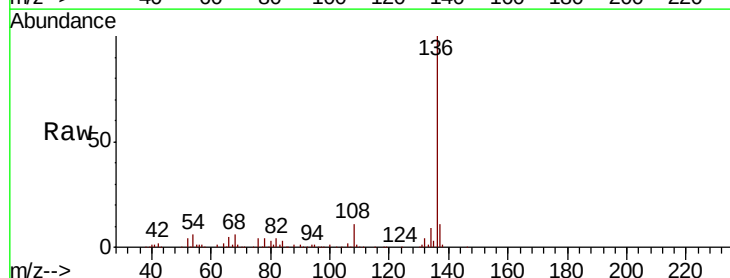
Instrument :
BNA_F
ClientSampleId :

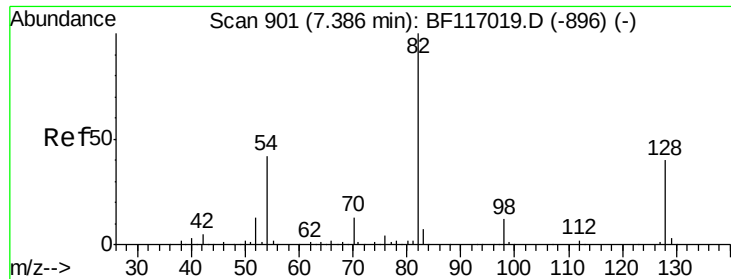
Tot Ion: 70 Resp: 15024
Ion Ratio Lower Upper
70 100
42 36.1 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion: 136 Resp: 204382
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 5.9 4.5 6.7
68 5.6 4.0 6.0

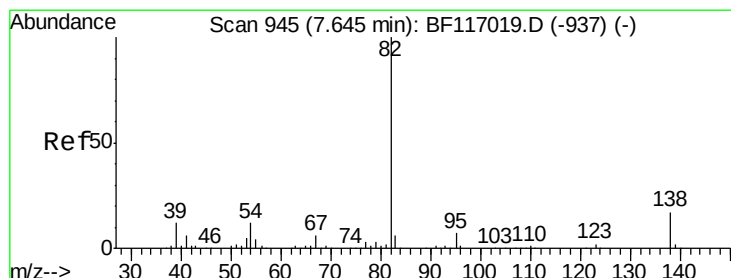
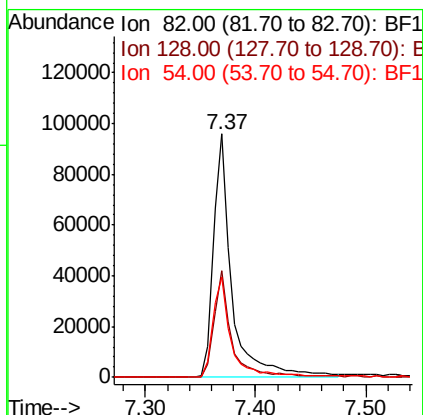
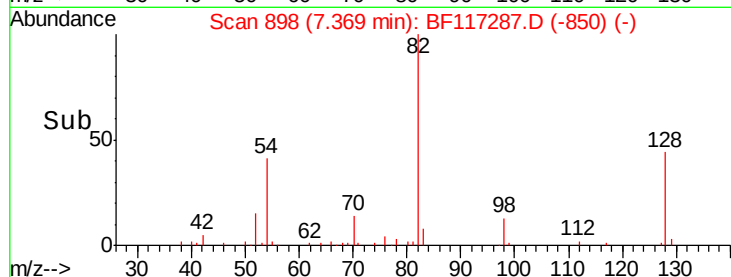
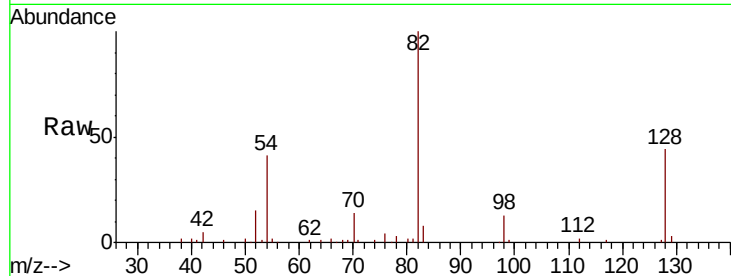




#23
Nitrobenzene-d5
Concen: 28.298 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

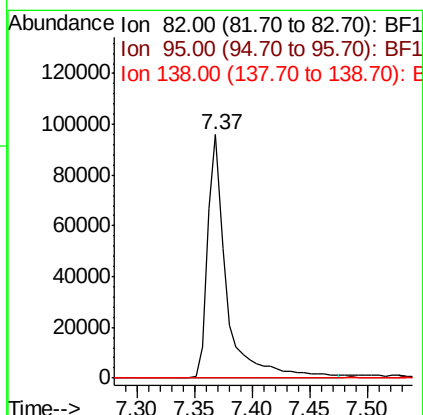
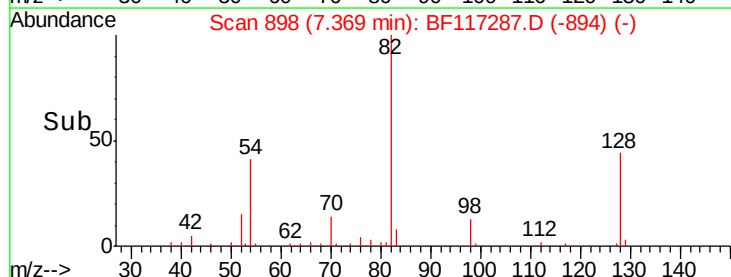
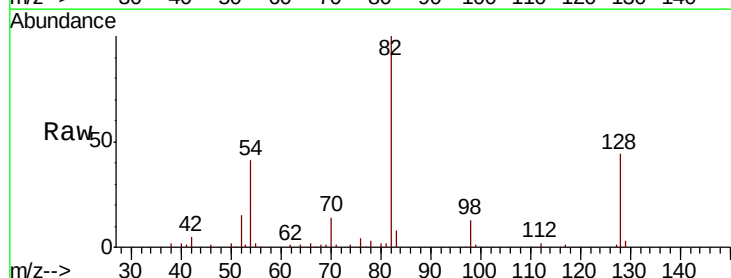
Instrument :
BNA_F
ClientSampleId :

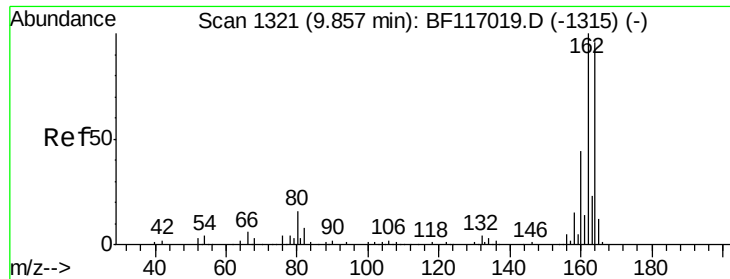
Tot Ion: 82 Resp: 110074
Ion Ratio Lower Upper
82 100
128 43.6 32.3 48.5
54 41.2 33.3 49.9



#25
Isophorone
Concen: 15.982 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion: 82 Resp: 110073
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#

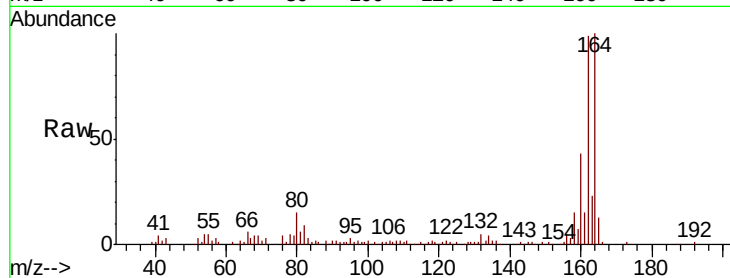




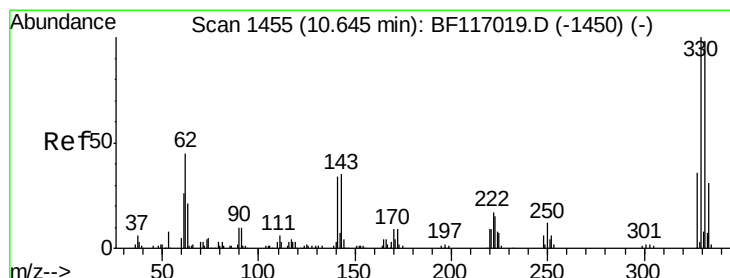
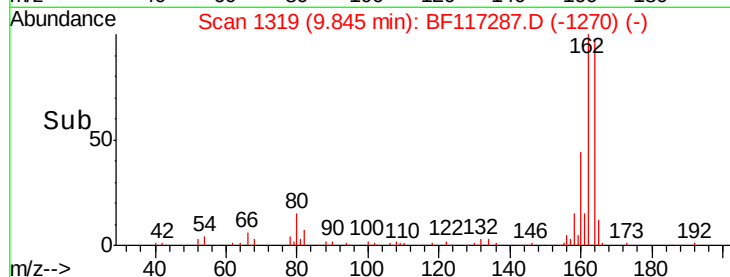
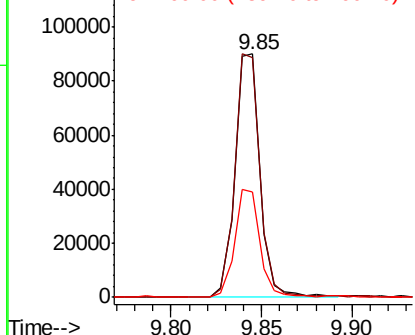
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 86694
Ion Ratio Lower Upper
164 100
162 98.7 83.4 125.2
160 43.1 36.4 54.6

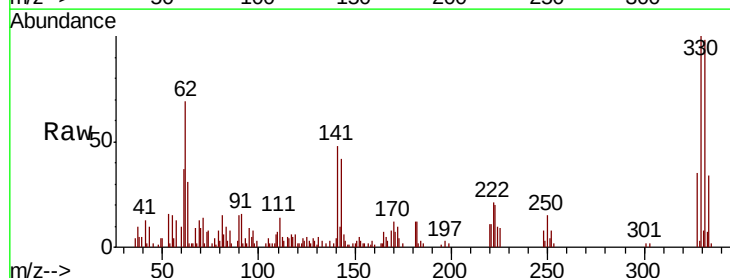


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

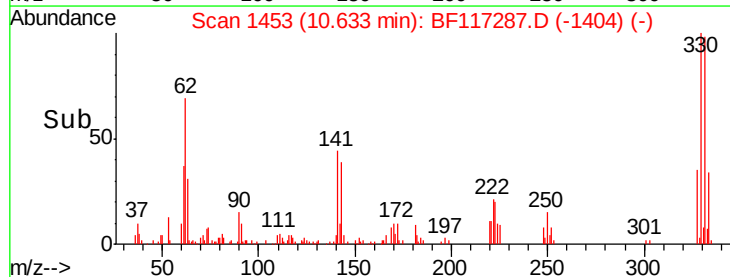
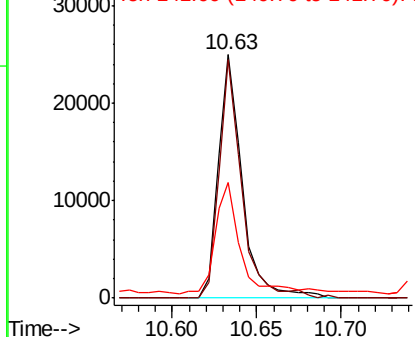


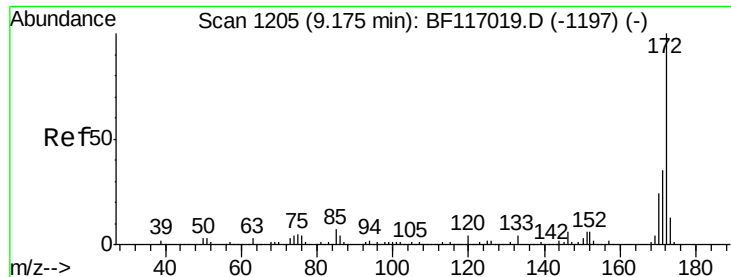
#42
2,4,6-Tribromophenol
Concen: 34.165 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion:330 Resp: 24755
Ion Ratio Lower Upper
330 100
332 93.2 78.0 117.0
141 49.9 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

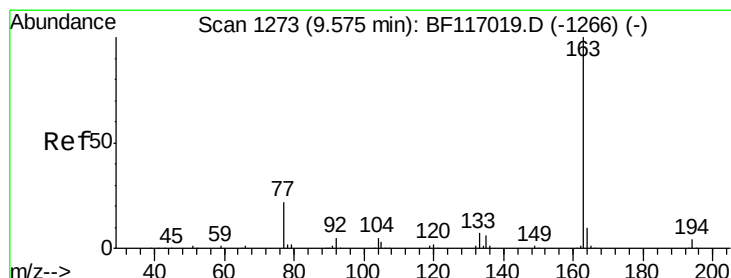
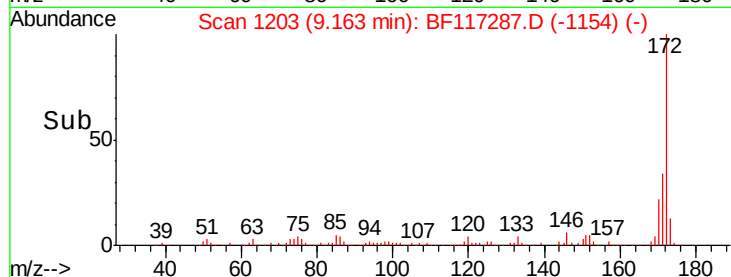
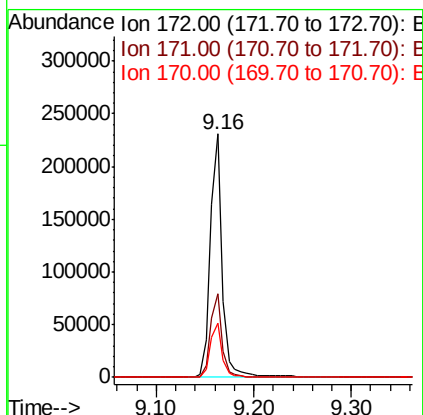
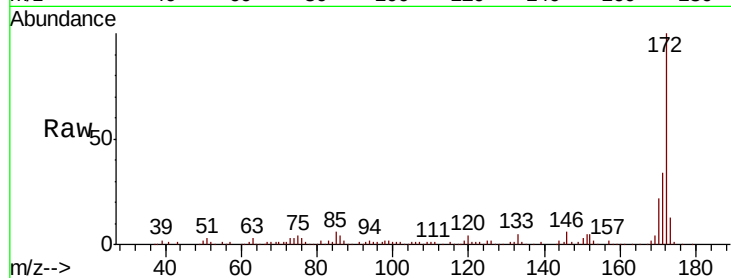




#45
2-Fluorobiphenyl
Concen: 35.285 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

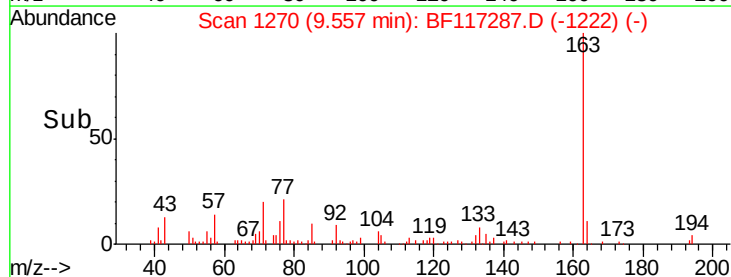
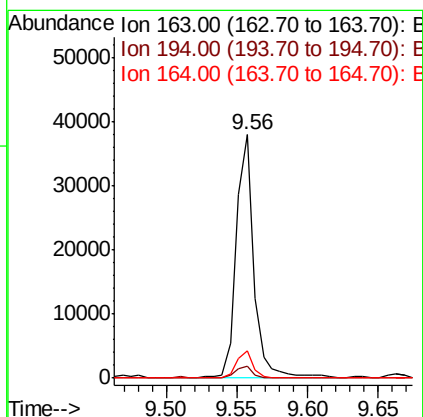
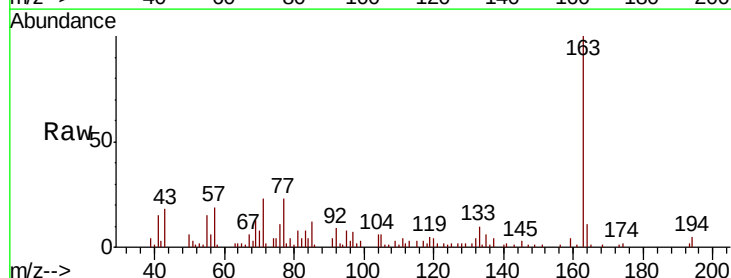
Instrument :
BNA_F
ClientSampleId :

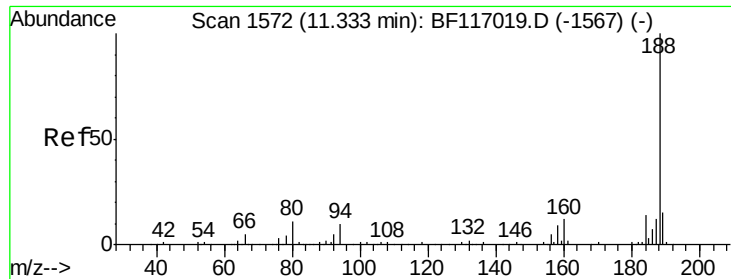
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.2
170	22.2	18.9	28.3



#50
Dimethylphthalate
Concen: 5.416 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	2.9	4.3#
164	11.2	8.2	12.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

ClientSampleId :

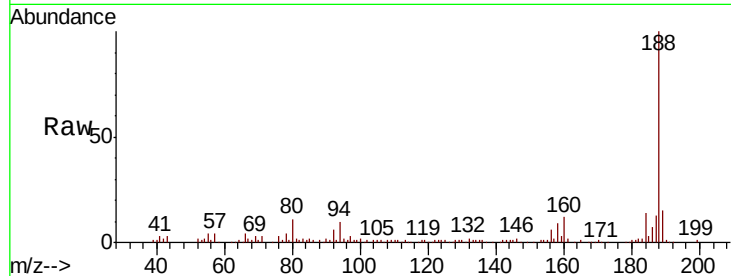
Tot Ion:188 Resp: 110596

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

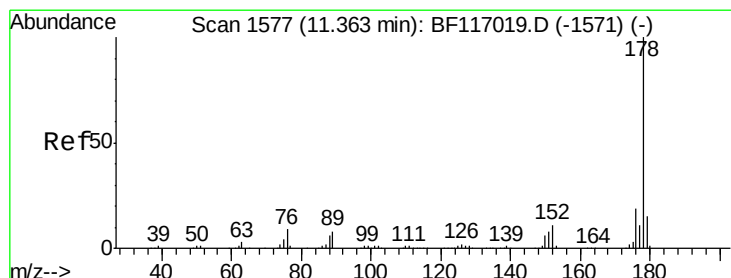
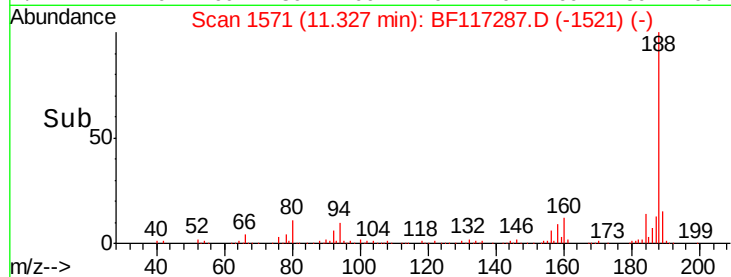
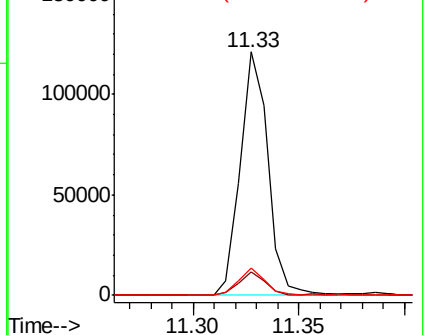
80 11.4 9.0 13.6



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: 17.034 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

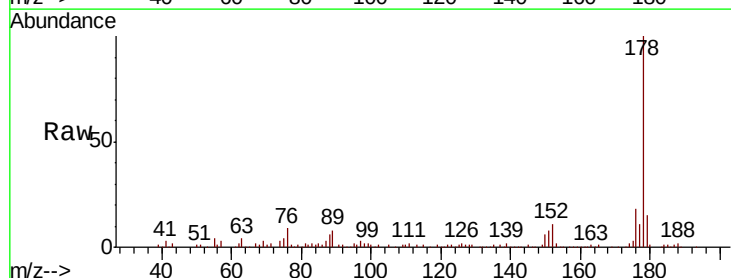
Tgt Ion:178 Resp: 107005

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

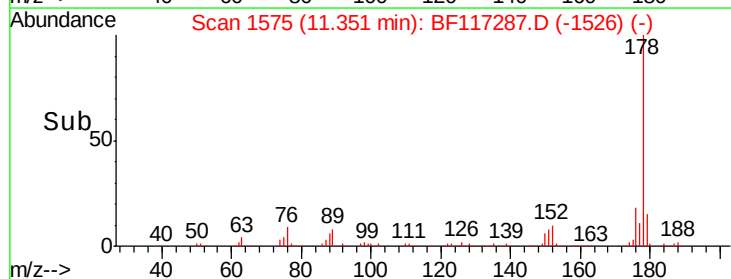
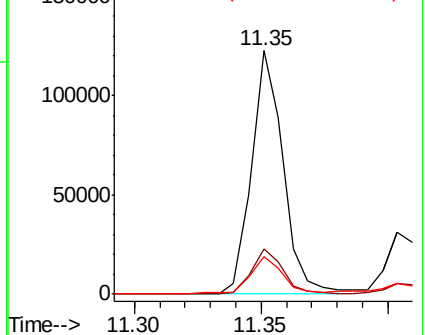
179 15.4 12.4 18.6

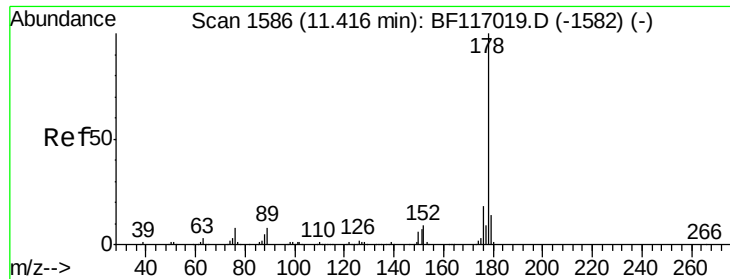


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

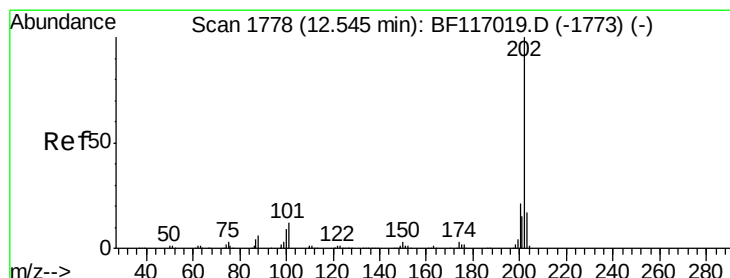
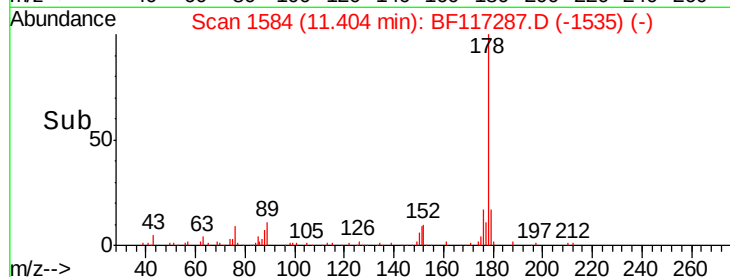
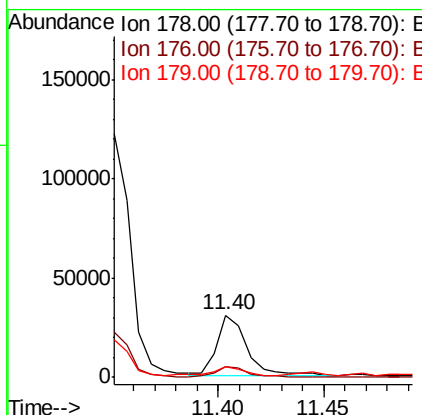
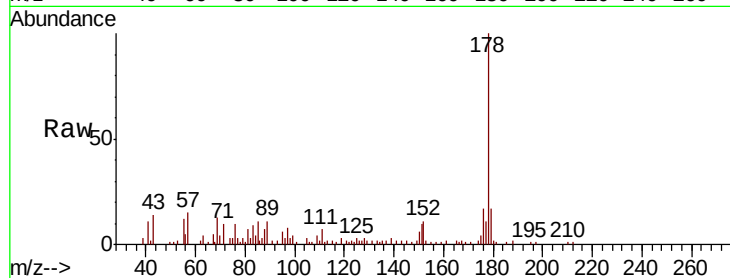




#72
 Anthracene
 Concen: 4.756 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

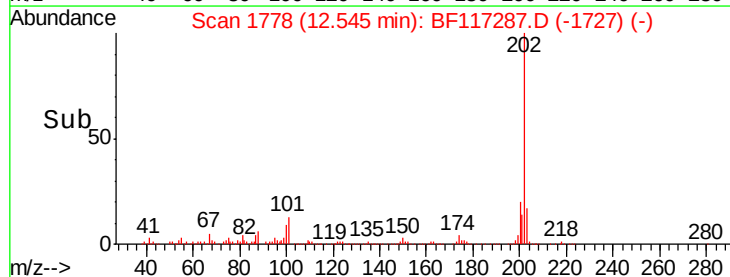
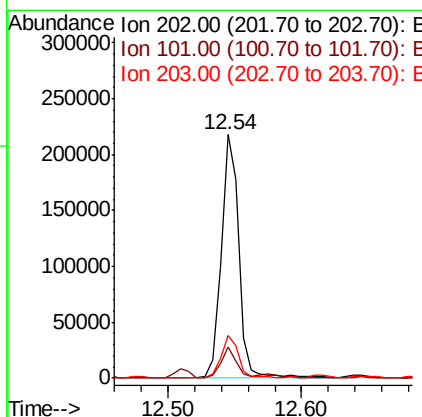
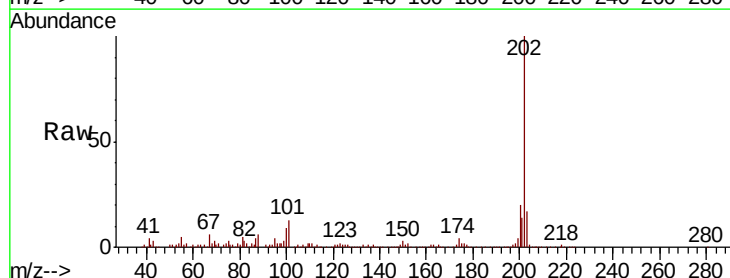
Instrument :
 BNA_F
 ClientSampleId :

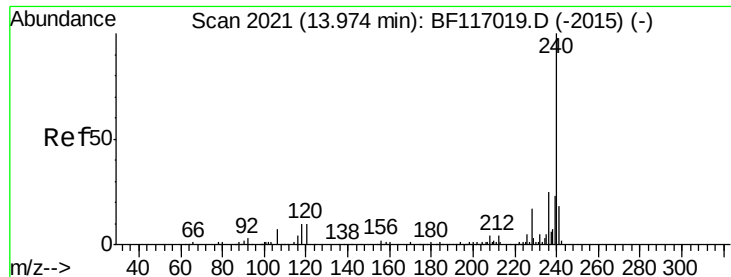
Tot Ion:178 Resp: 30501
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.6 21.8
 179 17.0 11.6 17.4



#75
 Fluoranthene
 Concen: 31.569 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Tgt Ion:202 Resp: 203763
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 32.3
 203 17.4 0.0 37.1

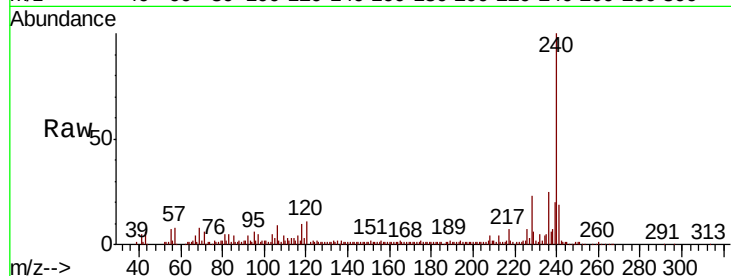




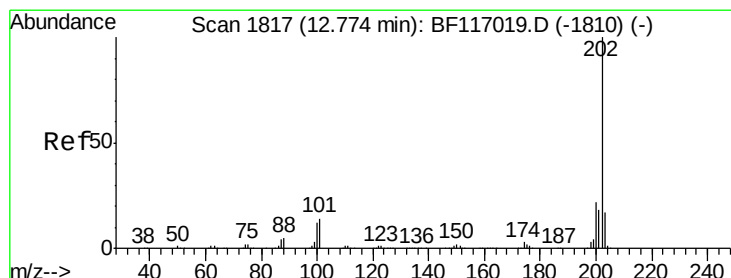
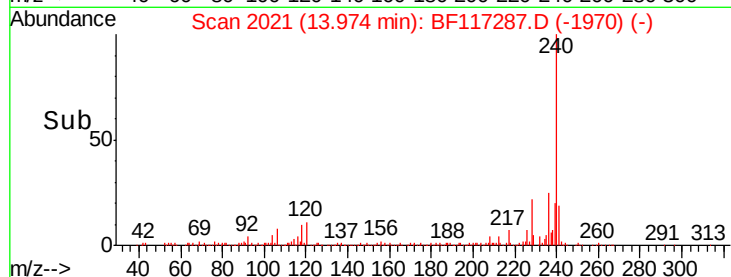
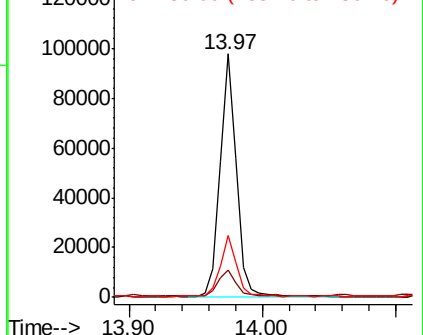
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 86539
Ion Ratio Lower Upper
240 100
120 11.5 8.3 12.5
236 25.2 20.3 30.5

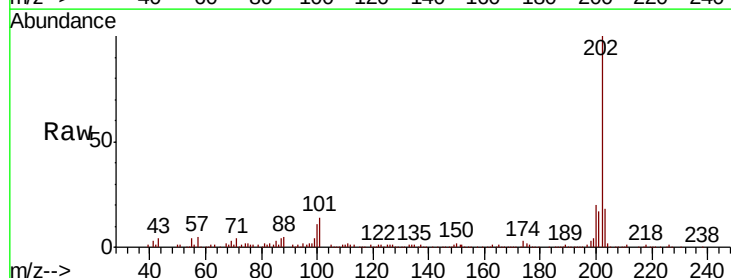


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

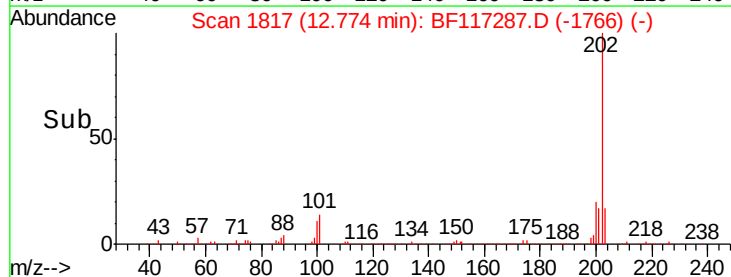
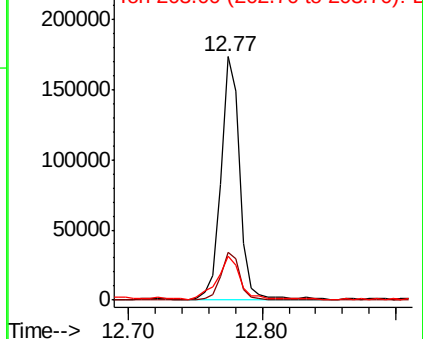


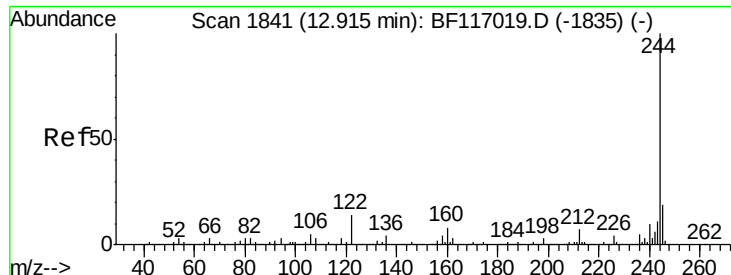
#78
Pyrene
Concen: 23.716 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion:202 Resp: 172211
Ion Ratio Lower Upper
202 100
200 19.7 17.2 25.8
203 17.9 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

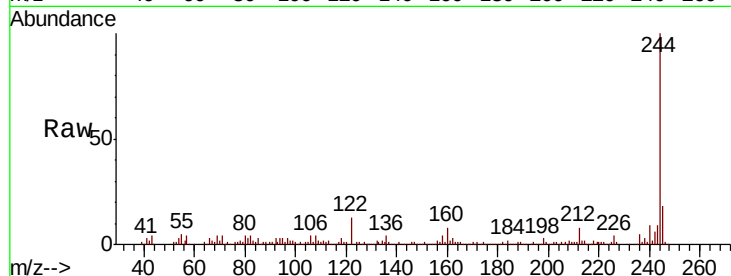




#79
 Terphenyl-d14
 Concen: 29.243 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	12.8	11.3	16.9

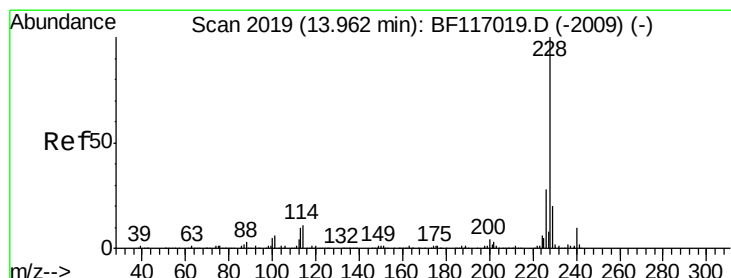
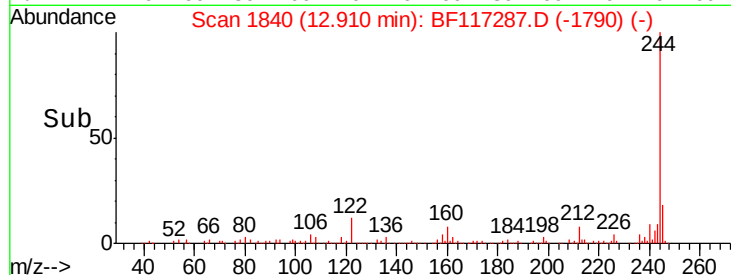
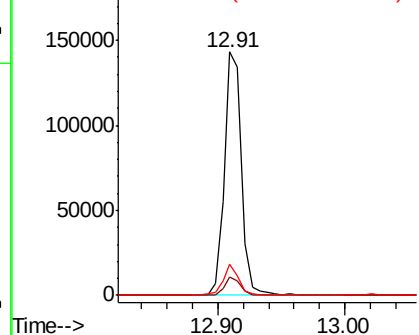


Abundance

Ion 244.00 (243.70 to 244.70): E

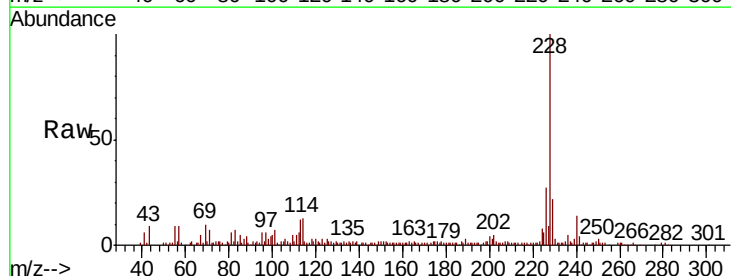
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 14.267 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF117287.D
 Acq: 1 Oct 2019 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	21.7	15.9	23.9

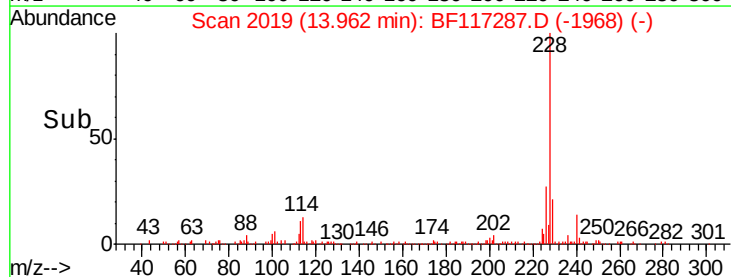
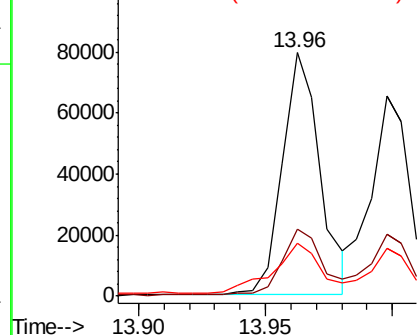


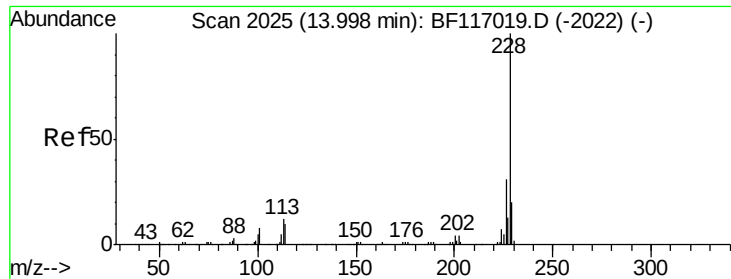
Abundance

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: 12.480 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

ClientSampled :

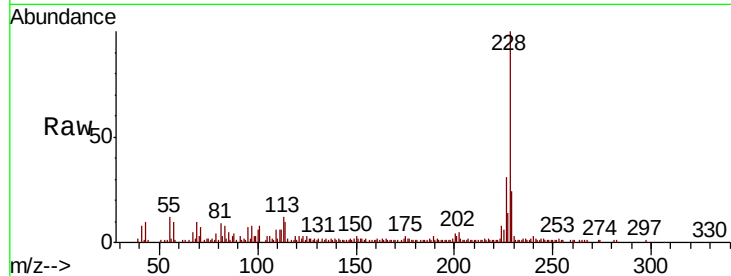
Tot Ion:228 Resp: 70377

Ion Ratio Lower Upper

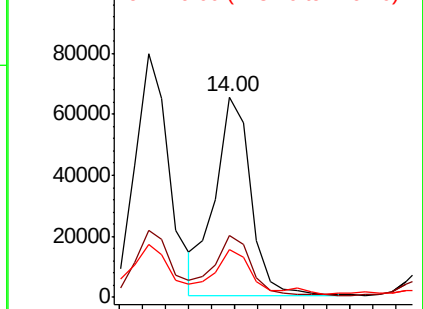
228 100

226 30.9 24.8 37.2

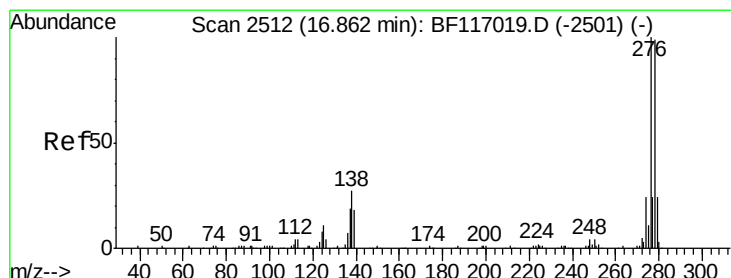
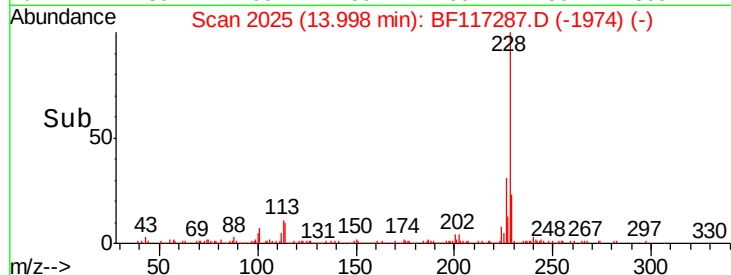
229 23.6 15.8 23.8



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



Time--> 13.95 14.00 14.05



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.020 ng

RT: 16.89 min Scan# 2517

Delta R.T. 0.03 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

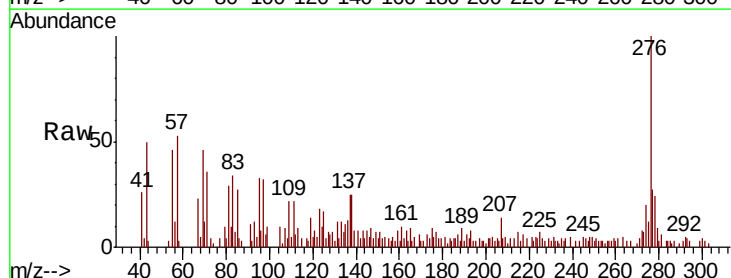
Tgt Ion:276 Resp: 24768

Ion Ratio Lower Upper

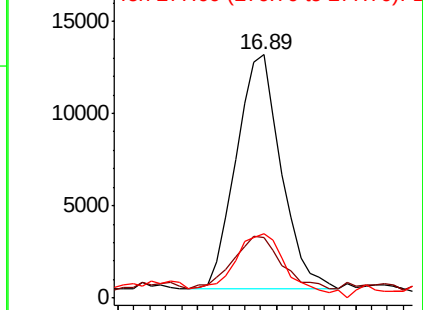
276 100

138 26.0 20.7 31.1

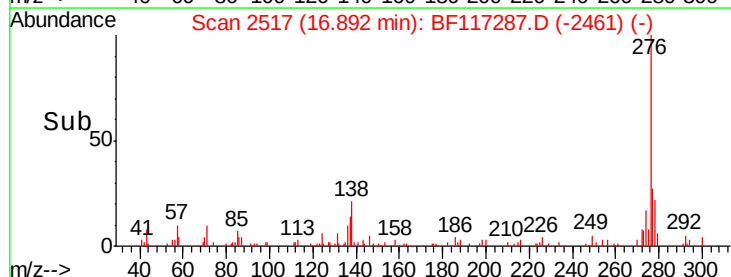
277 33.7 19.8 29.8#

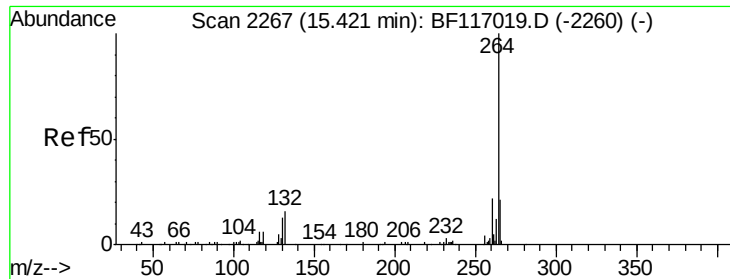


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 16.80 16.85 16.90 16.95





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.01 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

Instrument :

BNA_F

ClientSampleId :

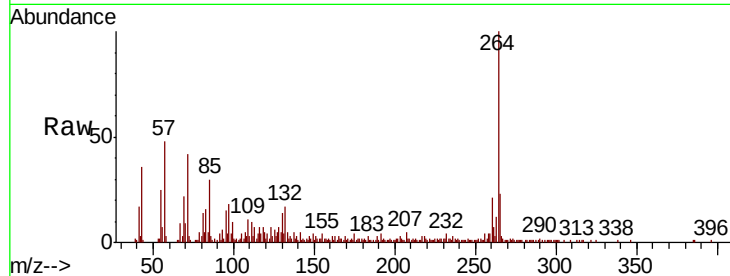
Tot Ion:264 Resp: 71100

Ion Ratio Lower Upper

264 100

260 21.2 17.6 26.4

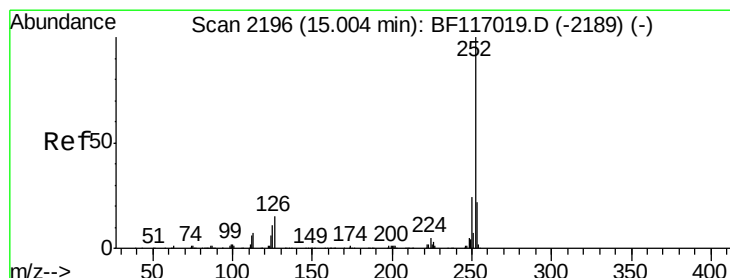
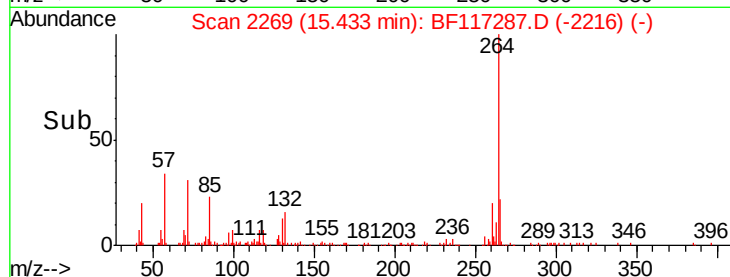
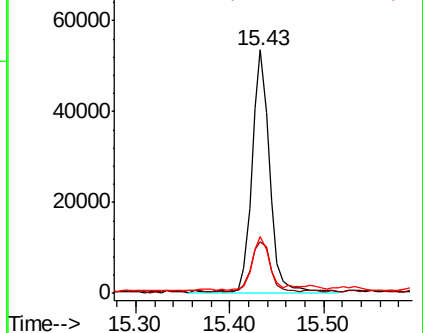
265 23.4 16.6 24.8



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: 21.546 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117287.D

Acq: 1 Oct 2019 20:02

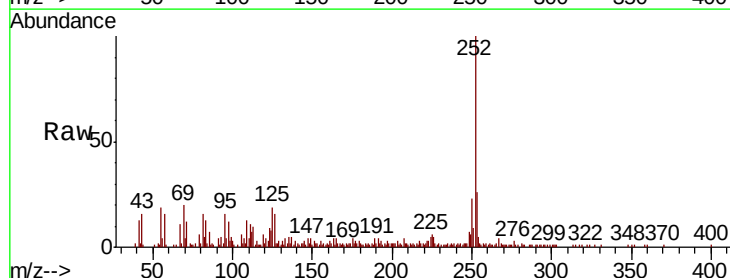
Tgt Ion:252 Resp: 92796

Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

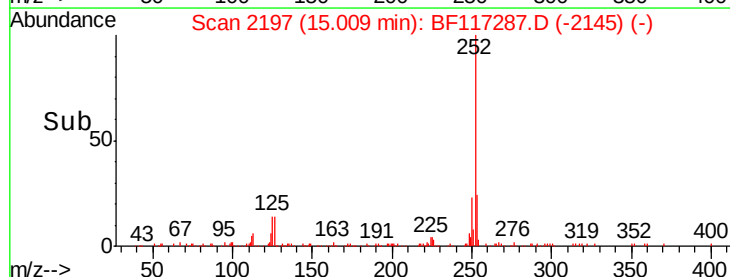
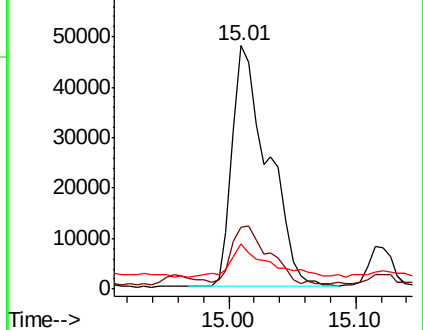
125 18.8 8.6 12.8#

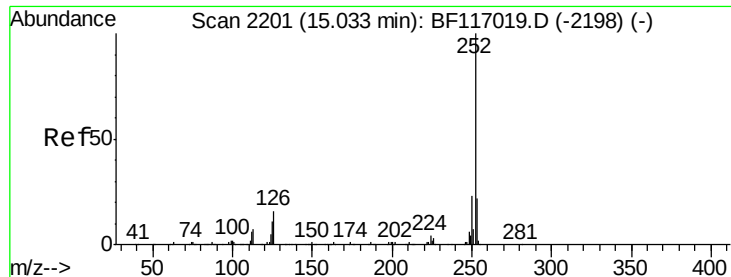


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

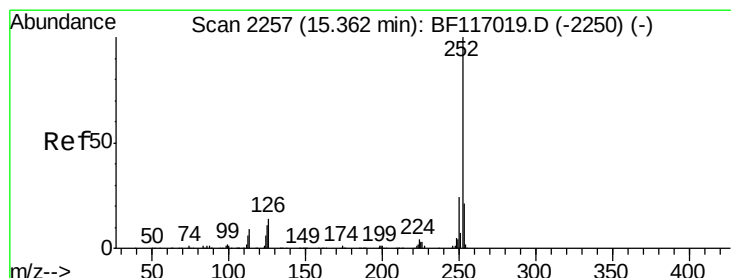
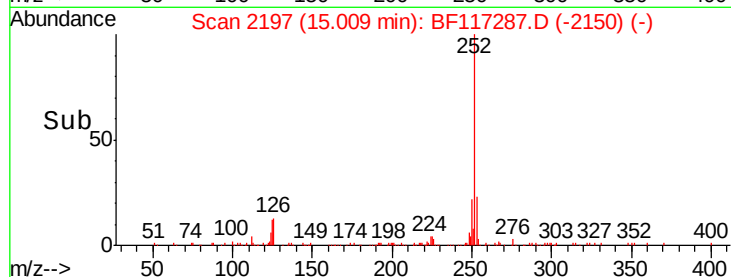
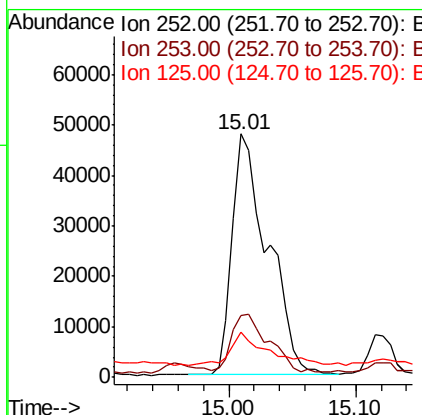
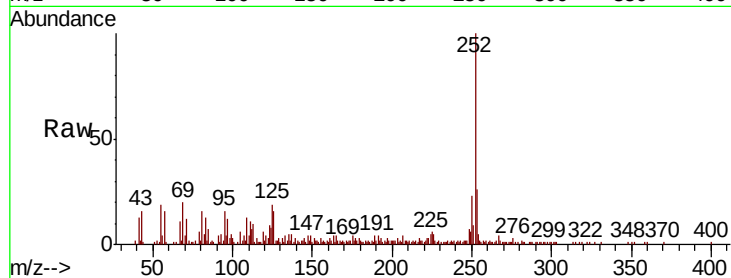




#89
Benzo(k)fluoranthene
Concen: 22.744 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

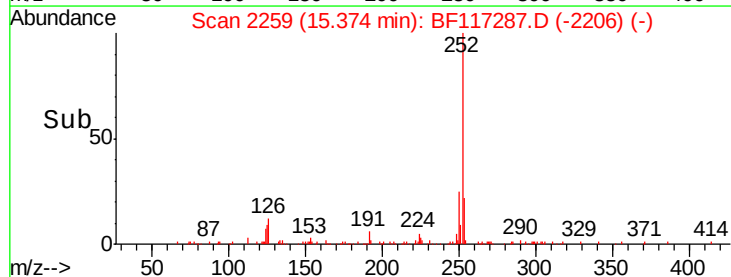
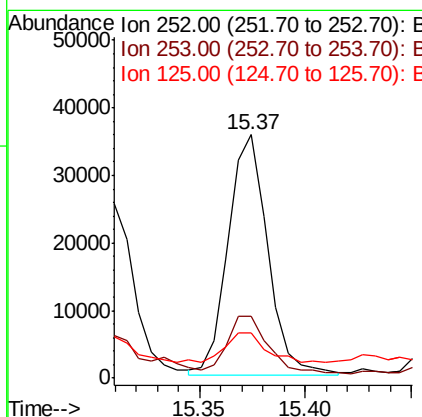
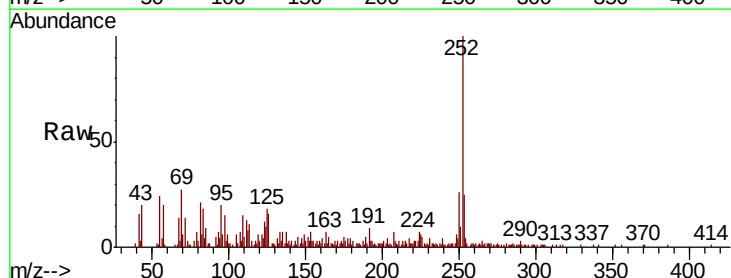
Instrument :
BNA_F
ClientSampleId :

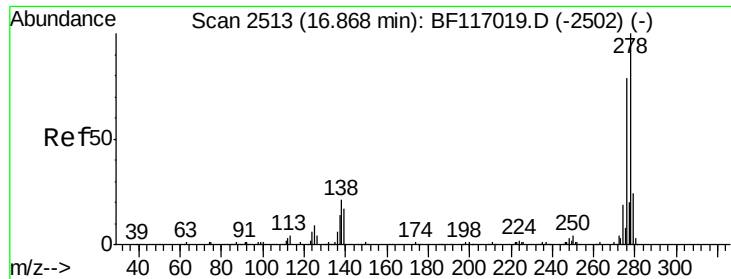
Tot Ion:252 Resp: 92789
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 18.8 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 12.219 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion:252 Resp: 46178
Ion Ratio Lower Upper
252 100
253 25.3 16.6 25.0#
125 18.3 8.9 13.3#



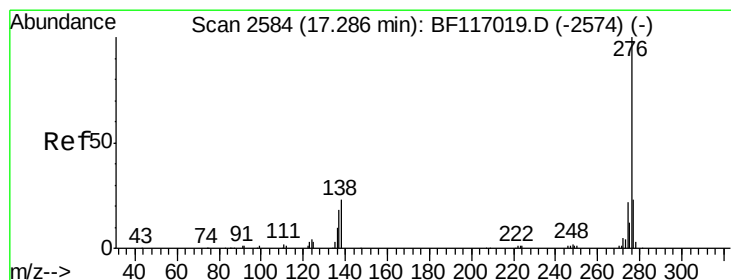
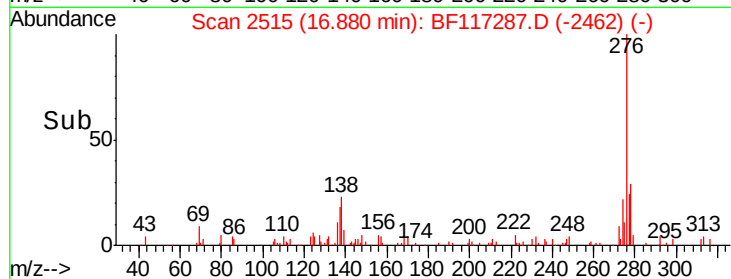
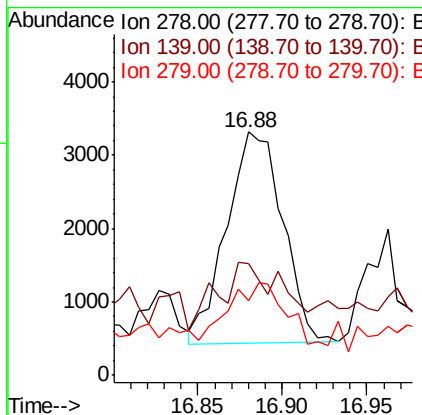
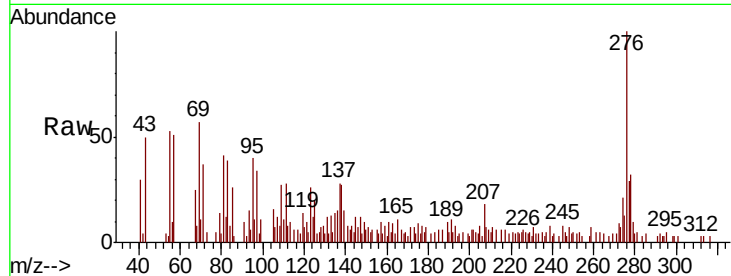


#91
Dibenzo(a,h)anthracene
Concen: 2.223 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 6692

Ion	Ratio	Lower	Upper
278	100		
139	46.1	13.5	20.3#
279	30.9	18.8	28.2#



#92
Benzo(g,h,i)perylene
Concen: 8.774 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.04 min
Lab File: BF117287.D
Acq: 1 Oct 2019 20:02

Tgt Ion:276 Resp: 26322

Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	27.8
138	24.0	18.0	27.0

