

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119082.D
 Acq On : 25 Feb 2020 23:42
 Operator : CG/JU
 Sample : L1669-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 01:30:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	177622	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	691192	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	360997	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	594556	20.00	ng	0.00
76) Chrysene-d12	13.90	240	370659	20.00	ng	0.00
87) Perylene-d12	15.33	264	362568	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1040489	97.90	ng	0.00
7) Phenol-d6	6.40	99	1274547	98.60	ng	0.00
23) Nitrobenzene-d5	7.32	82	852185	65.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	427751	90.58	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1577822	64.39	ng	-0.01
79) Terphenyl-d14	12.85	244	1424024	66.14	ng	0.00

Target Compounds

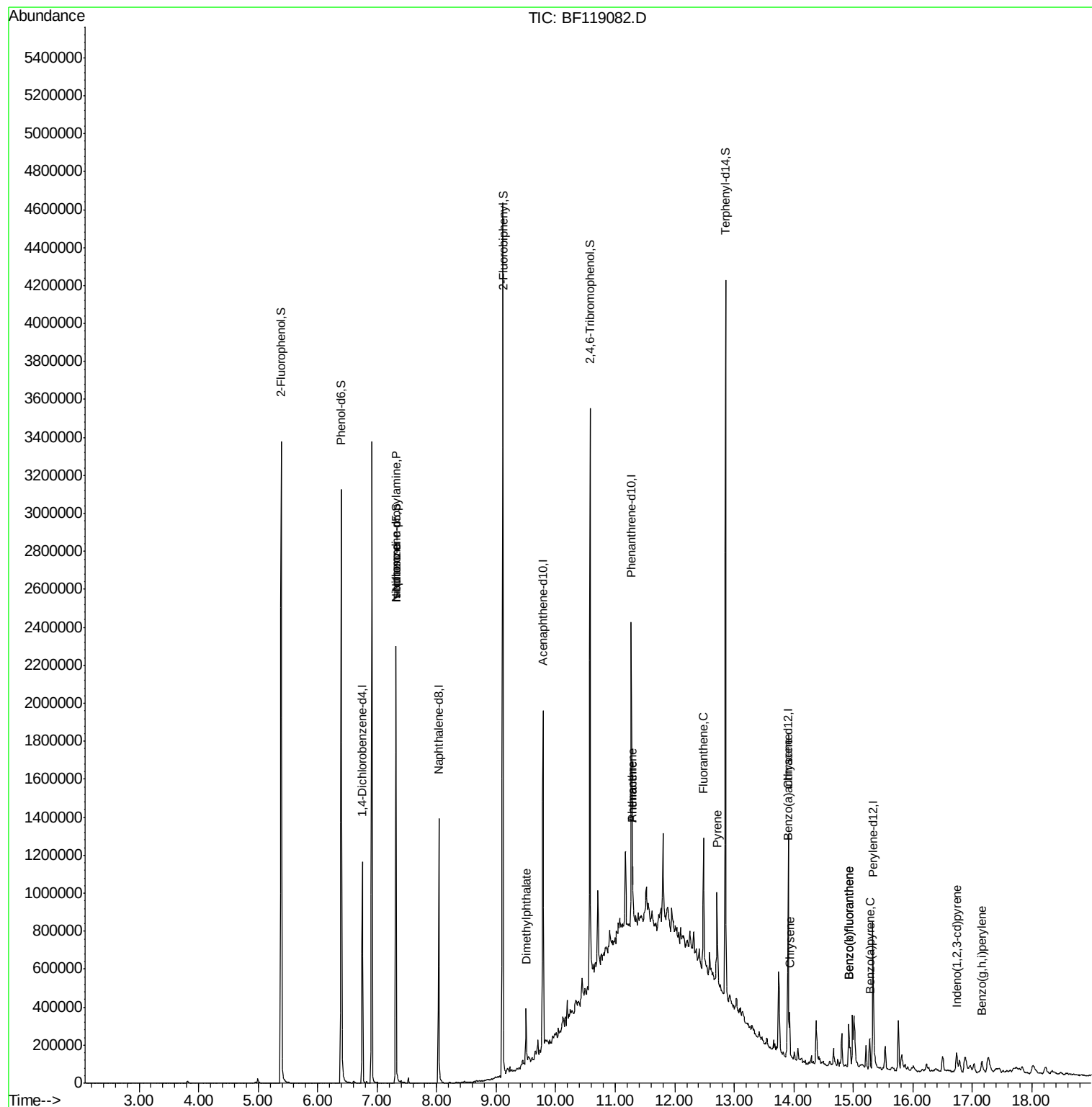
						Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	115949	15.394	ng	# 76
25) Isophorone	7.32	82	852180	37.484	ng	# 63
50) Dimethylphthalate	9.50	163	118503	4.293	ng	100
71) Phenanthrene	11.29	178	102315	3.156	ng	97
72) Anthracene	11.29	178	102315	3.158	ng	97
75) Fluoranthene	12.48	202	247100	7.180	ng	99
78) Pyrene	12.71	202	198041	6.654	ng	99
81) Benzo(a)anthracene	13.89	228	94788	3.753	ng	100
83) Chrysene	13.93	228	93948	3.733	ng	96
86) Indeno(1,2,3-cd)pyrene	16.73	276	58430	2.398	ng	95
88) Benzo(b)fluoranthene	14.92	252	159455	6.672	ng	97
89) Benzo(k)fluoranthene	14.92	252	159455	7.200	ng	97
90) Benzo(a)pyrene	15.27	252	77286	3.583	ng	99
92) Benzo(a,h,i)perylene	17.16	276	54389	2.901	ng	96

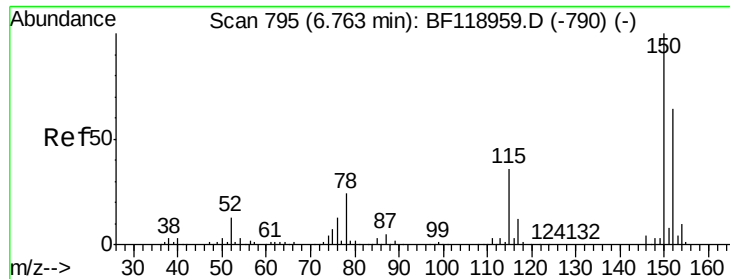
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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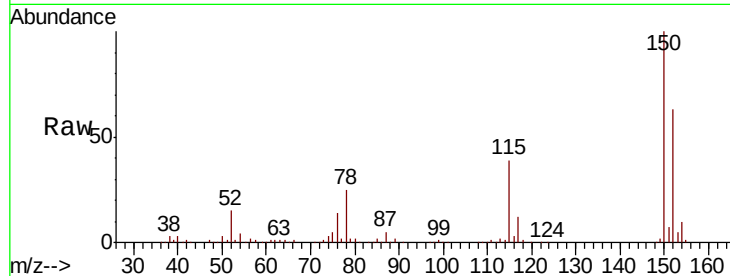


#1

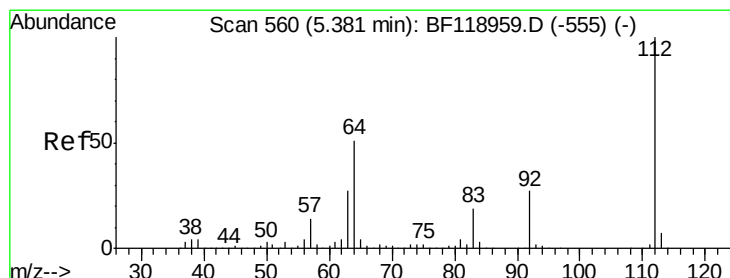
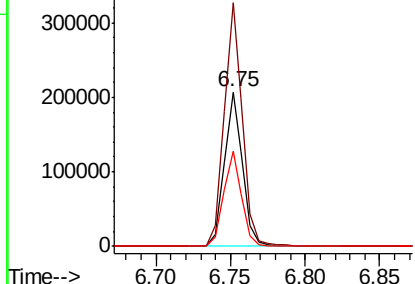
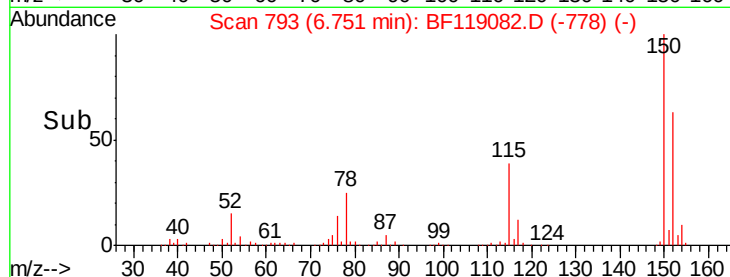
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF119082.D
 Acq: 25 Feb 2020 23:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 177622
 Ion Ratio Lower Upper
 152 100
 150 158.0 124.3 186.5
 115 61.9 44.6 67.0



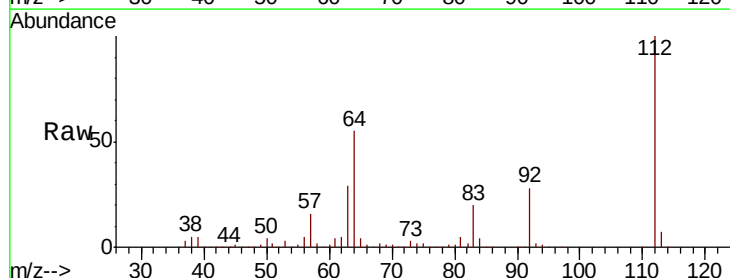
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



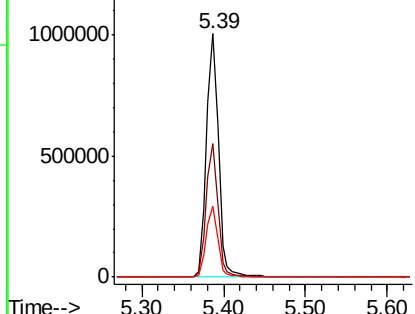
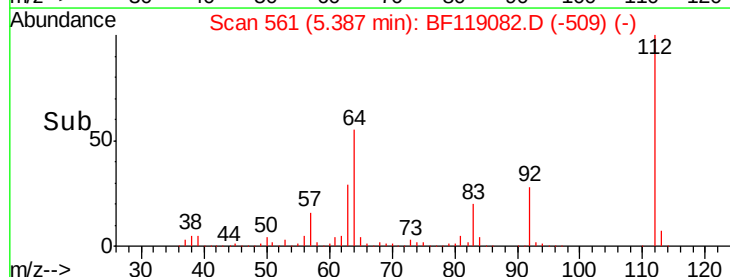
#5

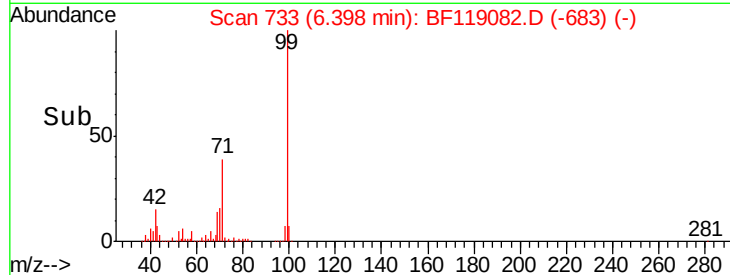
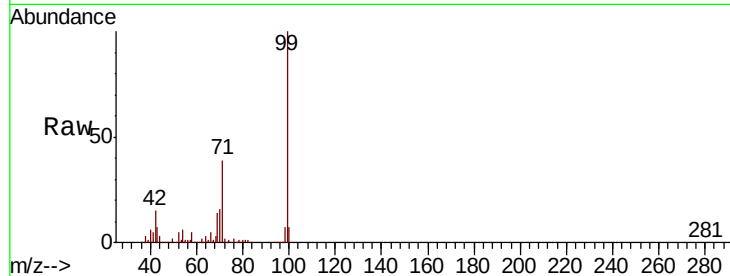
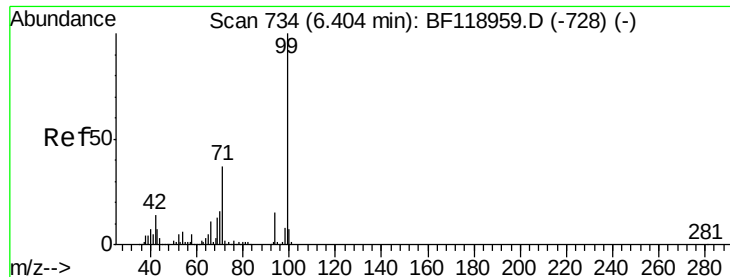
2-Fluorophenol
 Concen: 97.896 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: BF119082.D
 Acq: 25 Feb 2020 23:42

Tgt Ion:112 Resp: 1040489
 Ion Ratio Lower Upper
 112 100
 64 55.0 40.4 60.6
 63 29.1 21.3 31.9



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

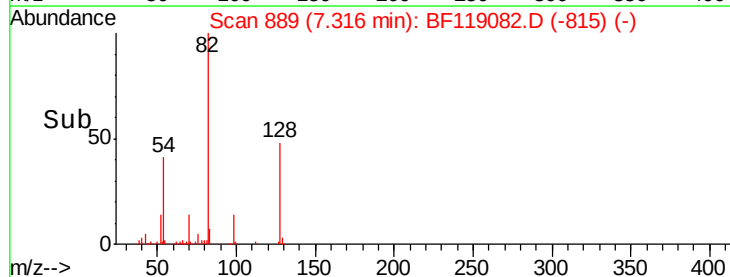
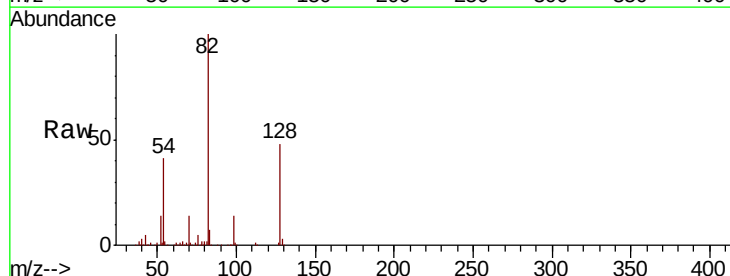
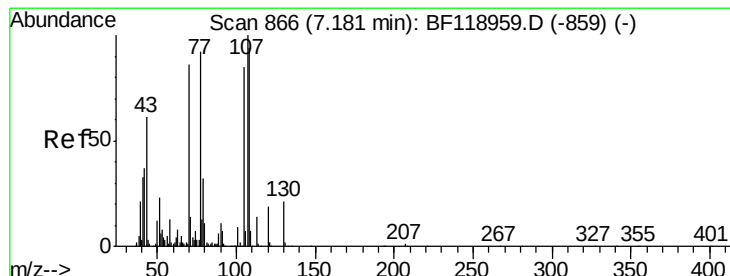
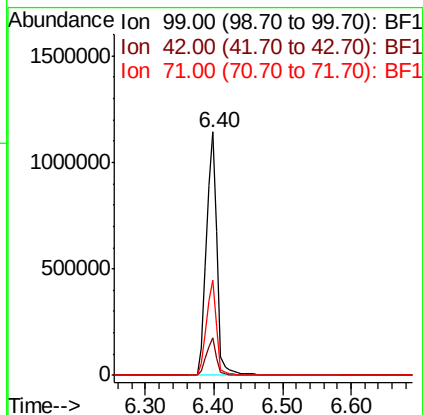




#7
 Phenol-d6
 Concen: 98.601 ng
 RT: 6.40 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF119082.D
 Acq: 25 Feb 2020 23:42

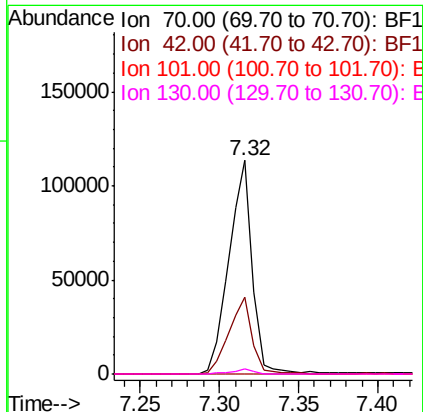
Tot Ion	Ratio	Lower	Upper
99	100		
42	15.3	11.4	17.0
71	39.0	29.8	44.6

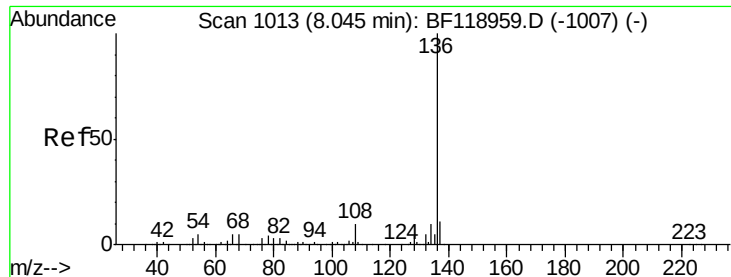
Instrument :
 BNA_F
 ClientSampleId :



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.394 ng
 RT: 7.32 min Scan# 889
 Delta R.T. 0.14 min
 Lab File: BF119082.D
 Acq: 25 Feb 2020 23:42

Tgt Ion	Ratio	Lower	Upper
70	100		
42	36.2	34.6	51.8
101	0.0	8.1	12.1#
130	2.2	19.4	29.2#

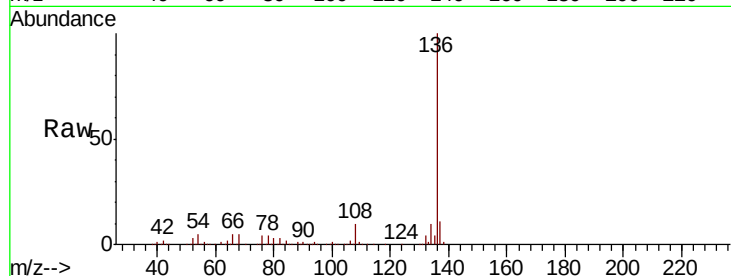




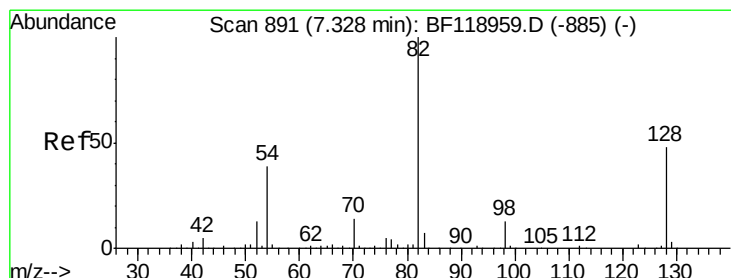
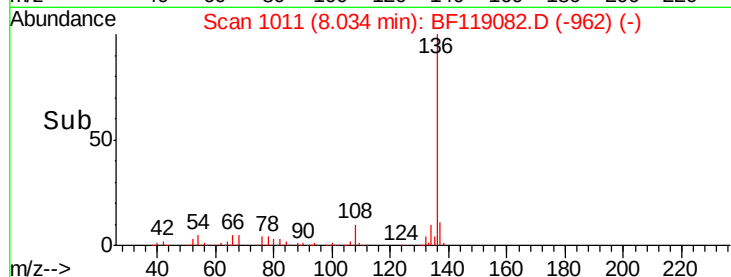
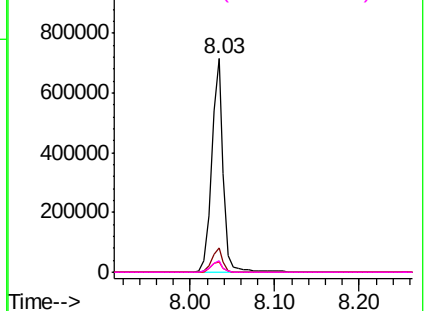
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	691192
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	5.0	3.8 5.6
68	5.2	4.2 6.2

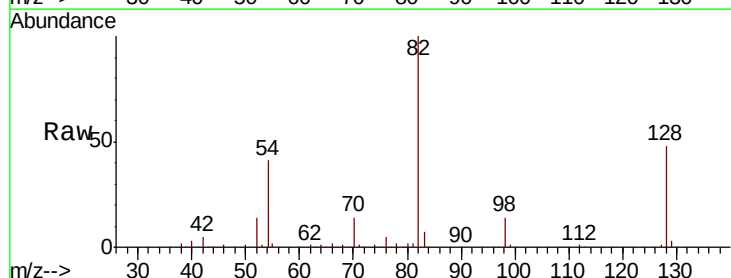


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

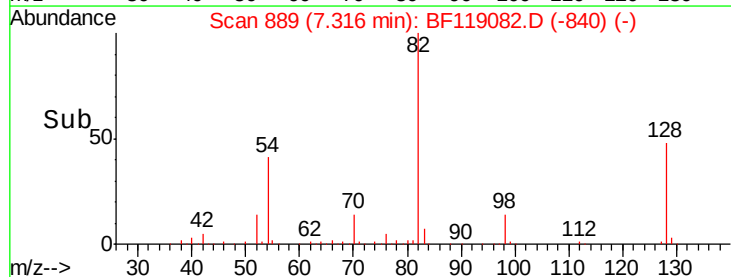
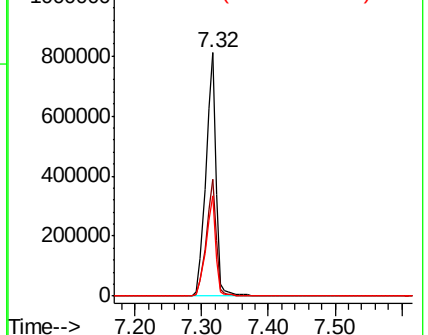


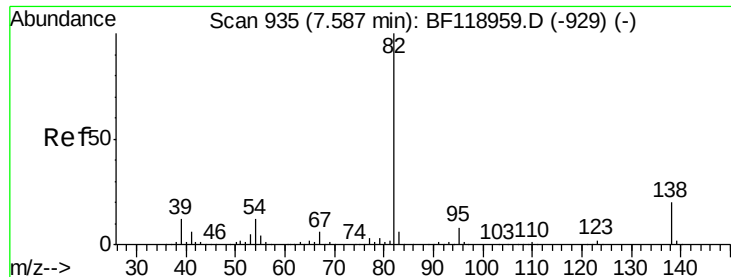
#23
Nitrobenzene-d5
Concen: 65.098 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion: 82	Resp:	852185
Ion	Ratio	Lower Upper
82	100	
128	48.0	38.2 57.2
54	41.2	31.3 46.9



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

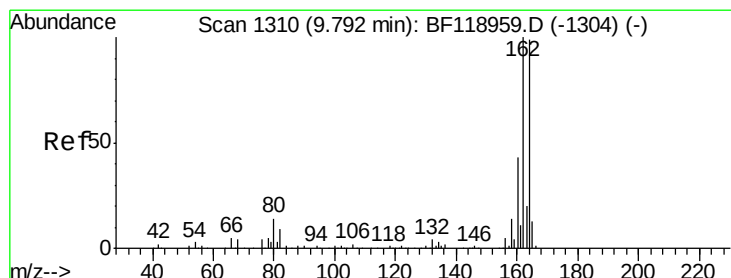
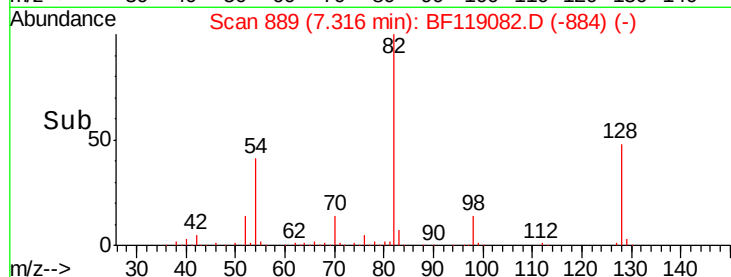
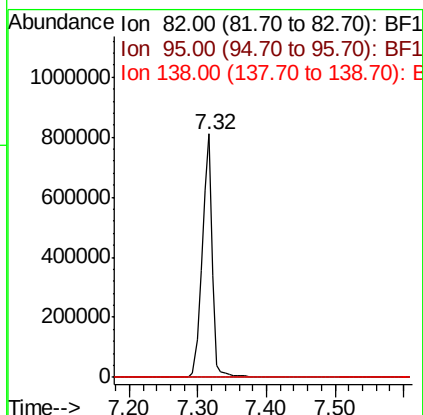
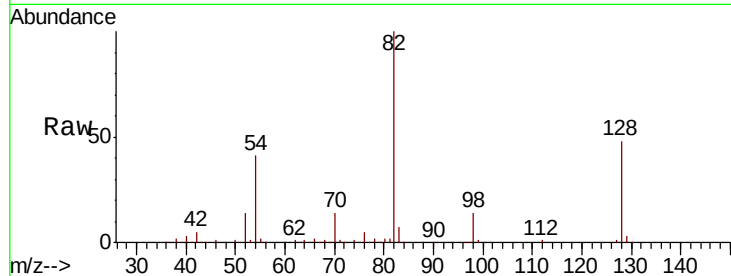




#25
Isophorone
Concen: 37.484 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.27 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

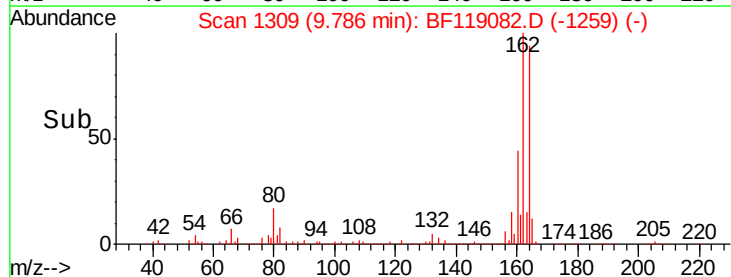
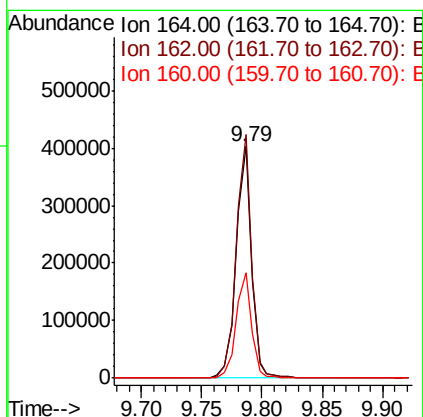
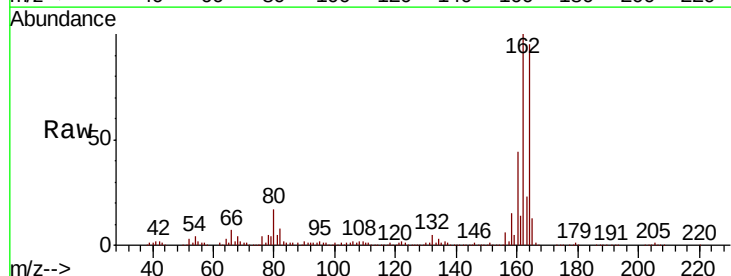
Instrument :
BNA_F
ClientSampleId :

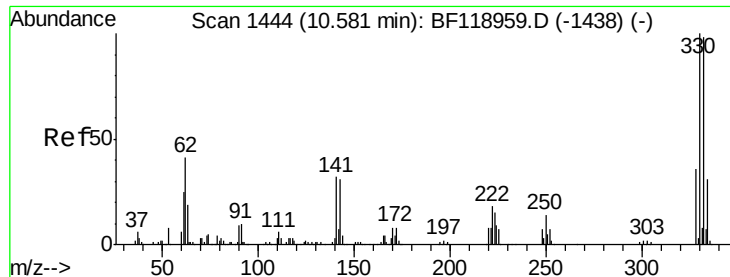
Tot Ion: 82 Resp: 852180
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion:164 Resp: 360997
Ion Ratio Lower Upper
164 100
162 105.2 81.2 121.8
160 45.7 35.2 52.8

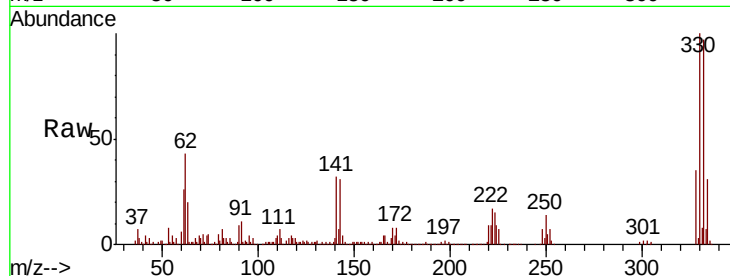




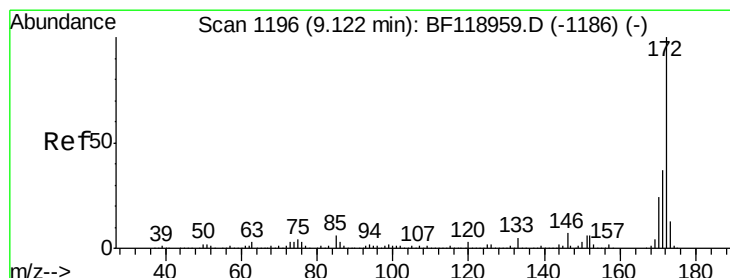
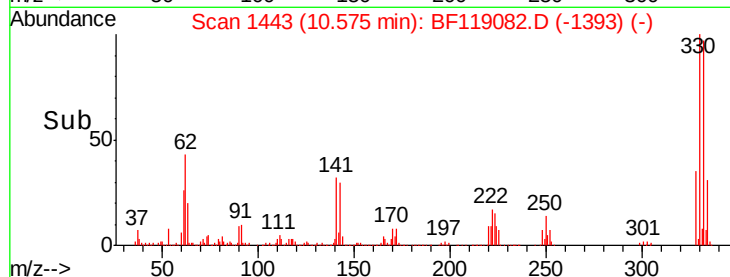
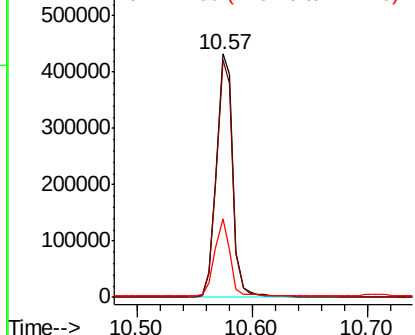
#42
 2,4,6-Tribromophenol
 Concen: 90.578 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119082.D
 Acq: 25 Feb 2020 23:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 427751
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.1 115.7
 141 29.1 23.0 34.6

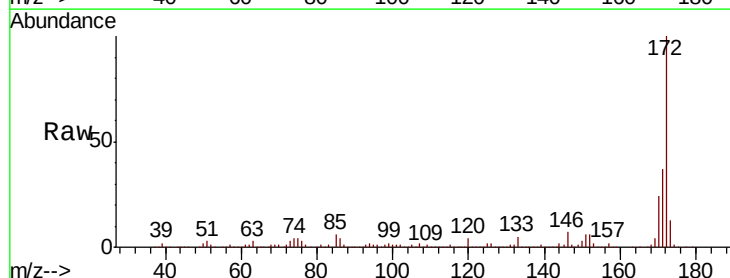


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

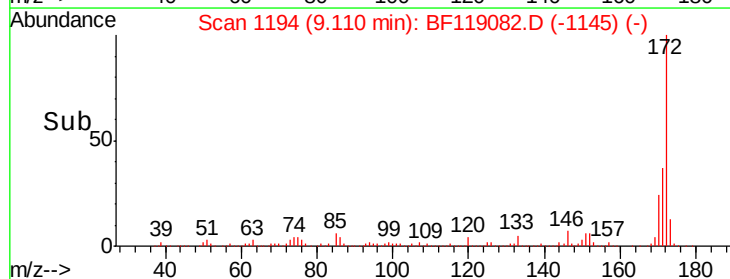
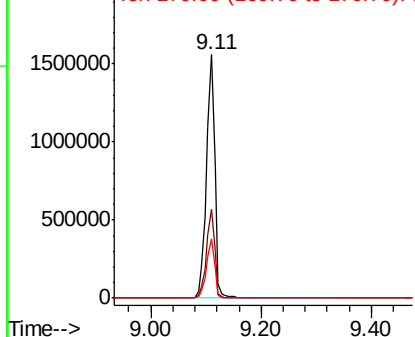


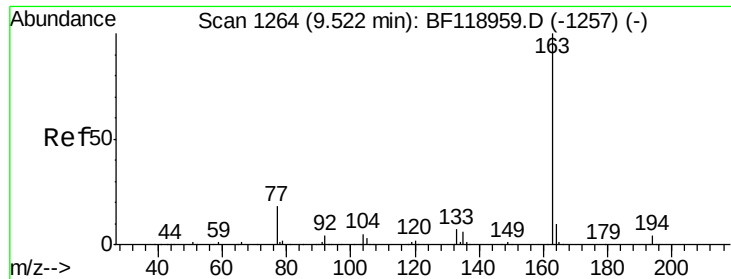
#45
 2-Fluorobiphenyl
 Concen: 64.388 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119082.D
 Acq: 25 Feb 2020 23:42

Tgt Ion:172 Resp: 1577822
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.1 19.6 29.4



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

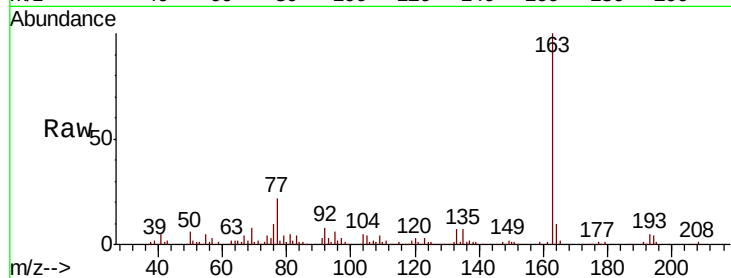




#50
Dimethylphthalate
Concen: 4.293 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.2	12.2

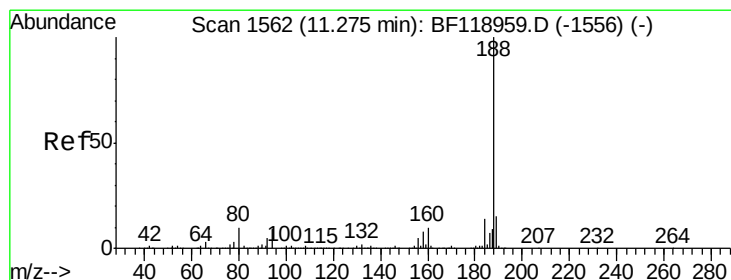
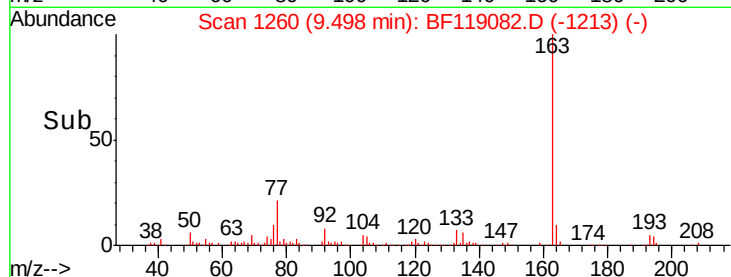
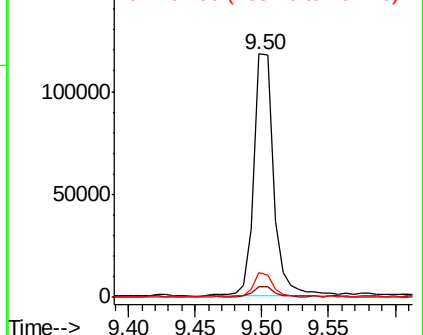


Abundance

Ion 163.00 (162.70 to 163.70): E

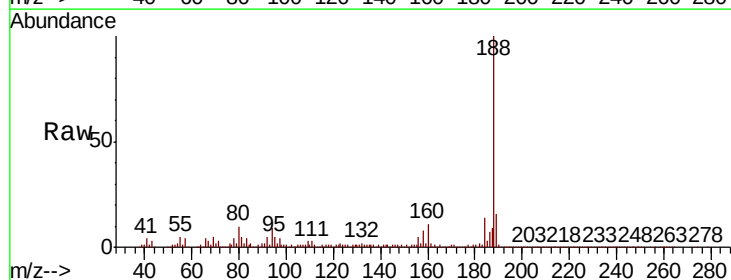
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.0	10.6
80	9.9	7.9	11.9

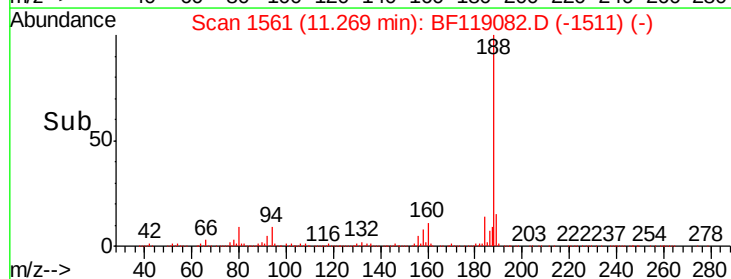
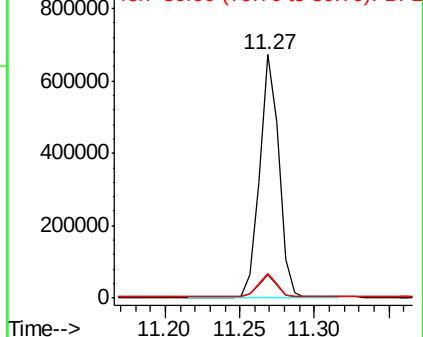


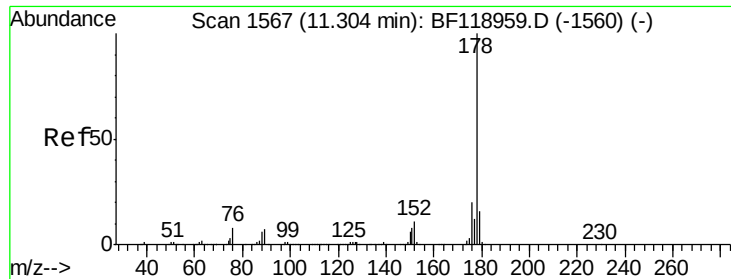
Abundance

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: 3.156 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF119082.D

Acq: 25 Feb 2020 23:42

Instrument :

BNA_F

ClientSampleId :

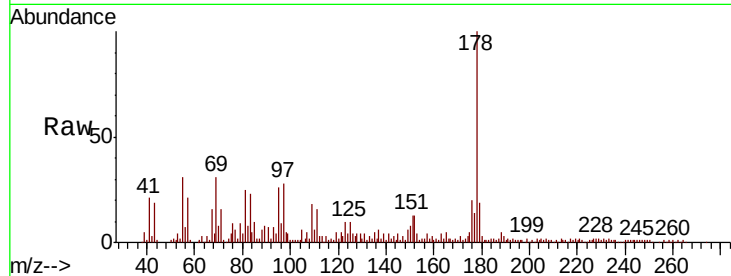
Tot Ion:178 Resp: 102315

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

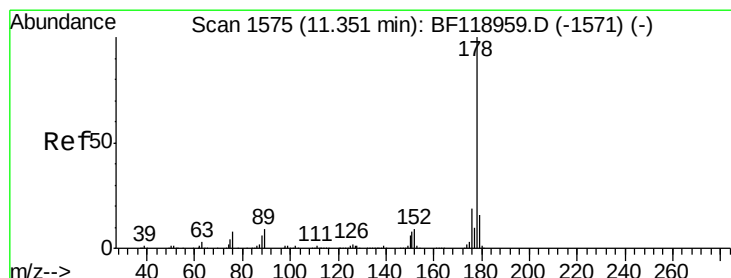
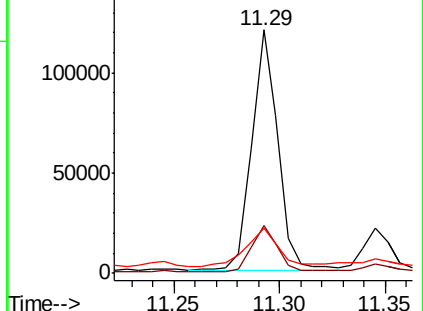
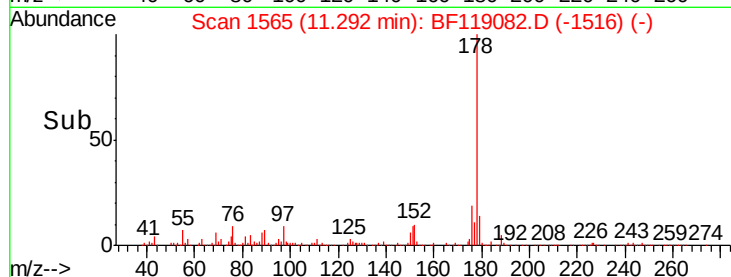
179 18.5 12.6 18.8



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: 3.158 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.06 min

Lab File: BF119082.D

Acq: 25 Feb 2020 23:42

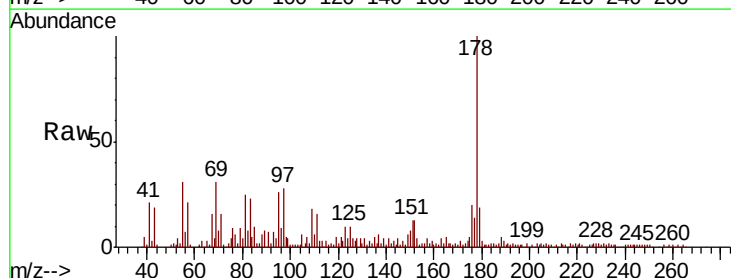
Tgt Ion:178 Resp: 102315

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

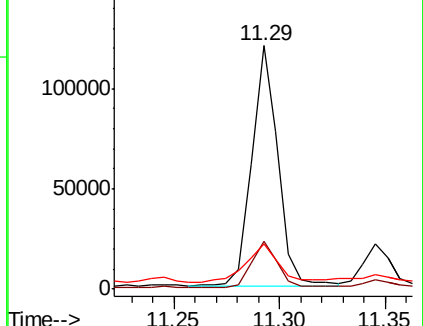
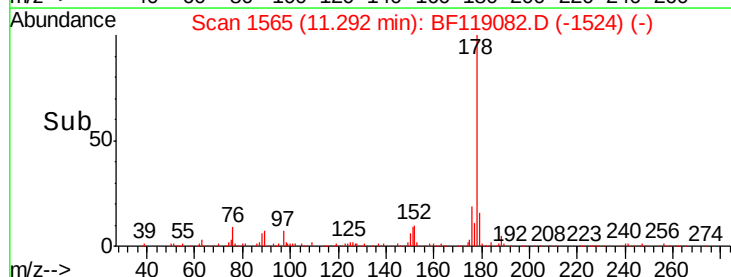
179 18.5 12.8 19.2

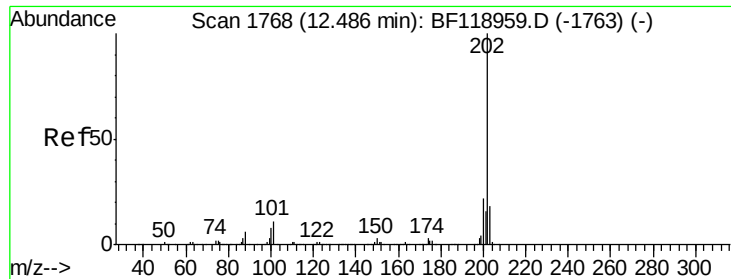


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.180 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF119082.D

Acq: 25 Feb 2020 23:42

Instrument :

BNA_F

ClientSampleId :

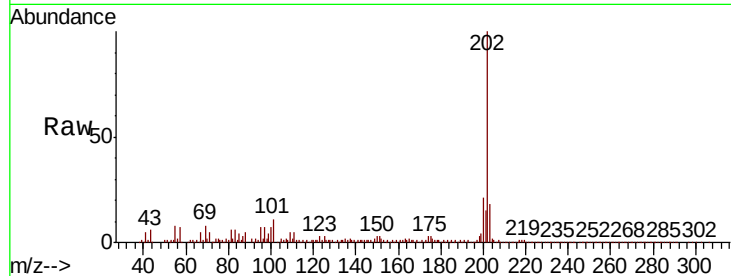
Tot Ion:202 Resp: 247100

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.1

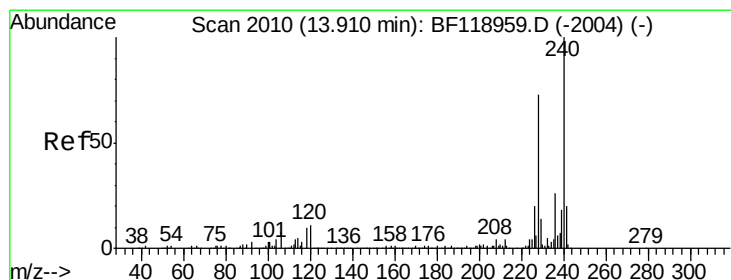
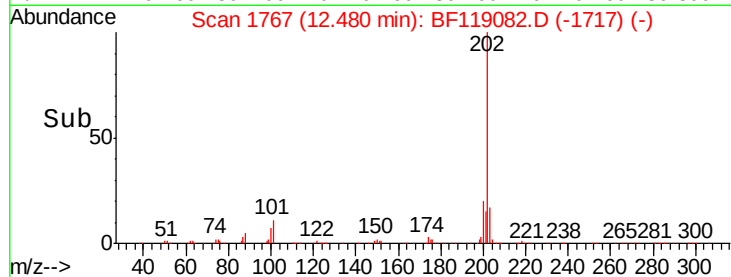
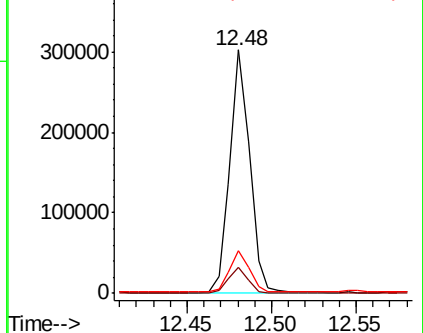
203 17.7 0.0 38.1



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: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF119082.D

Acq: 25 Feb 2020 23:42

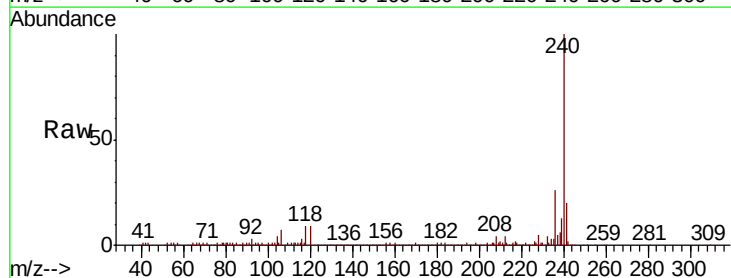
Tgt Ion:240 Resp: 370659

Ion Ratio Lower Upper

240 100

120 9.3 8.9 13.3

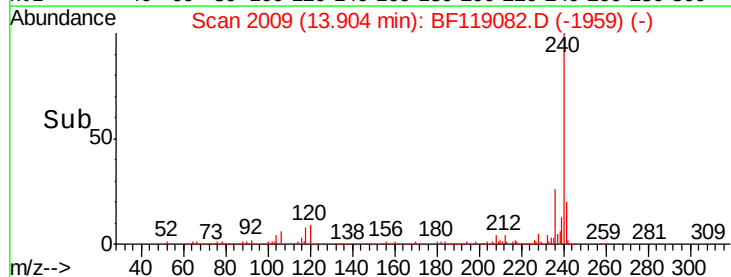
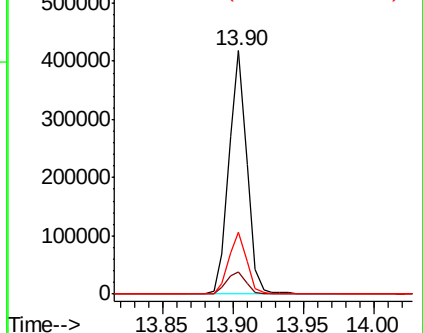
236 25.6 20.6 30.8

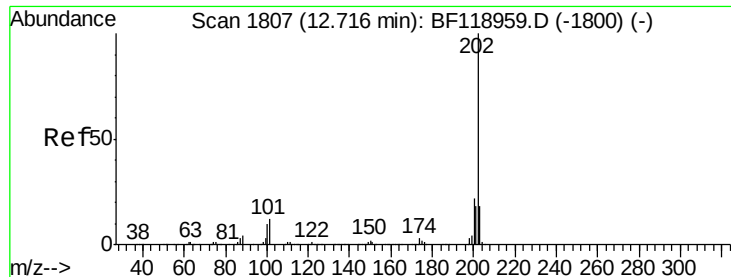


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

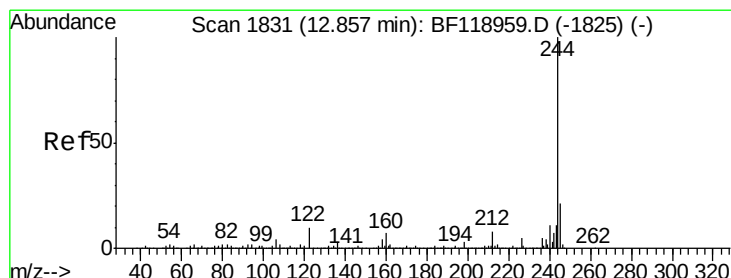
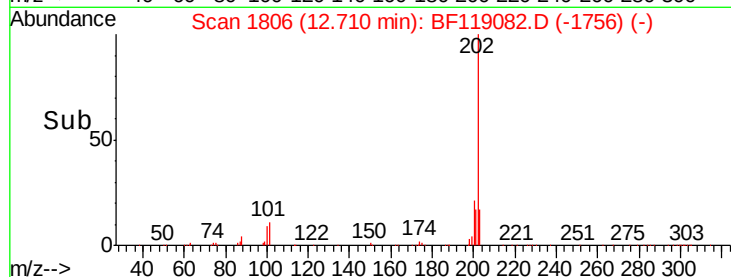
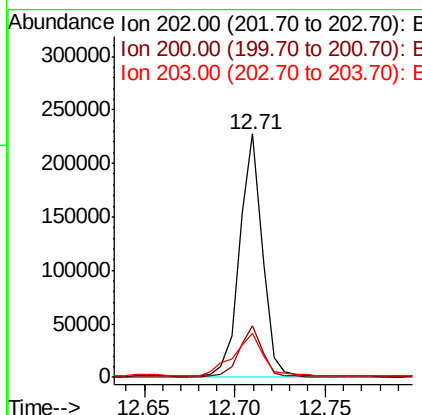
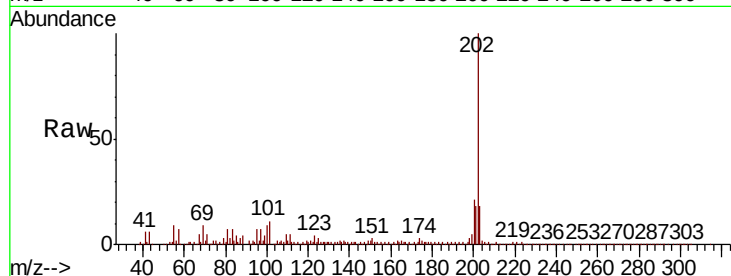




#78
Pvrene
Concen: 6.654 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

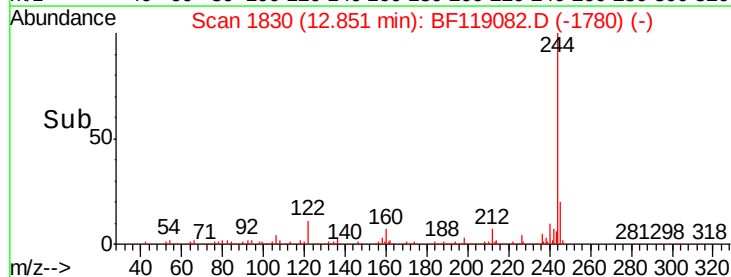
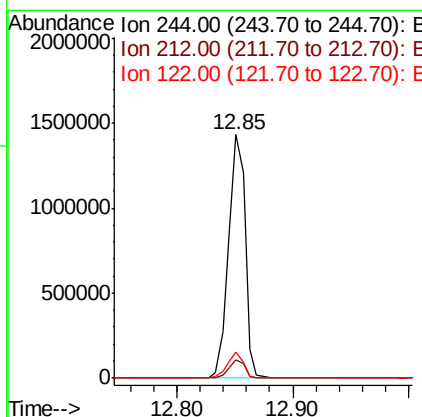
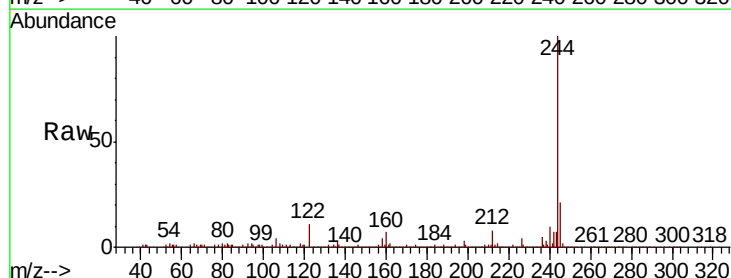
Instrument :
BNA_F
ClientSampleId :

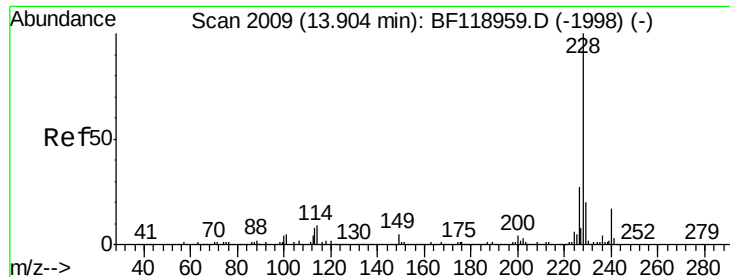
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.0
203	17.8	14.5	21.7



#79
Terphenyl-d14
Concen: 66.144 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.3	9.5
122	10.7	8.4	12.6





#81

Benzo(a)anthracene

Concen: 3.753 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF119082.D

Acq: 25 Feb 2020 23:42

Instrument :

BNA_F

ClientSampleId :

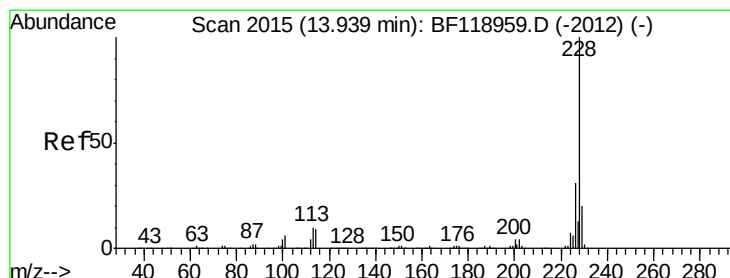
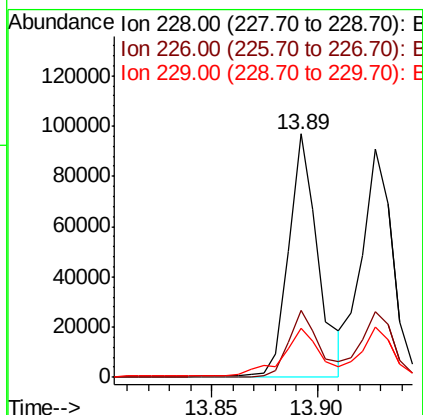
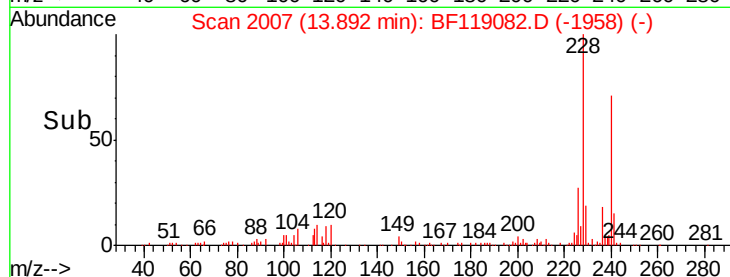
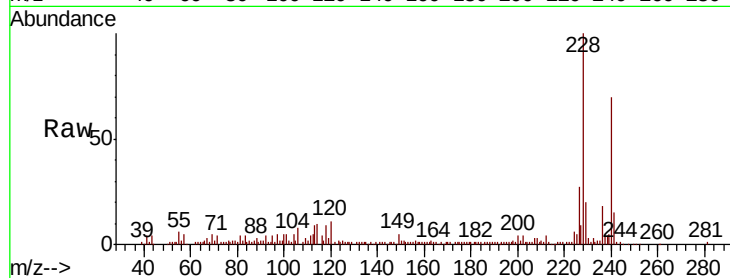
Tot Ion:228 Resp: 94788

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 20.3 16.0 24.0



#83

Chrysene

Concen: 3.733 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF119082.D

Acq: 25 Feb 2020 23:42

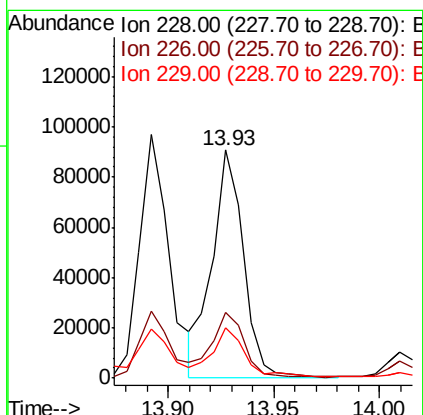
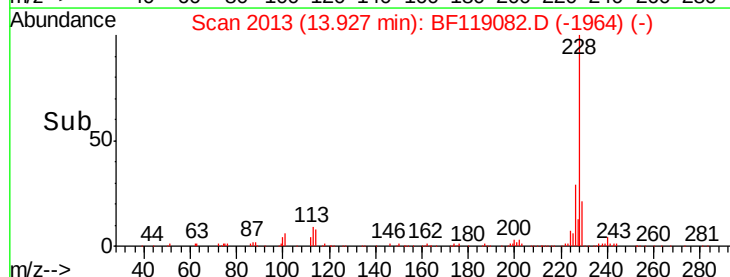
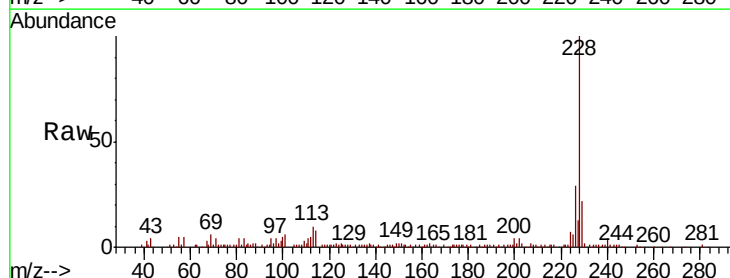
Tgt Ion:228 Resp: 93948

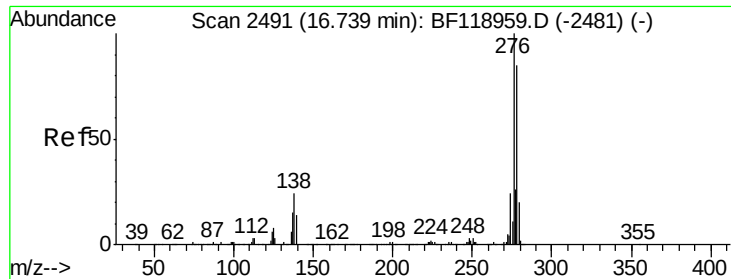
Ion Ratio Lower Upper

228 100

226 28.9 24.6 37.0

229 21.9 16.2 24.2

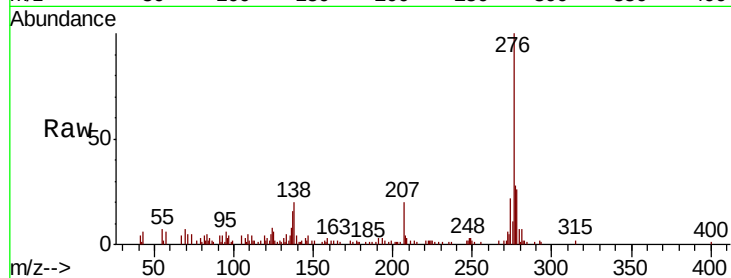




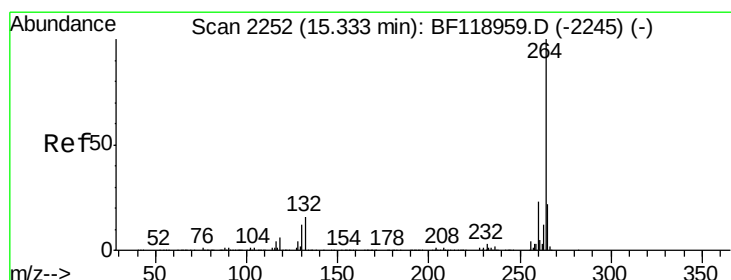
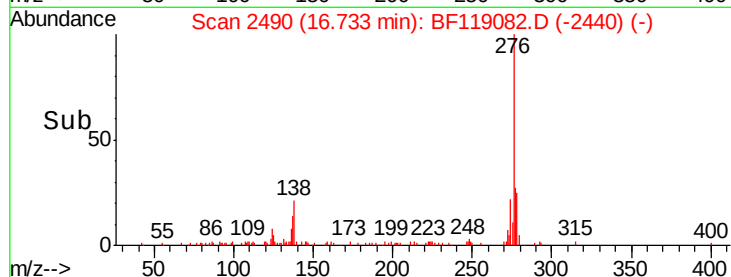
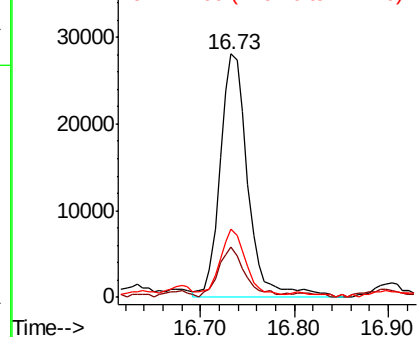
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.398 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.7	28.1
277	26.5	20.3	30.5

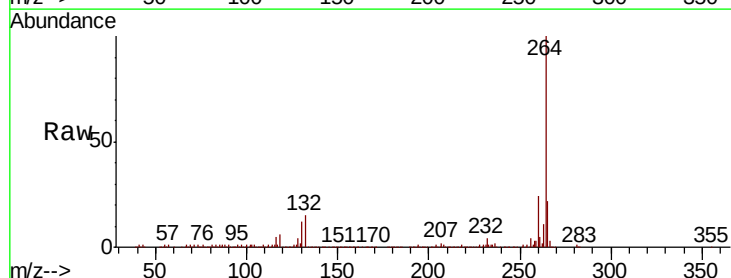


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

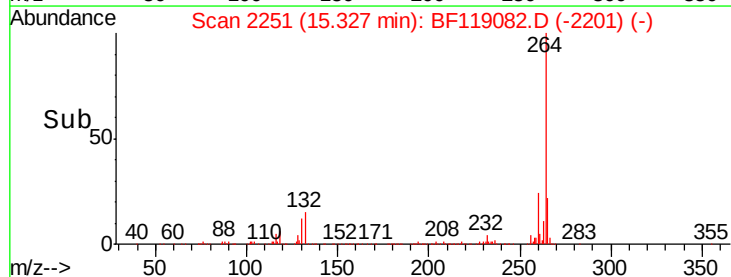
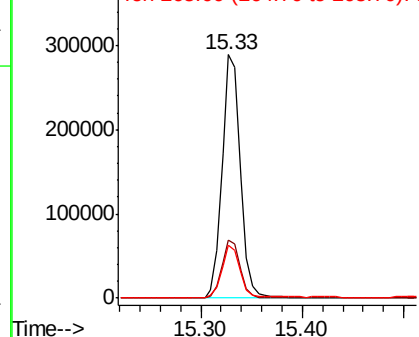


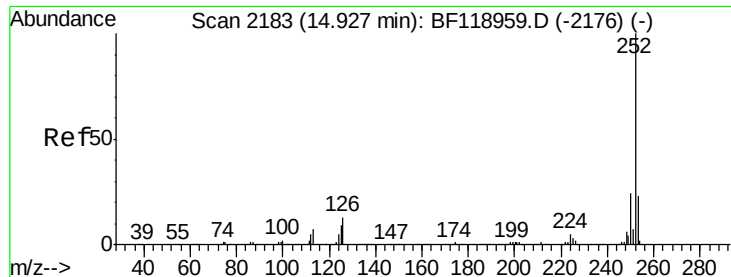
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.9	17.3	25.9



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

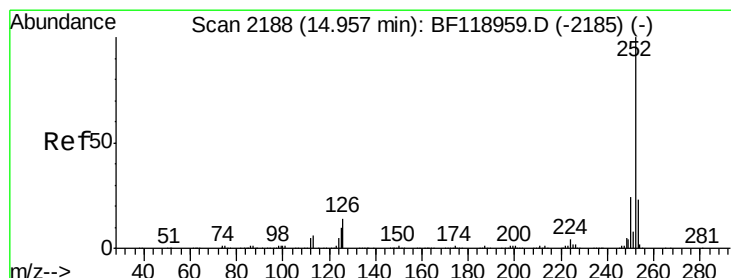
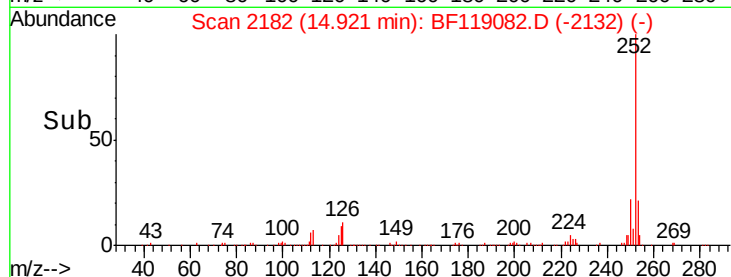
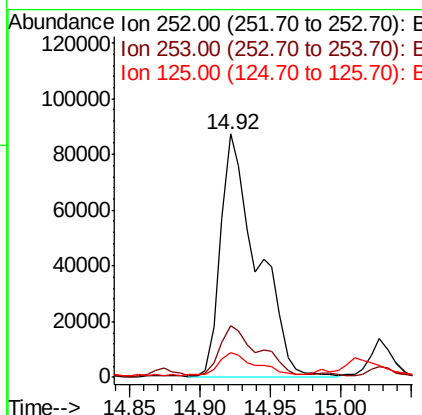
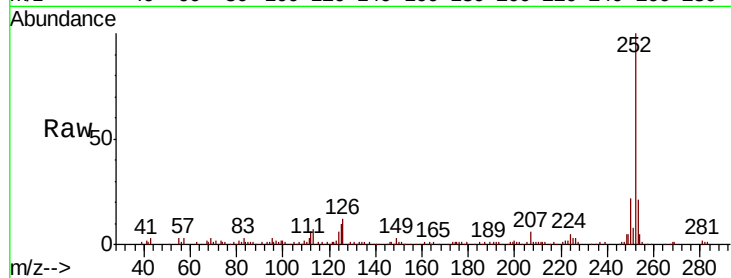




#88
Benzo(b)fluoranthene
Concen: 6.672 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

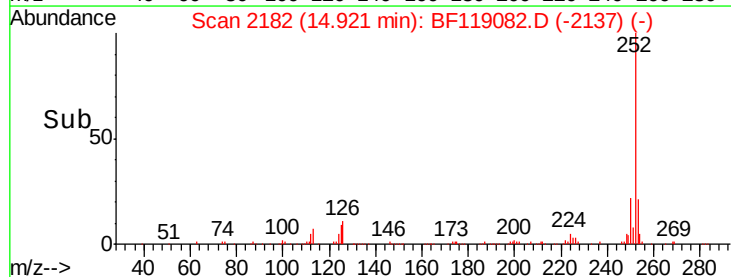
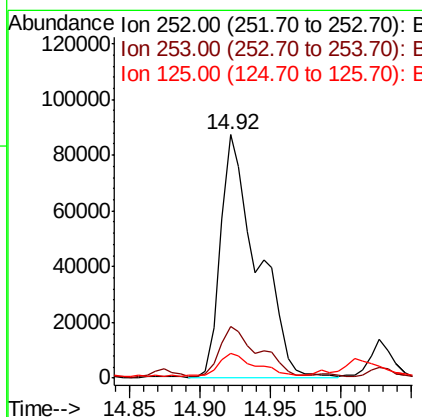
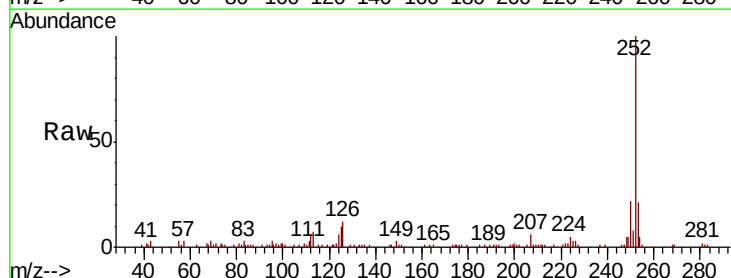
Instrument :
BNA_F
ClientSampled :

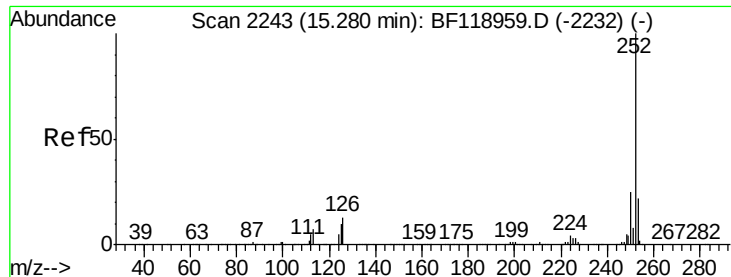
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.2
125	9.9	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 7.200 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.9	26.9
125	9.9	7.3	10.9

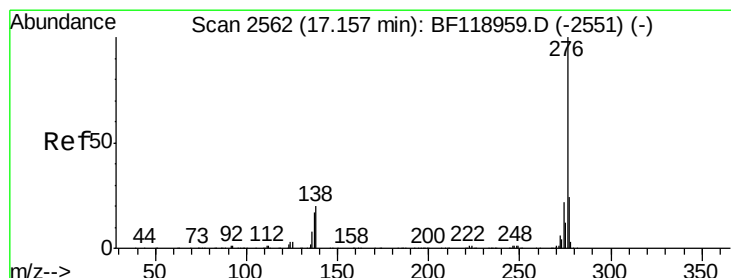
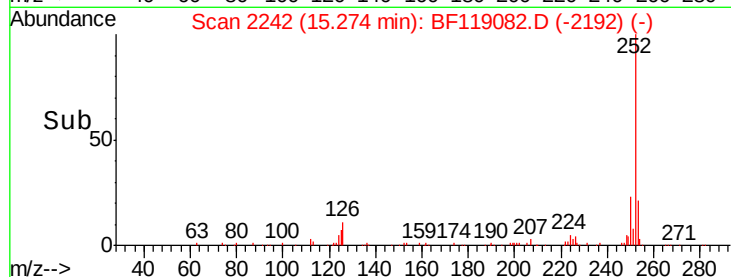
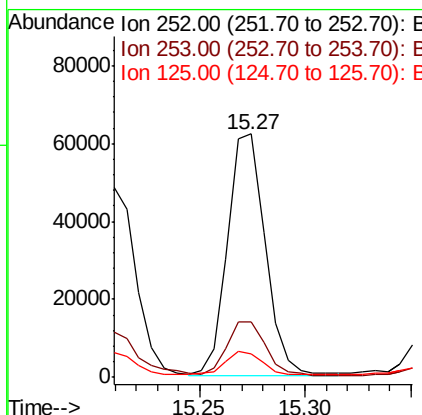
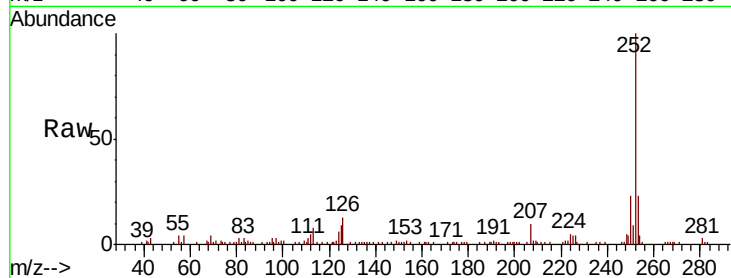




#90
Benzo(a)pyrene
Concen: 3.583 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 77286
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 9.4 7.8 11.6



#92
Benzo(g,h,i)perylene
Concen: 2.901 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.00 min
Lab File: BF119082.D
Acq: 25 Feb 2020 23:42

Tgt Ion:276 Resp: 54389
Ion Ratio Lower Upper
276 100
277 27.1 19.2 28.8
138 19.7 16.2 24.4

