

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022120\
 Data File : BF118993.D
 Acq On : 21 Feb 2020 15:23
 Operator : CG/JU
 Sample : L1551-03RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 16:00:40 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	164592	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	600841	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	282334	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	444538	20.00	ng	0.00
76) Chrysene-d12	13.90	240	365930	20.00	ng	0.00
87) Perylene-d12	15.34	264	386879	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	110380	11.21	ng	0.00
7) Phenol-d6	6.39	99	420316	35.09	ng	-0.01
23) Nitrobenzene-d5	7.31	82	315882	27.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	7801	2.11	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	624372	32.58	ng	-0.01
79) Terphenyl-d14	12.85	244	550030	25.88	ng	0.00

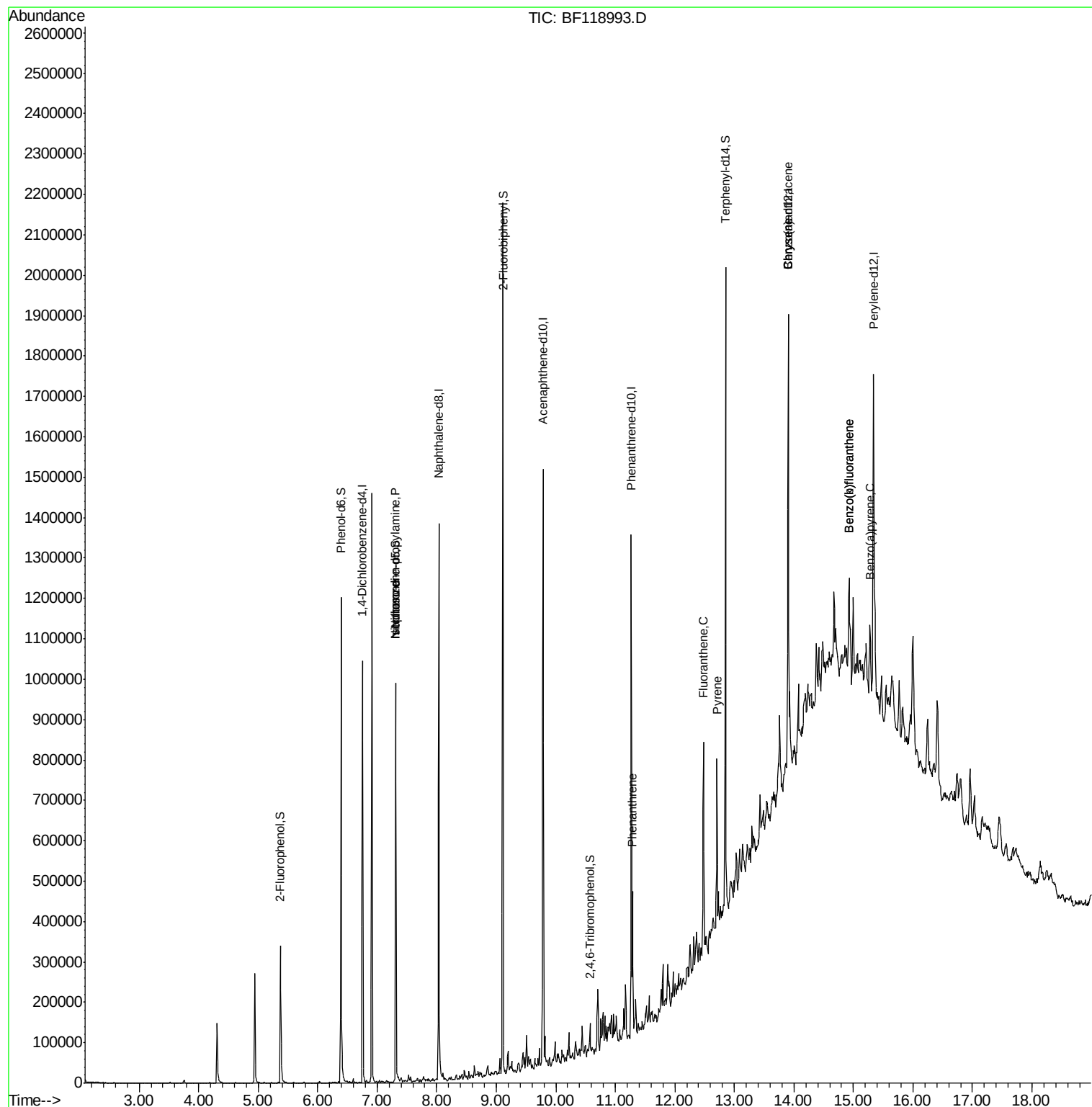
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	43098	6.175	ng	# 78
25) Isophorone	7.31	82	315879	15.983	ng	# 63
71) Phenanthrene	11.29	178	126193	5.205	ng	99
75) Fluoranthene	12.48	202	199308	7.745	ng	98
78) Pyrene	12.71	202	177577	6.043	ng	99
81) Benzo(a)anthracene	13.90	228	85705	3.437	ng	94
83) Chrysene	13.90	228	85705	3.450	ng	98
88) Benzo(b)fluoranthene	14.93	252	138400	5.427	ng	# 87
89) Benzo(k)fluoranthene	14.93	252	138400	5.856	ng	# 86
90) Benzo(a)pyrene	15.27	252	71561	3.109	ng	# 84

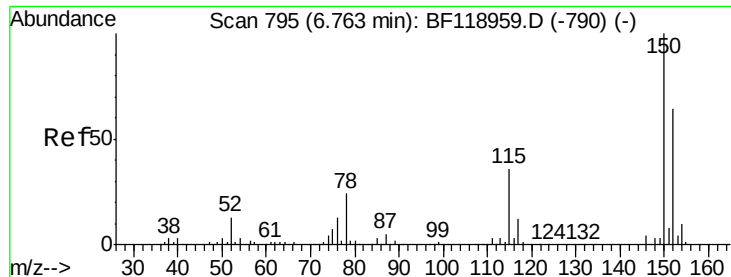
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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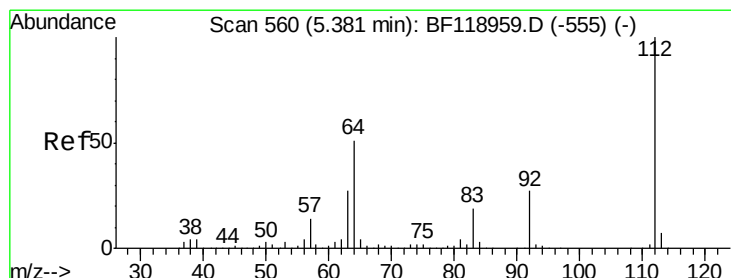
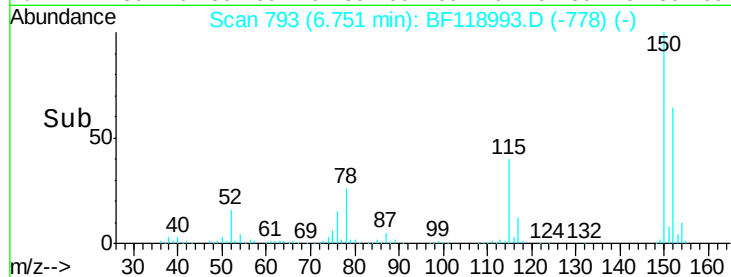
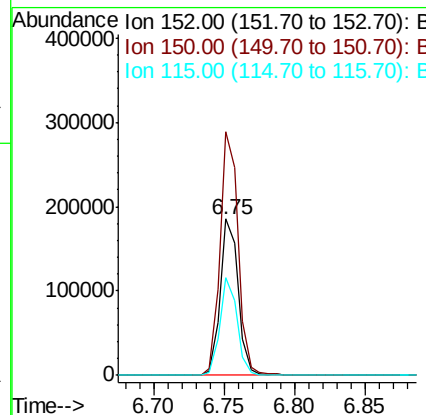
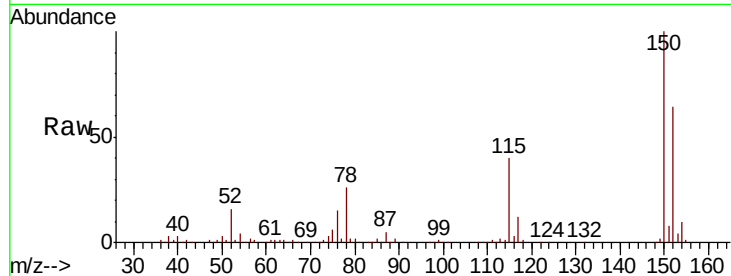


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF118993.D
 Acq: 21 Feb 2020 15:23

Instrument :
 BNA_F
 ClientSampleId :

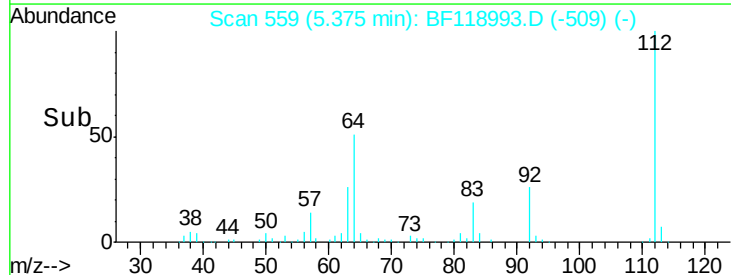
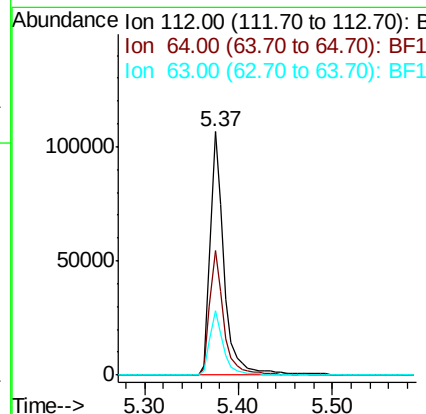
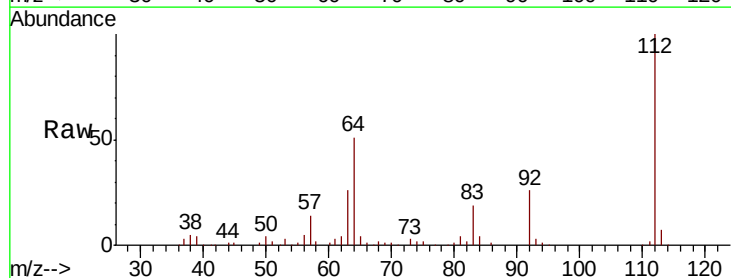
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.3	186.5
115	62.1	44.6	67.0

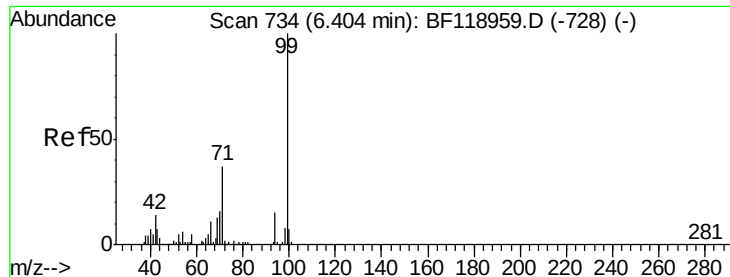


#5

2-Fluorophenol
 Concen: 11.207 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF118993.D
 Acq: 21 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	40.4	60.6
63	26.3	21.3	31.9





#7

Phenol-d6

Concen: 35.091 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Instrument :

BNA_F

ClientSampleId :

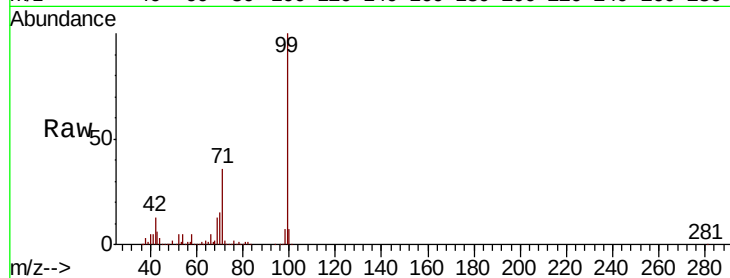
Tot Ion: 99 Resp: 420316

Ion Ratio Lower Upper

99 100

42 13.1 11.4 17.0

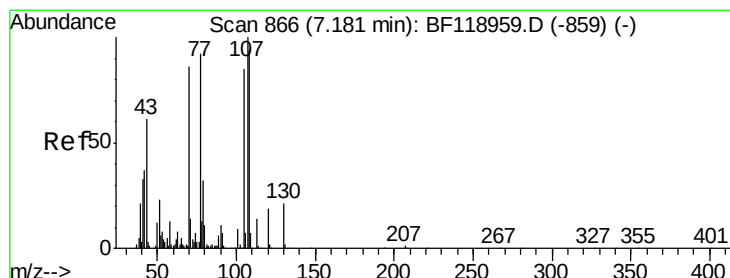
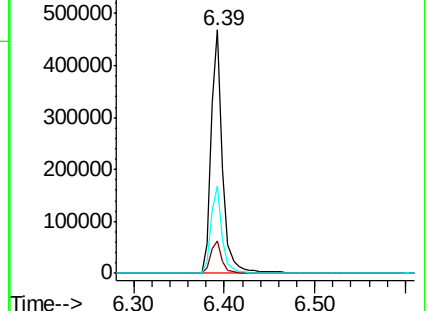
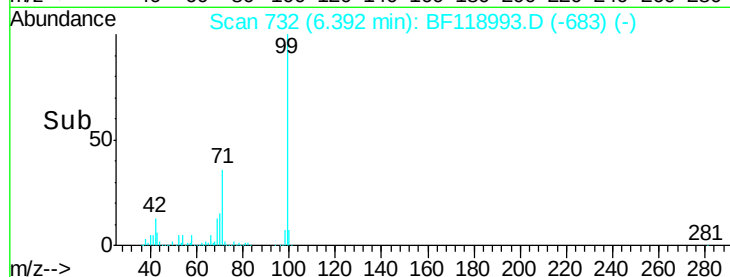
71 35.8 29.8 44.6



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.175 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Tgt Ion: 70 Resp: 43098

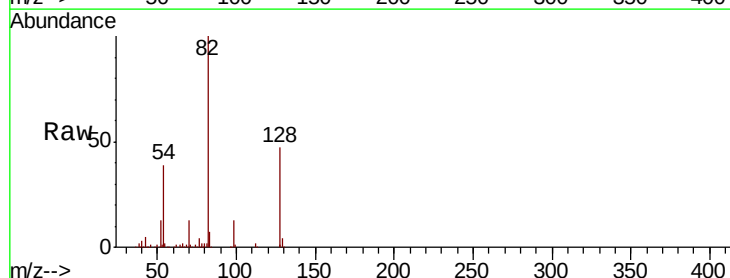
Ion Ratio Lower Upper

70 100

42 38.1 34.6 51.8

101 0.0 8.1 12.1#

130 2.3 19.4 29.2#

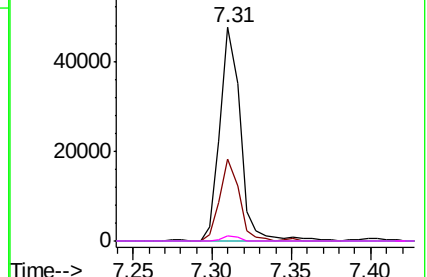
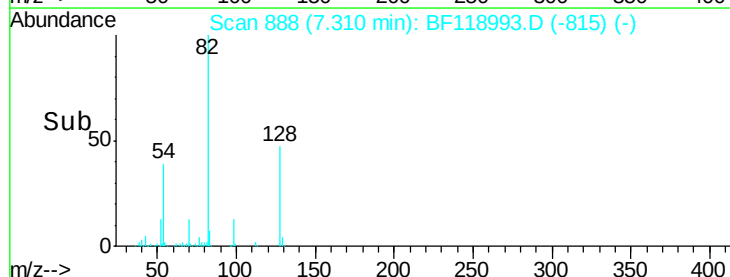


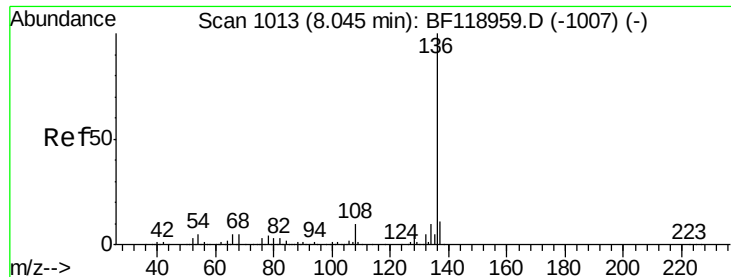
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

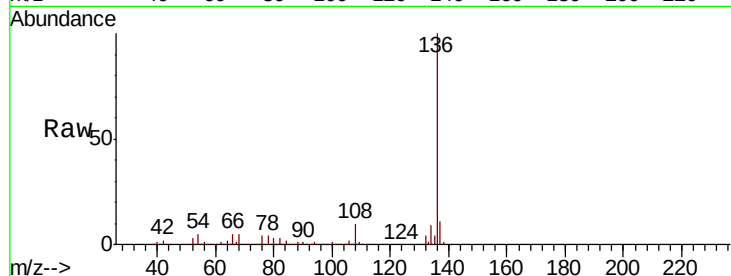




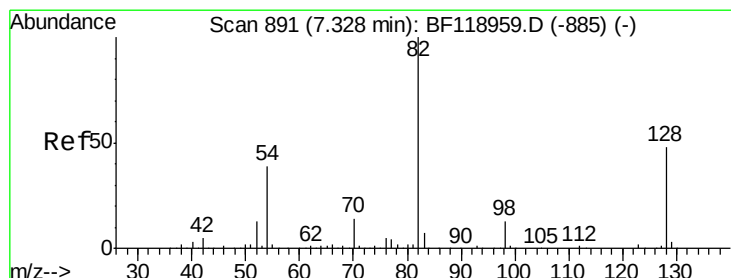
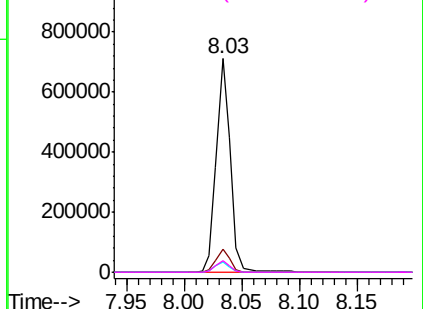
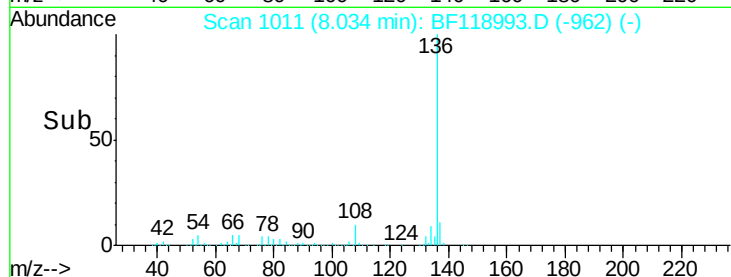
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	600841
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.9 13.3
54	5.0	3.8 5.6
68	5.5	4.2 6.2

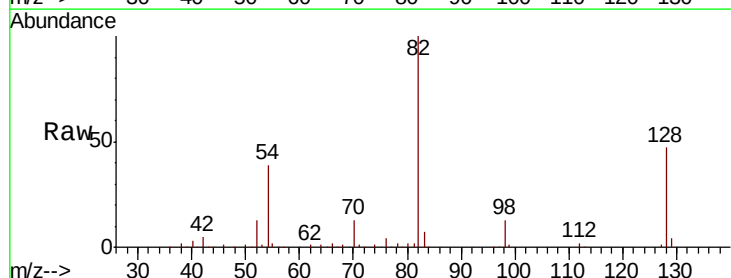


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

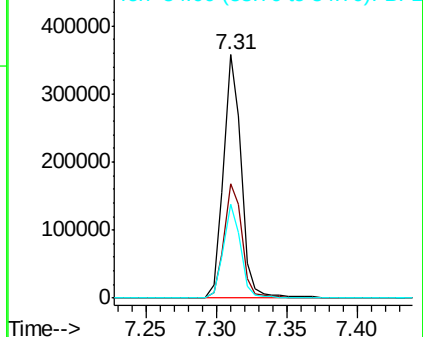
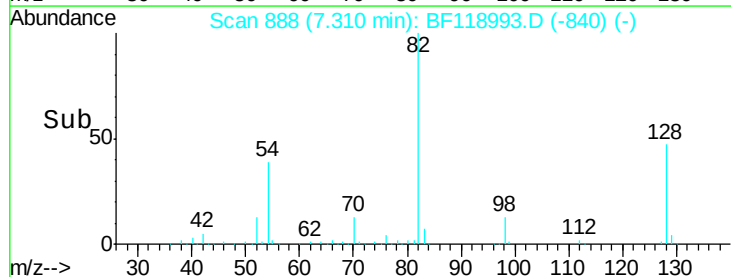


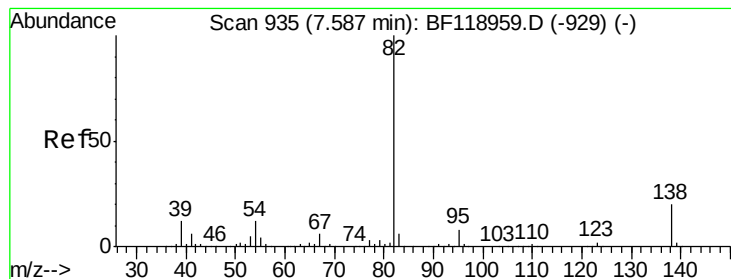
#23
Nitrobenzene-d5
Concen: 27.759 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

Tgt Ion: 82	Resp:	315882
Ion Ratio	Lower	Upper
82	100	
128	46.9	38.2 57.2
54	38.7	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: 15.983 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Instrument :

BNA_F

ClientSampled :

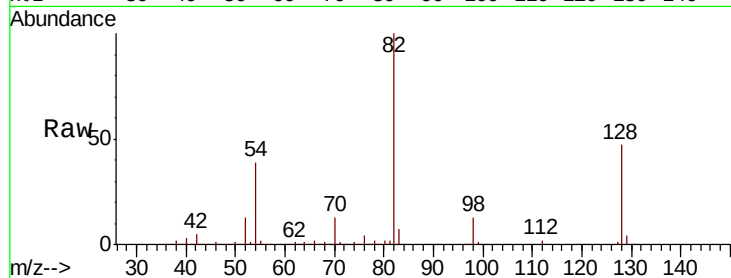
Tot Ion: 82 Resp: 315879

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

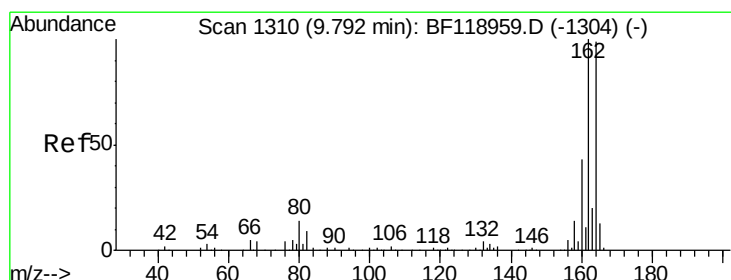
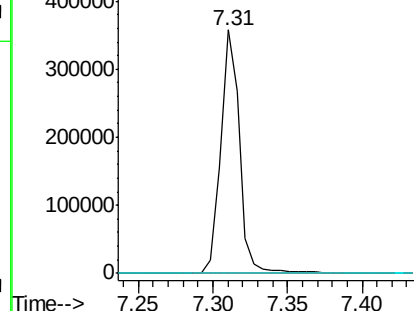
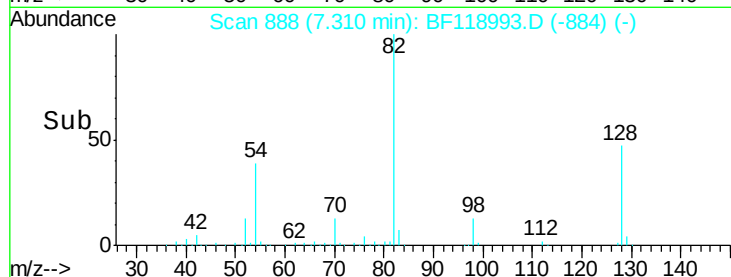
138 0.0 15.8 23.6#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

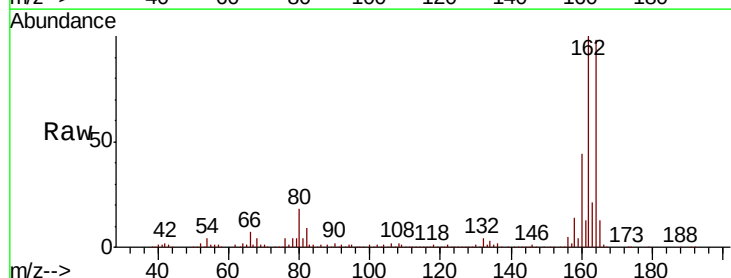
Tgt Ion: 164 Resp: 282334

Ion Ratio Lower Upper

164 100

162 102.4 81.2 121.8

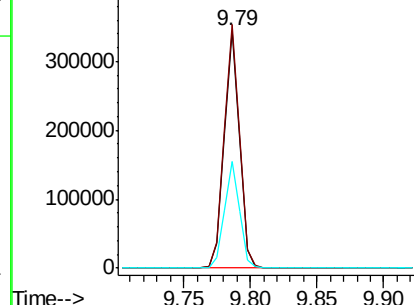
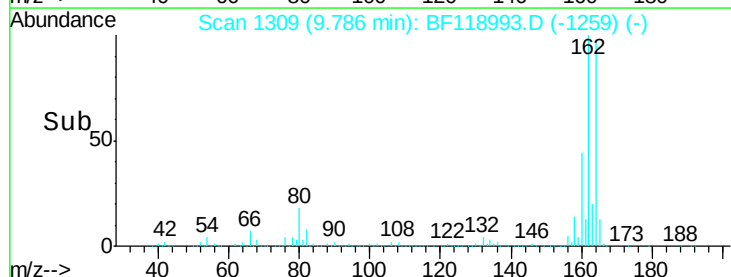
160 44.9 35.2 52.8

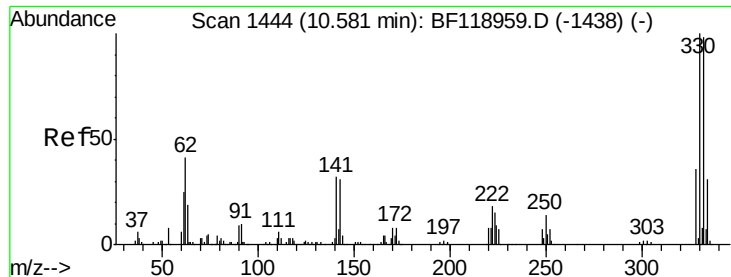


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 2.112 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Instrument :

BNA_F

ClientSampleId :

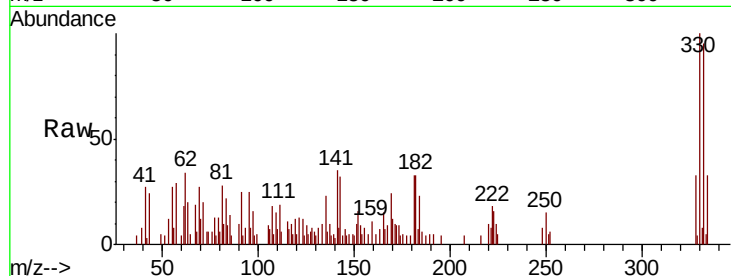
Tot Ion:330 Resp: 7801

Ion Ratio Lower Upper

330 100

332 98.8 77.1 115.7

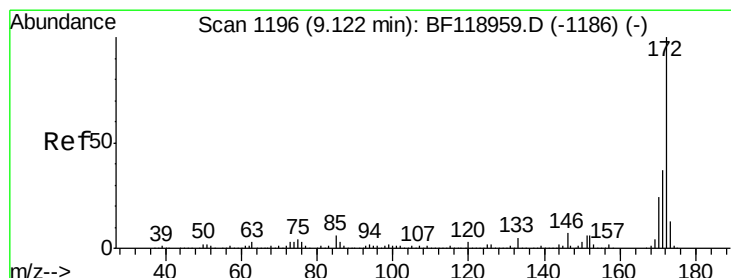
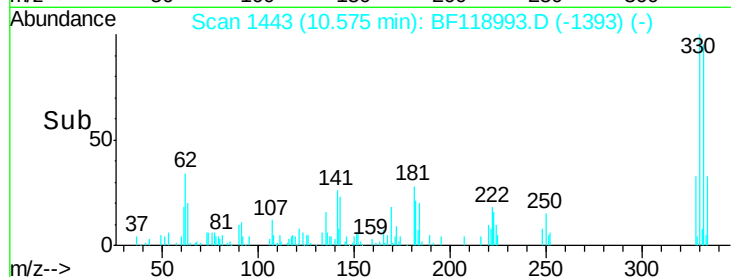
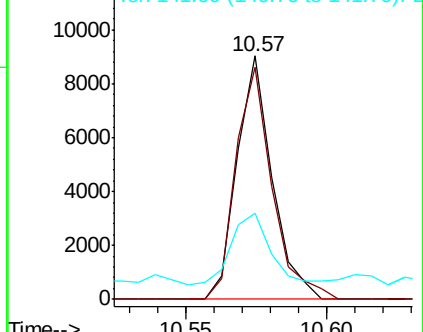
141 33.3 23.0 34.6



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: 32.579 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

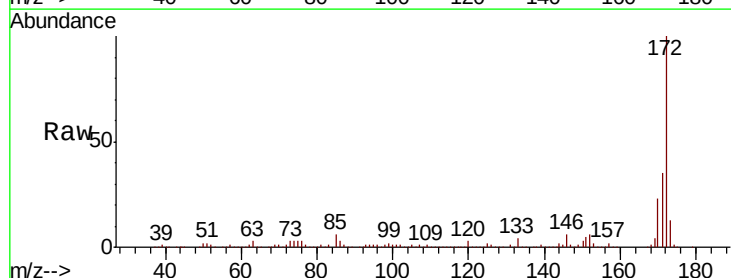
Tgt Ion:172 Resp: 624372

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.2

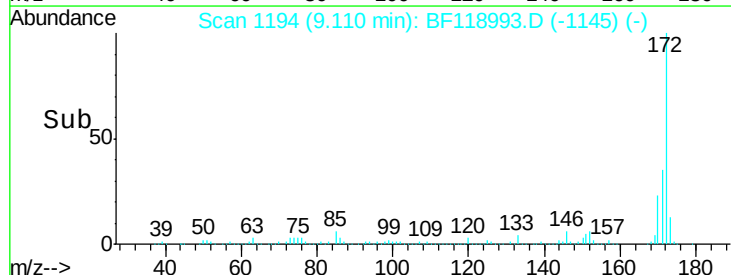
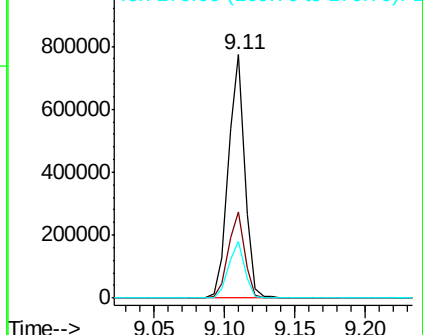
170 23.4 19.6 29.4

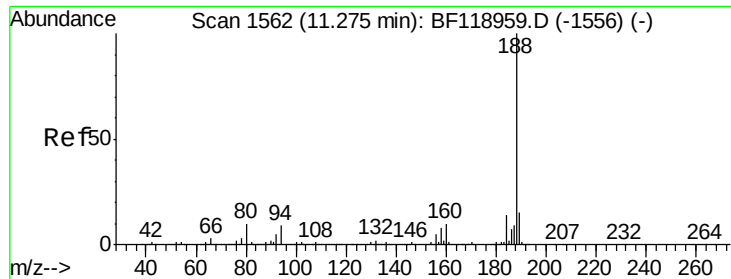


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Instrument :

BNA_F

ClientSampleId :

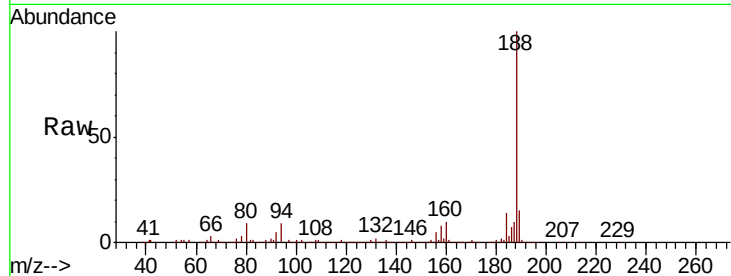
Tot Ion:188 Resp: 444538

Ion Ratio Lower Upper

188 100

94 8.8 7.0 10.6

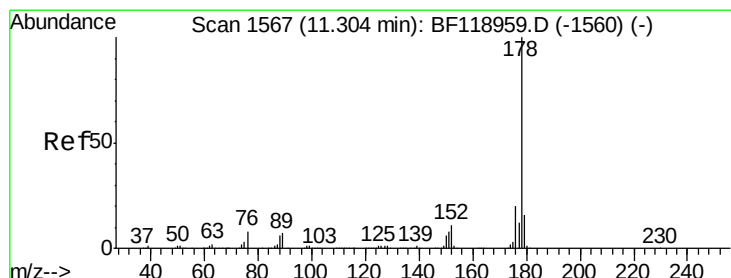
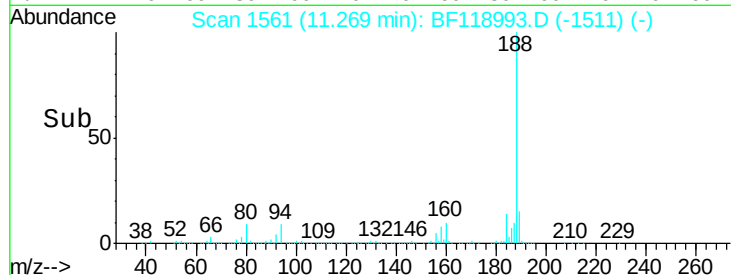
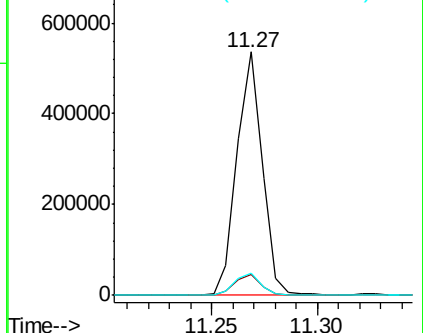
80 9.2 7.9 11.9



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: 5.205 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

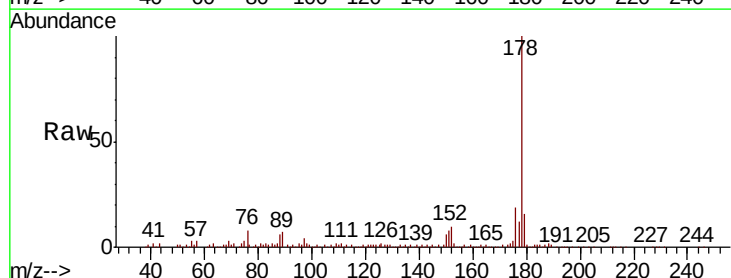
Tgt Ion:178 Resp: 126193

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

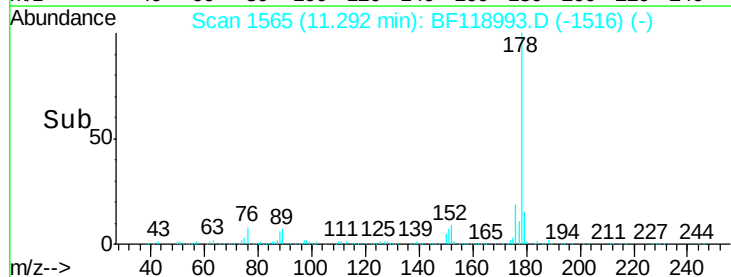
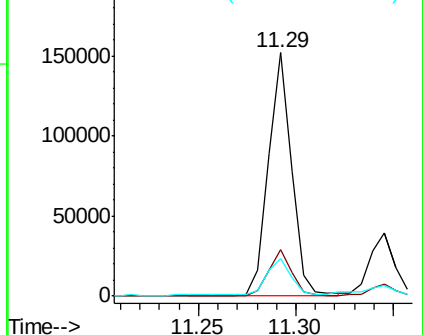
179 15.6 12.6 18.8

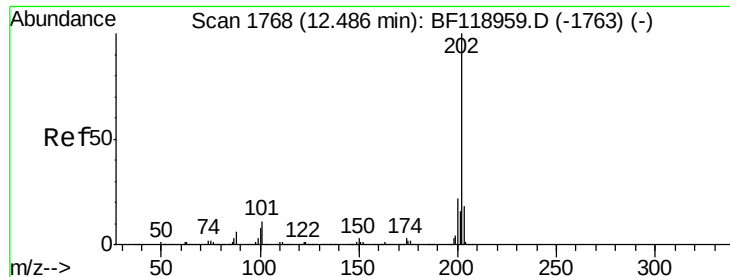


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.745 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Instrument :

BNA_F

ClientSampleId :

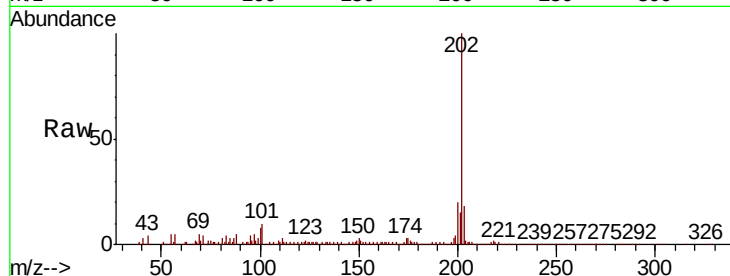
Tot Ion:202 Resp: 199308

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.1

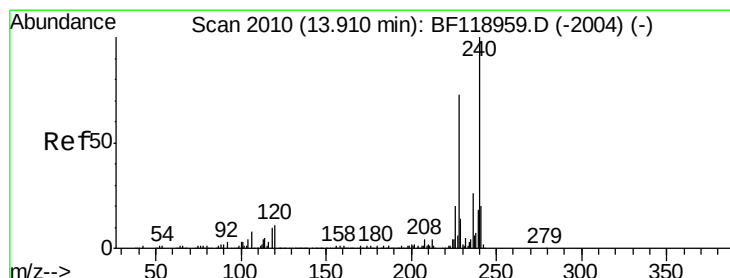
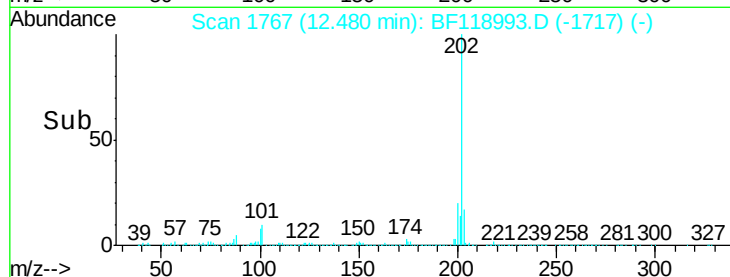
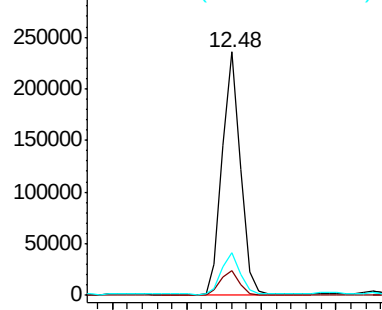
203 17.7 0.0 38.1



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: BF118993.D

Acq: 21 Feb 2020 15:23

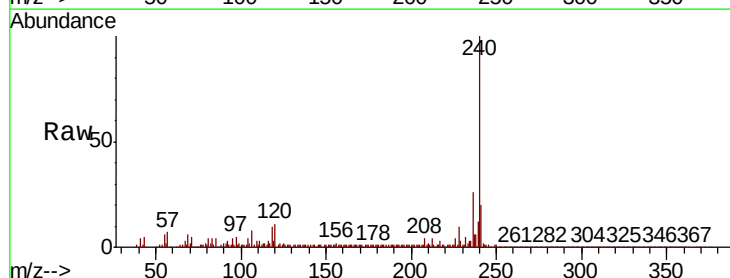
Tgt Ion:240 Resp: 365930

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

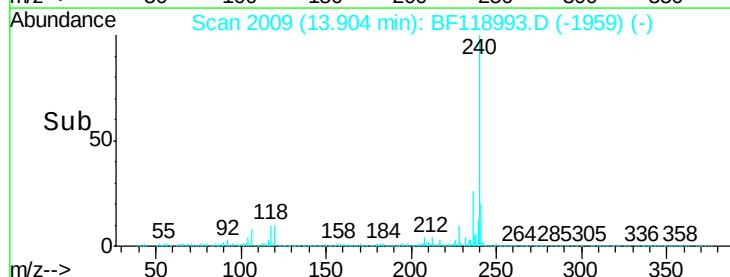
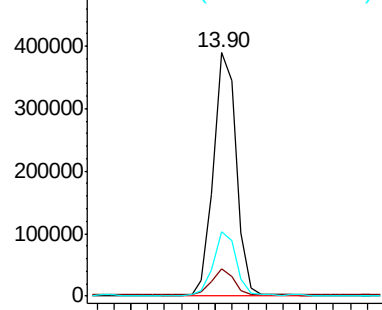
236 26.3 20.6 30.8

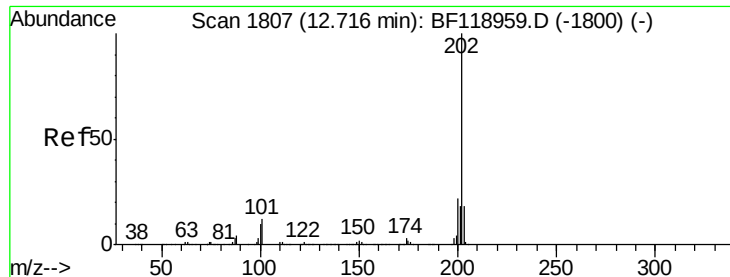


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

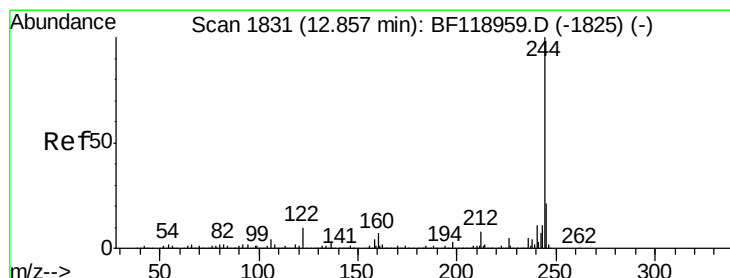
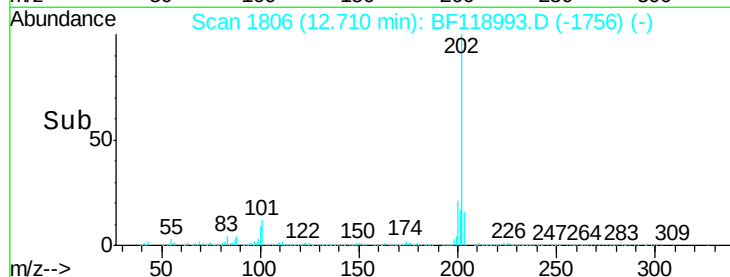
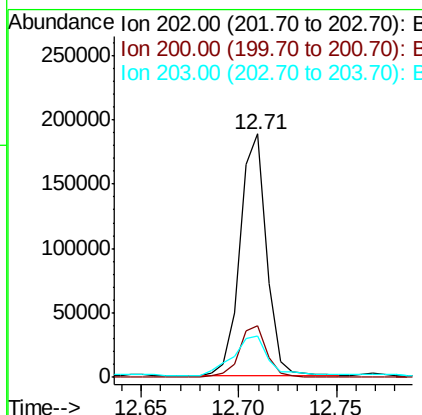
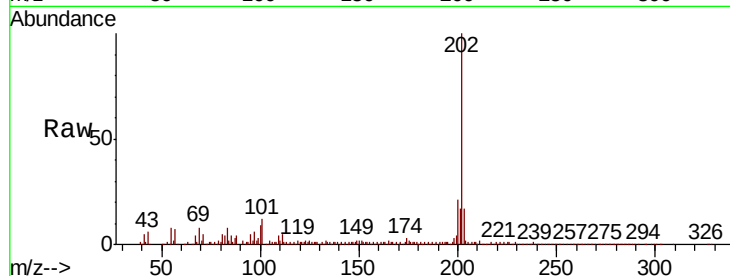




#78
Pvrene
Concen: 6.043 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

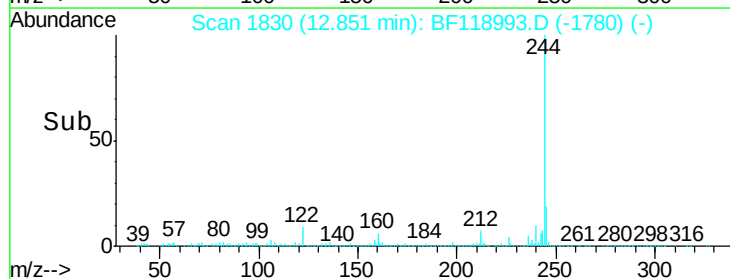
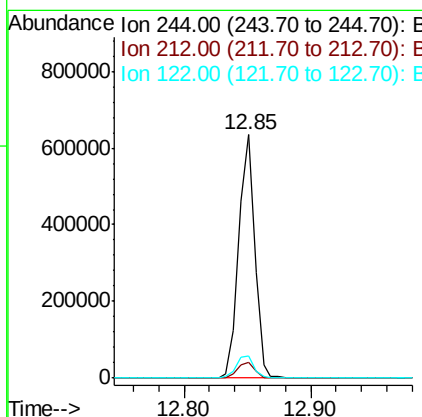
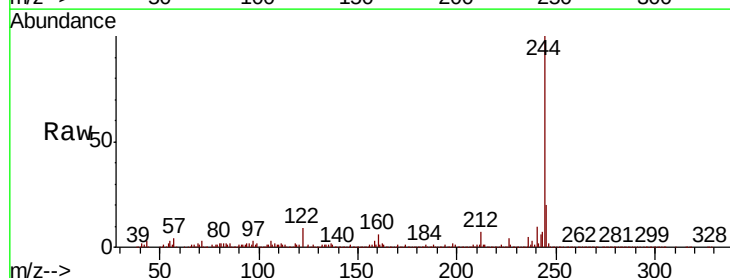
Instrument :
BNA_F
ClientSampleId :

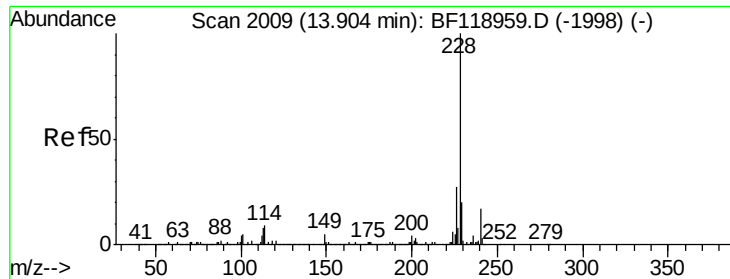
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.2	14.5	21.7



#79
Terphenyl-d14
Concen: 25.879 ng
RT: 12.85 min Scan# 1830
Delta R.T. -0.01 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.3	9.5
122	9.2	8.4	12.6

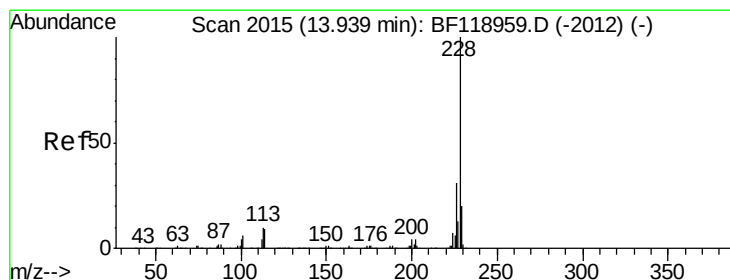
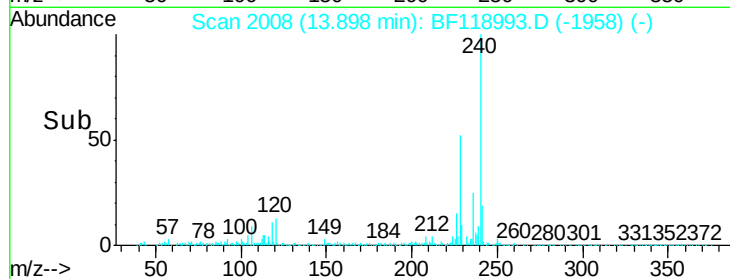
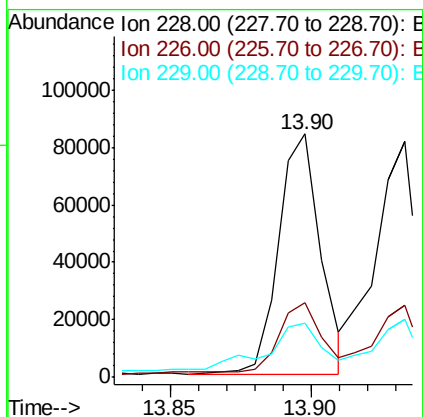
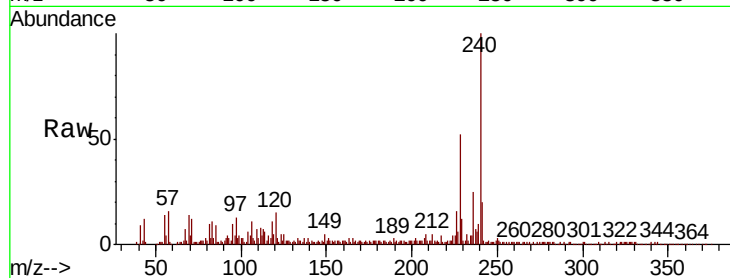




#81
Benzo(a)anthracene
Concen: 3.437 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

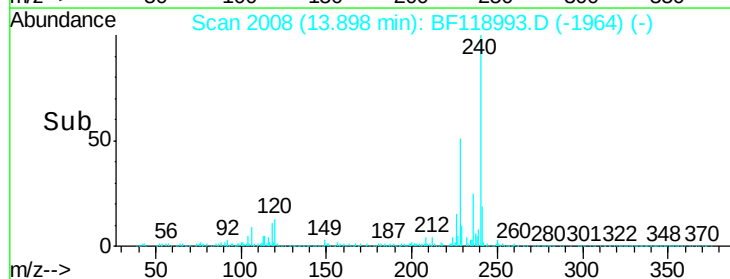
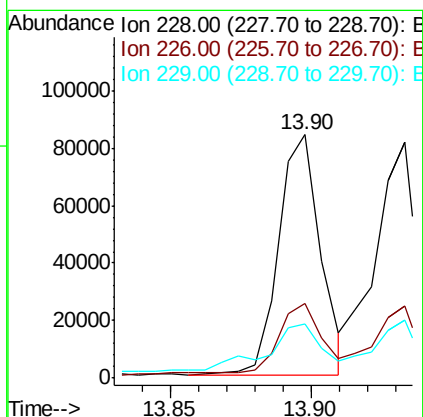
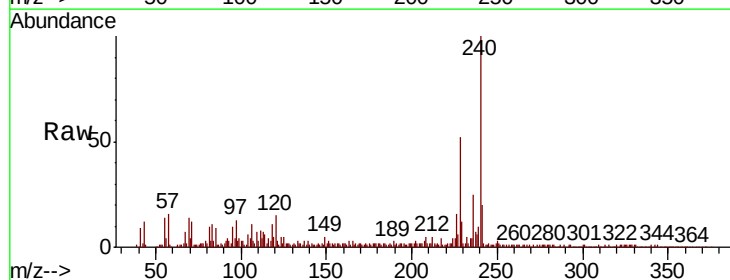
Instrument :
BNA_F
ClientSampleId :

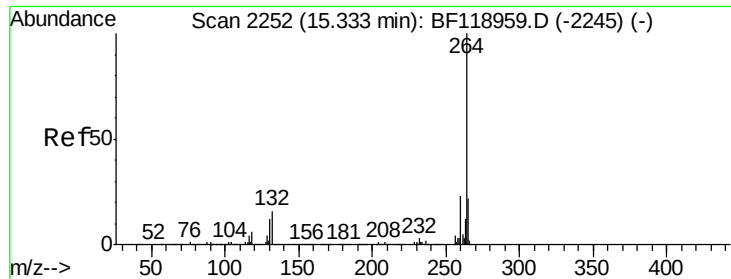
Tot Ion:228 Resp: 85705
Ion Ratio Lower Upper
228 100
226 30.6 21.8 32.8
229 22.2 16.0 24.0



#83
Chrysene
Concen: 3.450 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.04 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

Tgt Ion:228 Resp: 85705
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 22.2 16.2 24.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.01 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

Instrument :

BNA_F

ClientSampleId :

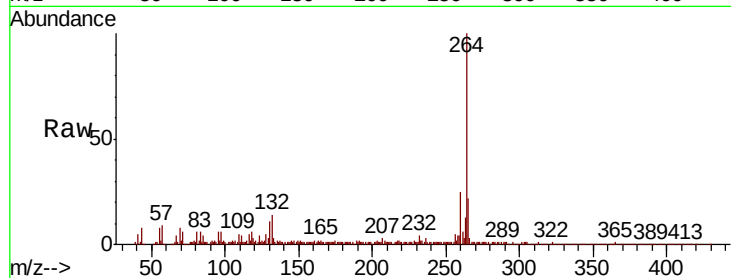
Tot Ion:264 Resp: 386879

Ion Ratio Lower Upper

264 100

260 24.5 18.6 28.0

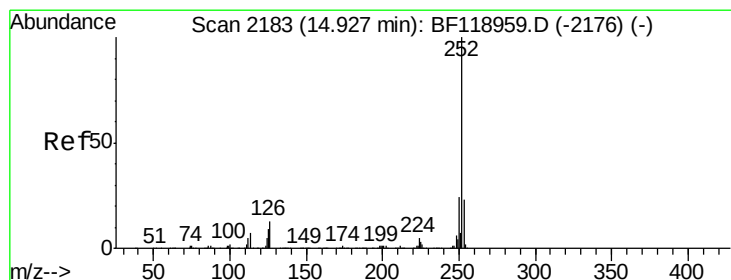
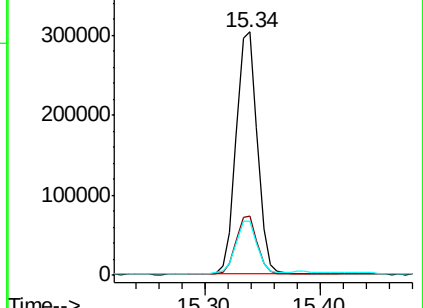
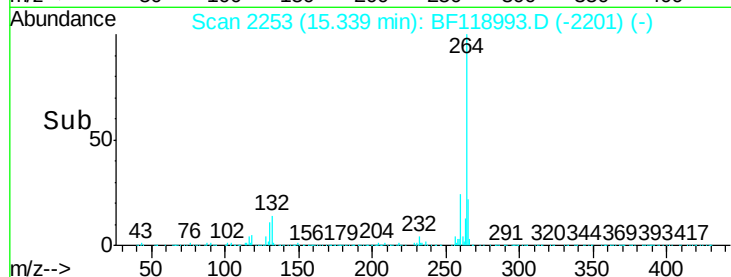
265 22.4 17.3 25.9



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: 5.427 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BF118993.D

Acq: 21 Feb 2020 15:23

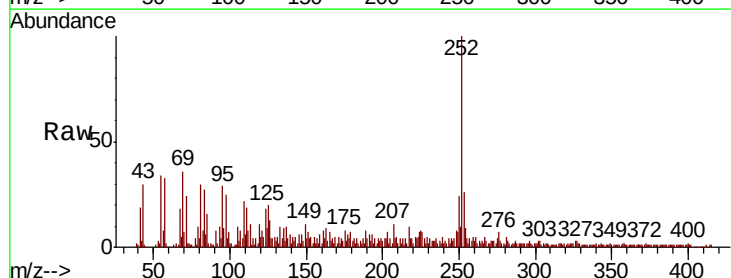
Tgt Ion:252 Resp: 138400

Ion Ratio Lower Upper

252 100

253 26.0 18.2 27.2

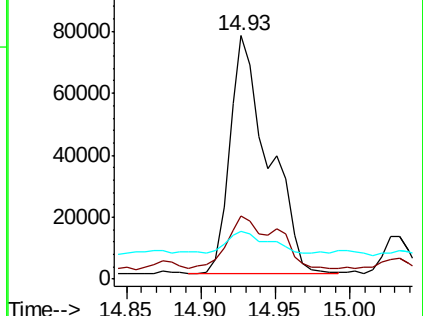
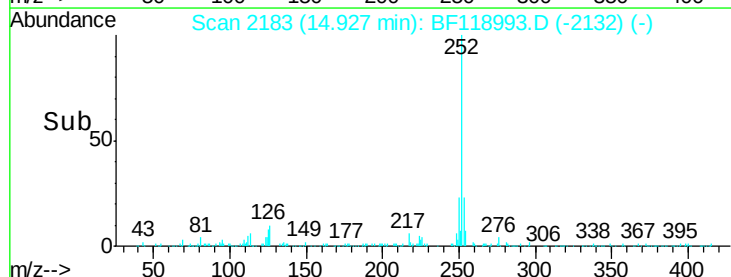
125 19.7 7.4 11.0#

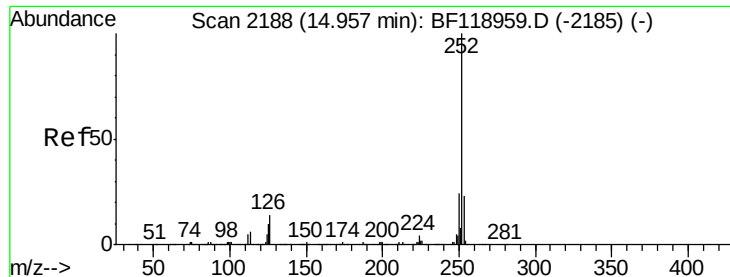


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

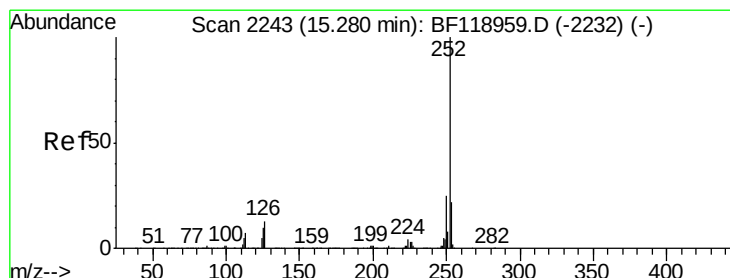
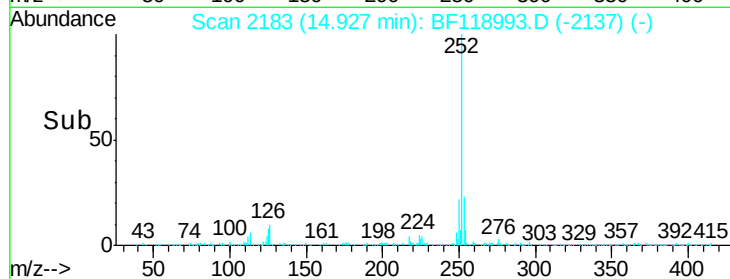
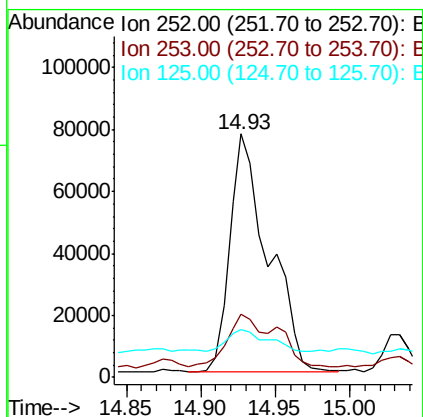
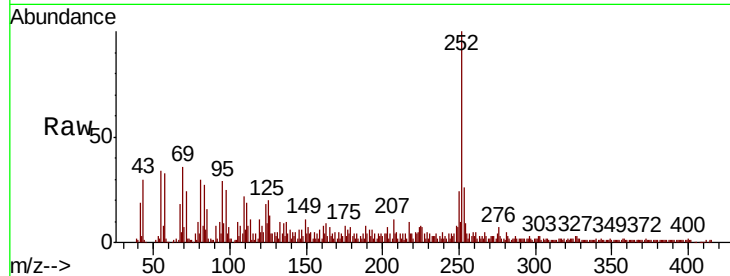




#89
Benzo(k)fluoranthene
Concen: 5.856 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.03 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	19.7	7.3	10.9



#90
Benzo(a)pyrene
Concen: 3.109 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF118993.D
Acq: 21 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	21.3	7.8	11.6

