

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022820\
 Data File : BF119143.D
 Acq On : 28 Feb 2020 21:22
 Operator : CG/JU
 Sample : L1718-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 02:40:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123191	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	472778	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	268729	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	507425	20.00	ng	-0.02
76) Chrysene-d12	13.88	240	334795	20.00	ng	-0.02
87) Perylene-d12	15.30	264	359429	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	594097	80.59	ng	-0.01
7) Phenol-d6	6.38	99	717627	80.05	ng	-0.02
23) Nitrobenzene-d5	7.29	82	455087	50.82	ng	-0.03
42) 2,4,6-Tribromophenol	10.56	330	243564	69.28	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	734770	40.28	ng	-0.02
79) Terphenyl-d14	12.83	244	1014586	52.17	ng	-0.02

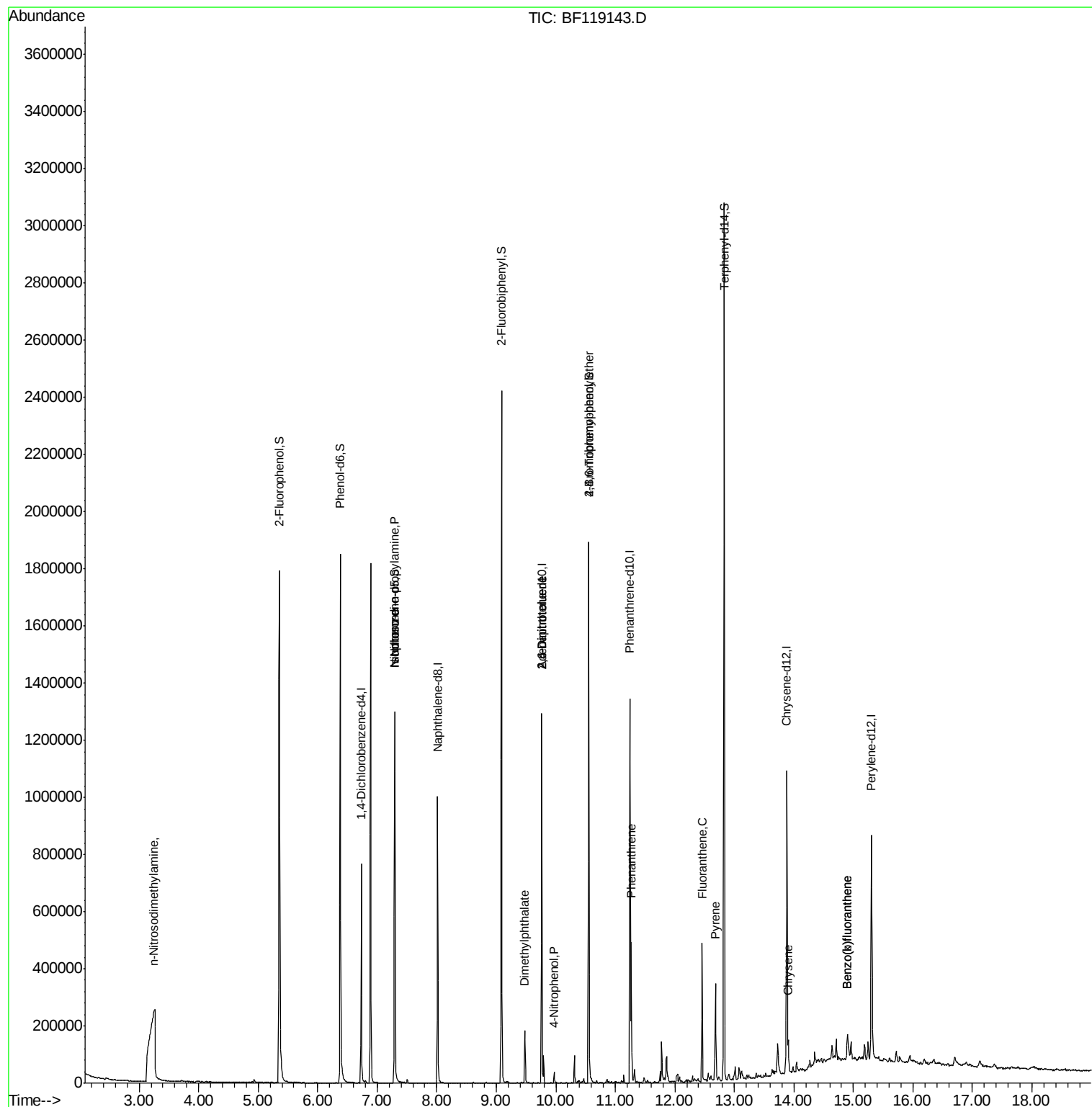
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.25	42	44302	16.316	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	60234	11.530	ng	# 76
25) Isophorone	7.29	82	454903	29.253	ng	# 63
50) Dimethylphthalate	9.48	163	79303	3.859	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	34300	7.513	ng	# 32
56) 4-Nitrophenol	9.97	139	6652	2.187	ng	# 9
57) 2,4-Dinitrotoluene	9.76	165	34300	5.796	ng	# 20
67) 4-Bromophenyl-phenylether	10.55	248	16223	2.446	ng	# 1
71) Phenanthrene	11.27	178	182174	6.583	ng	# 96
75) Fluoranthene	12.46	202	184296	6.274	ng	# 98
78) Pyrene	12.69	202	135862	5.054	ng	# 98
83) Chrysene	13.91	228	46745	2.057	ng	# 96
88) Benzo(b)fluoranthene	14.90	252	61728	2.605	ng	# 98
89) Benzo(k)fluoranthene	14.90	252	61728	2.812	ng	# 97

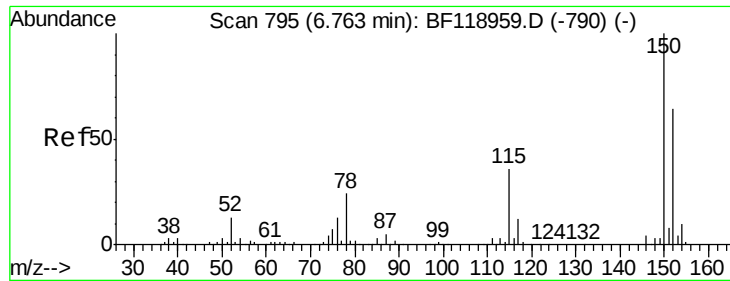
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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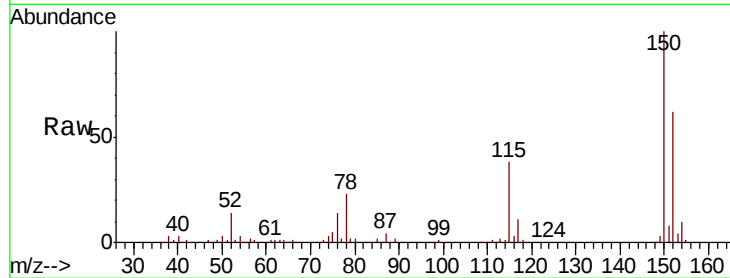


#1

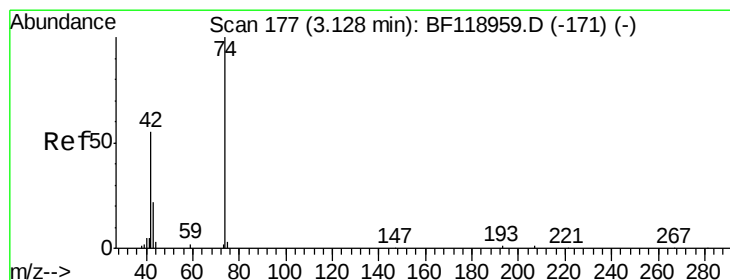
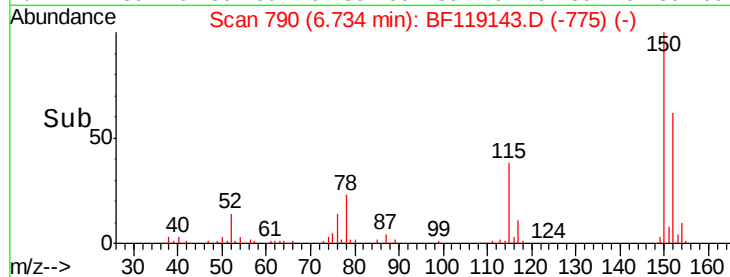
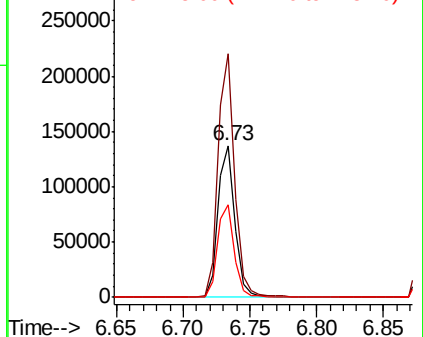
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	123.0	184.6
115	60.8	49.5	74.3



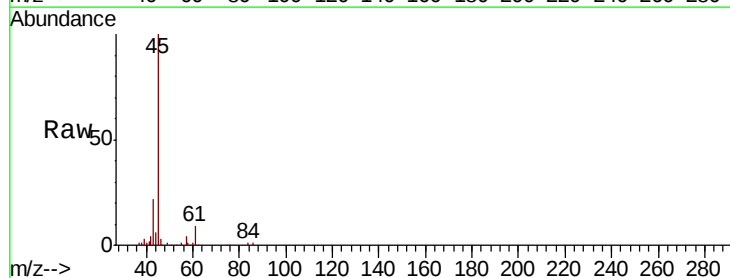
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



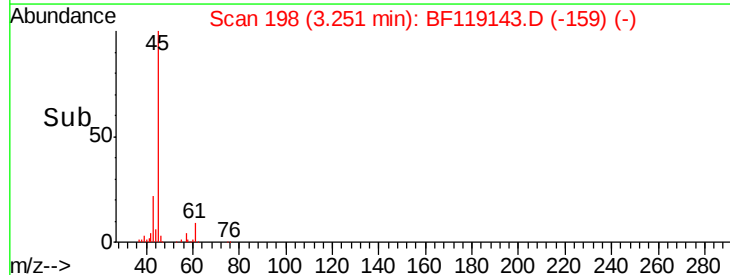
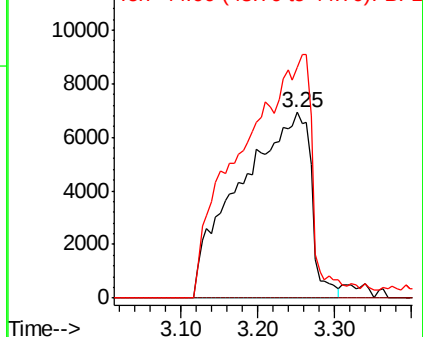
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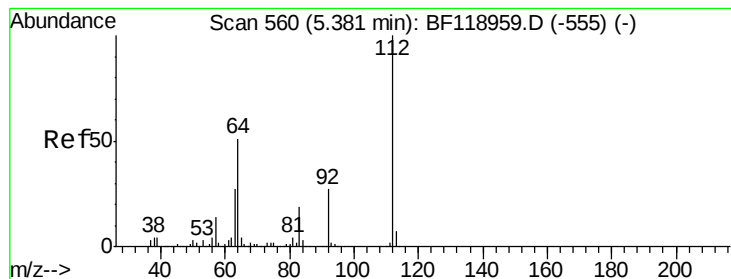
n-Nitrosodimethylamine
Concen: 16.316 ng
RT: 3.25 min Scan# 198
Delta R.T. 0.13 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	137.7	206.5#
44	124.7	4.5	6.7#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 80.594 ng

RT: 5.36 min Scan# 556

Delta R.T. -0.01 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

Instrument :

BNA_F

ClientSampleId :

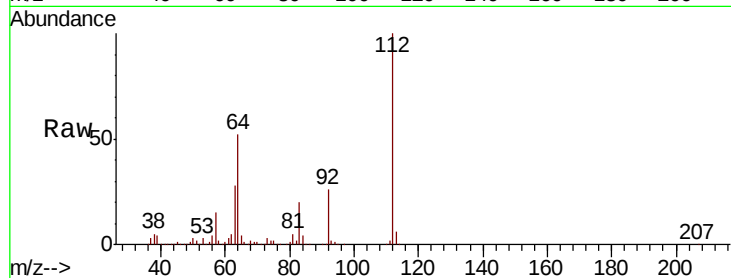
Tot Ion:112 Resp: 594097

Ion Ratio Lower Upper

112 100

64 52.4 45.0 67.4

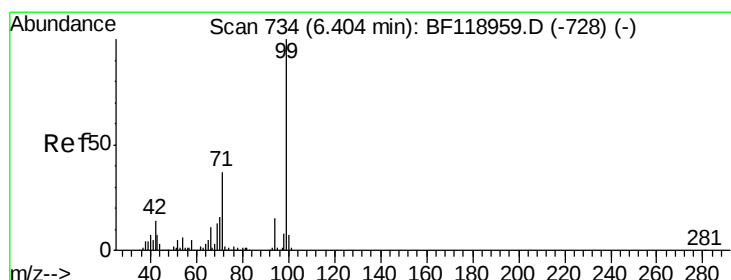
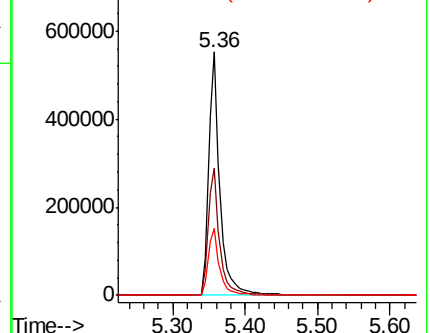
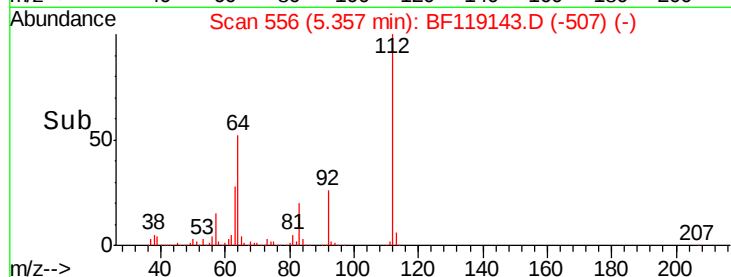
63 27.6 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 80.047 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

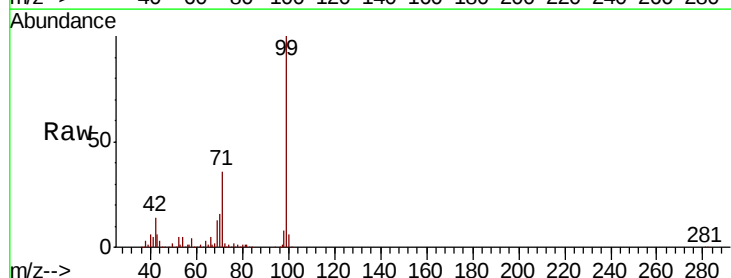
Tgt Ion: 99 Resp: 717627

Ion Ratio Lower Upper

99 100

42 13.7 12.6 18.8

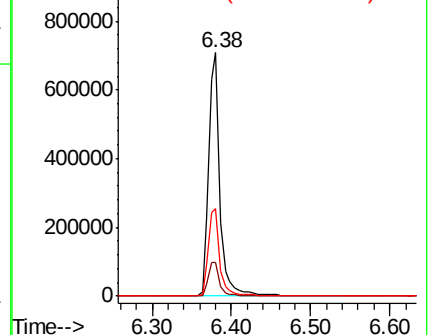
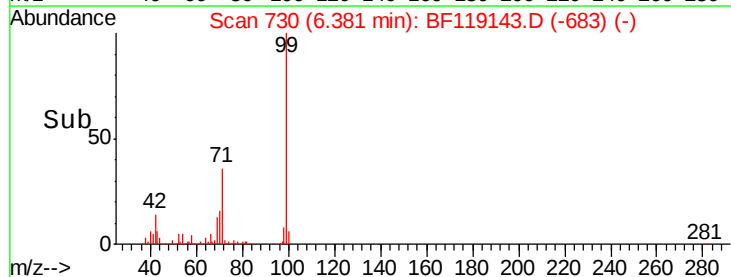
71 36.1 31.0 46.4

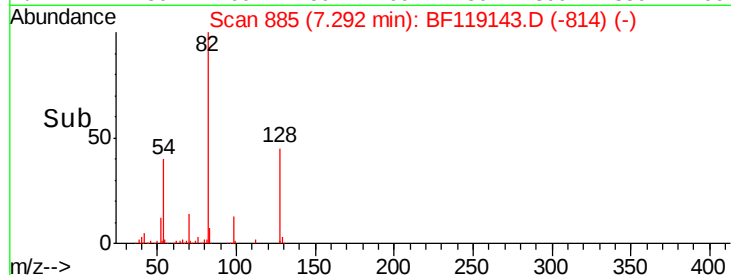
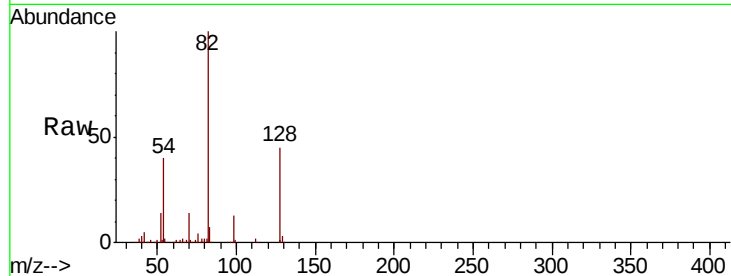


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

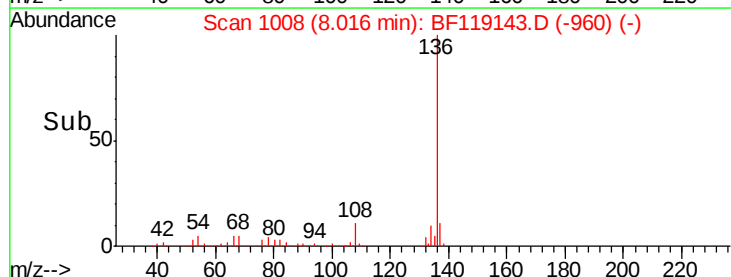
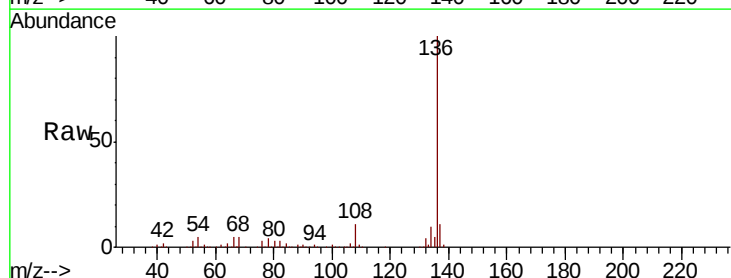
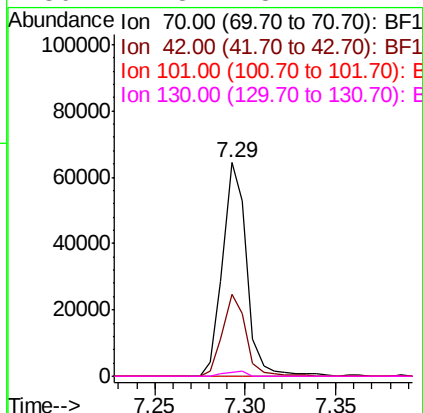




#19
n-Nitroso-di-n-propylamine
Concen: 11.530 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.12 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

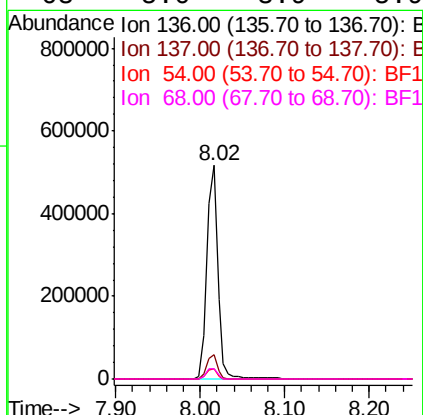
Instrument :
BNA_F
ClientSampleId :

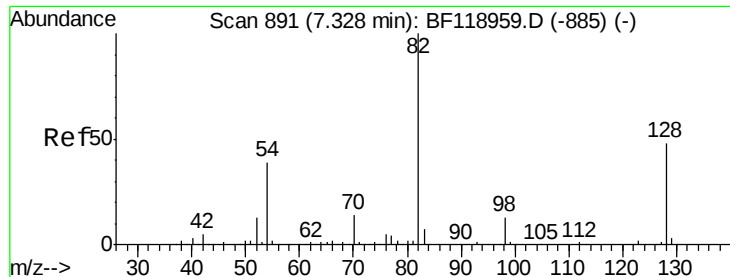
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.4	38.0	57.0
101	0.0	8.2	12.4#
130	1.8	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	4.7	3.8	5.6
68	5.0	3.9	5.9

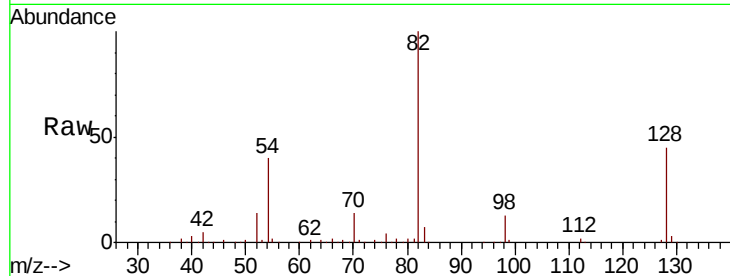




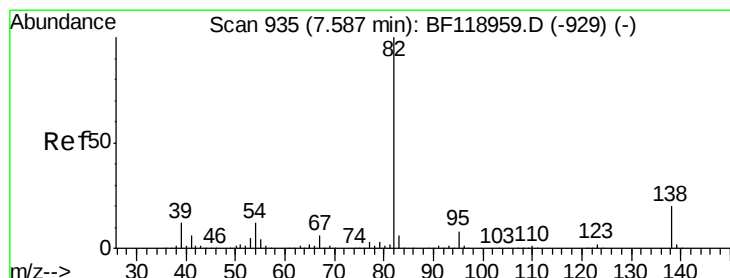
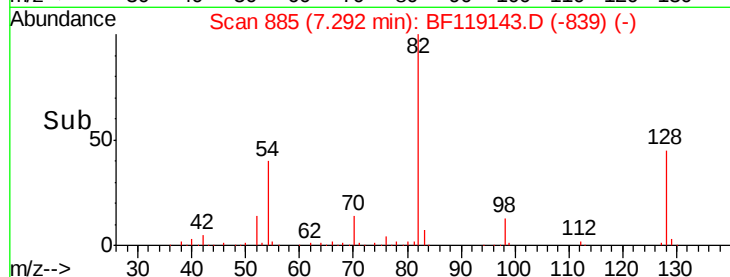
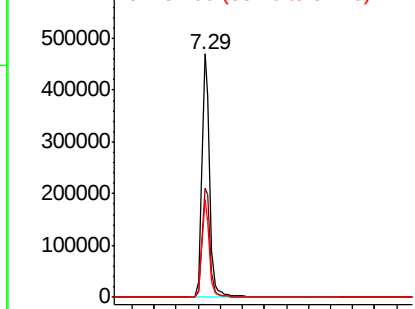
#23
Nitrobenzene-d5
Concen: 50.824 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 455087
Ion Ratio Lower Upper
82 100
128 44.9 37.9 56.9
54 40.3 33.4 50.2

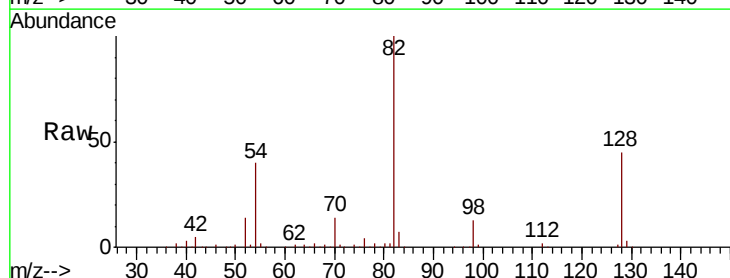


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

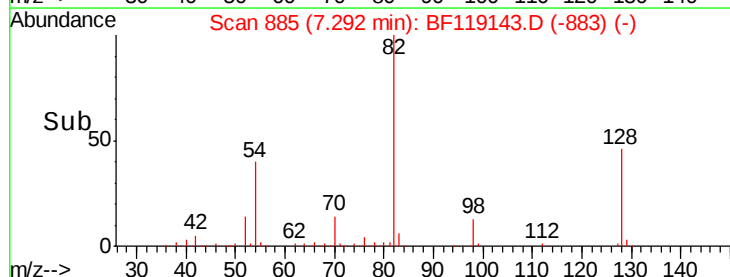
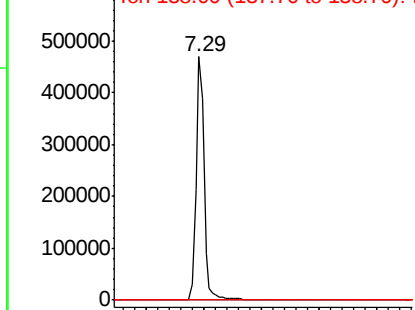


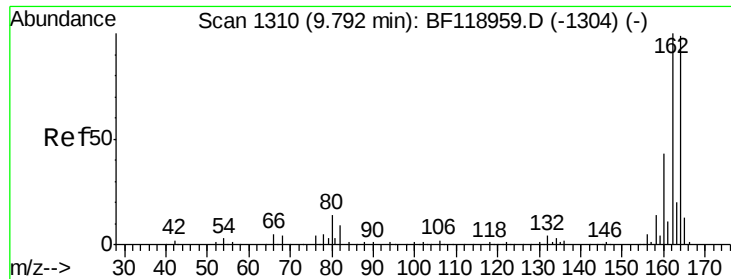
#25
Isophorone
Concen: 29.253 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.29 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Tgt Ion: 82 Resp: 454903
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 15.7 23.5#



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: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

Instrument :

BNA_F

ClientSampleId :

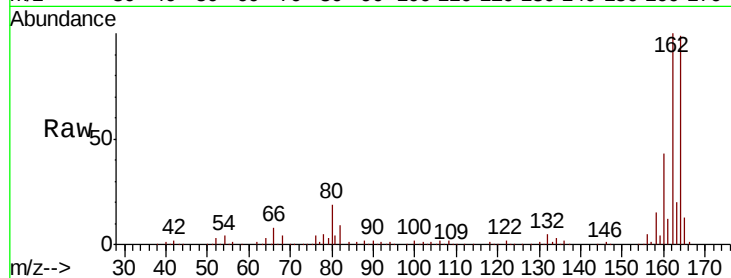
Tot Ion:164 Resp: 268729

Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.8

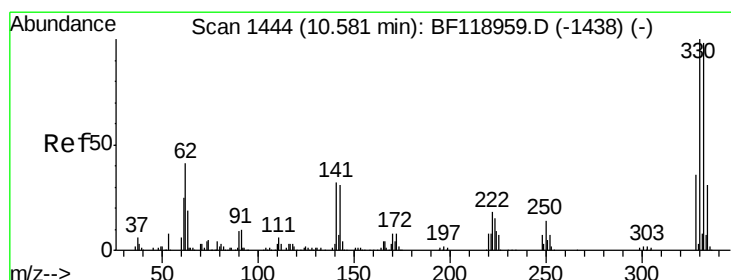
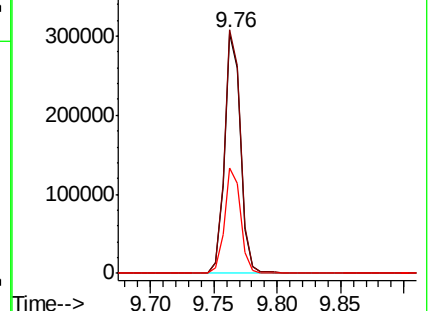
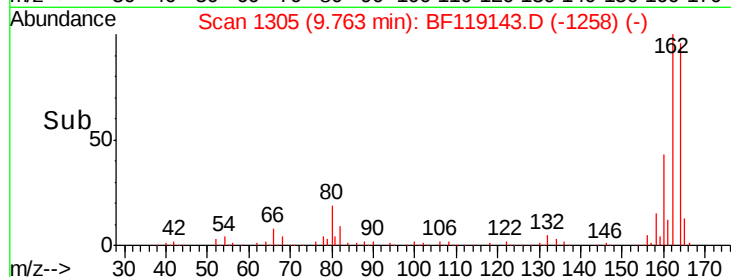
160 44.1 36.0 54.0



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: 69.284 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

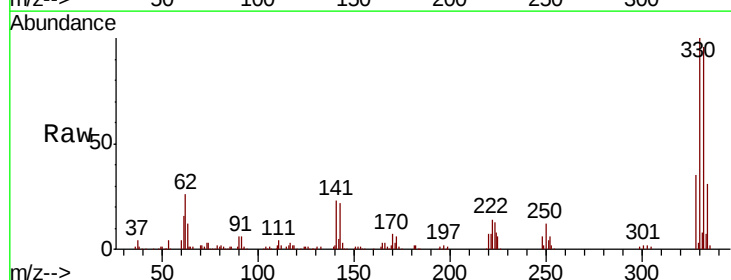
Tgt Ion:330 Resp: 243564

Ion Ratio Lower Upper

330 100

332 96.3 76.0 114.0

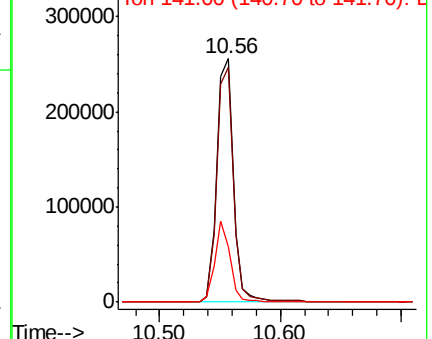
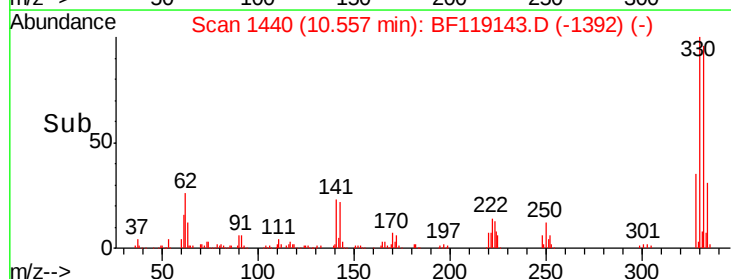
141 30.5 22.9 34.3

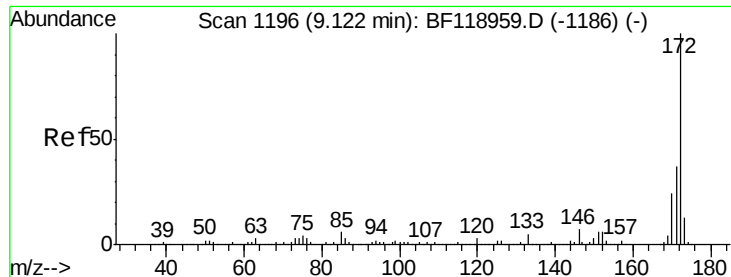


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

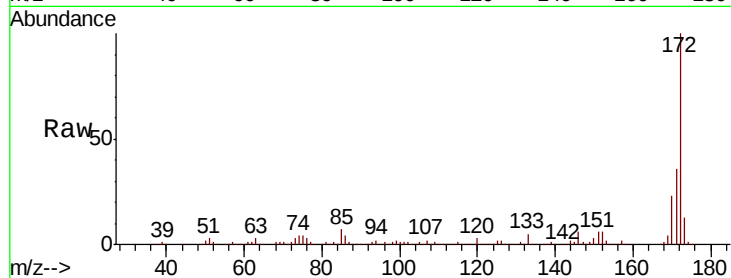




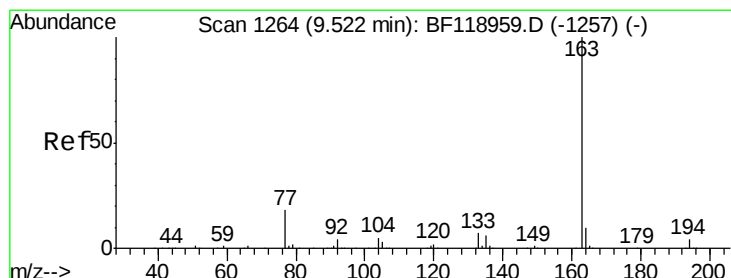
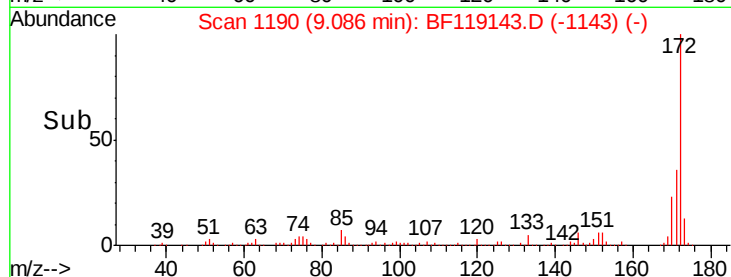
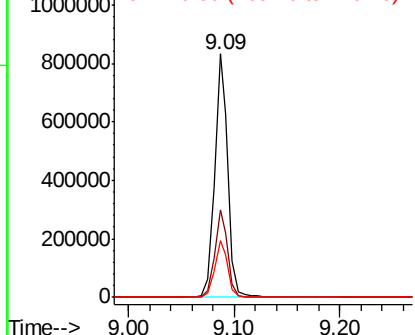
#45
 2-Fluorobiphenyl
 Concen: 40.280 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF119143.D
 Acq: 28 Feb 2020 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 734770
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.6 45.8
 170 23.3 20.2 30.2

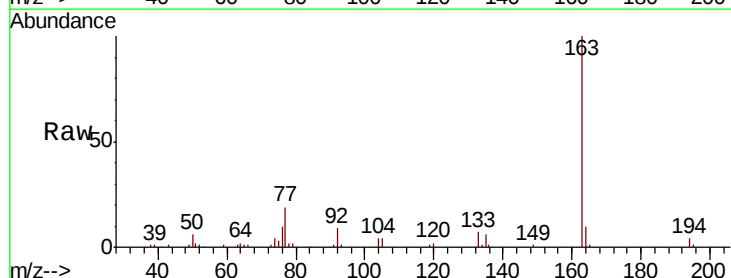


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

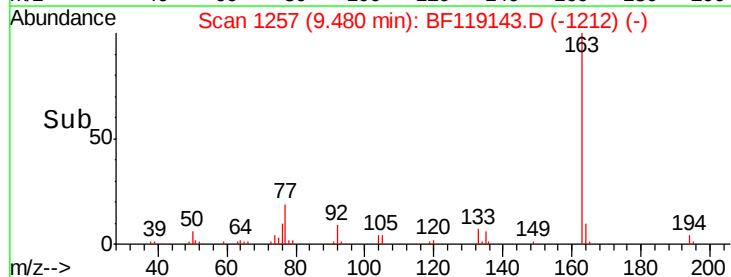
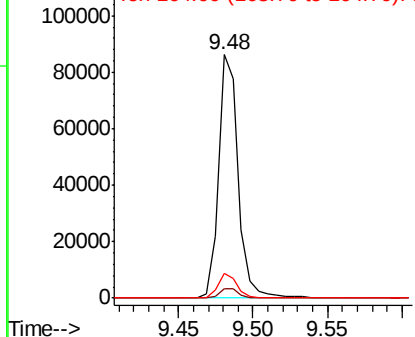


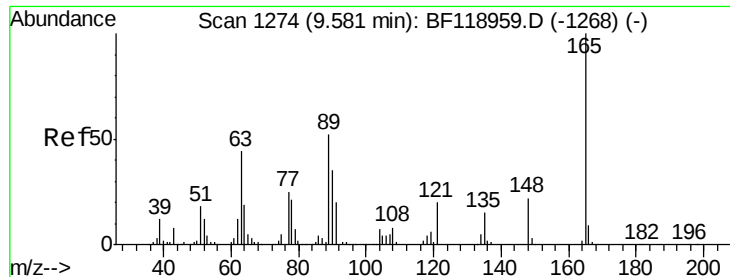
#50
 Dimethylphthalate
 Concen: 3.859 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.04 min
 Lab File: BF119143.D
 Acq: 28 Feb 2020 21:22

Tgt Ion:163 Resp: 79303
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.5 5.3
 164 9.9 8.4 12.6



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

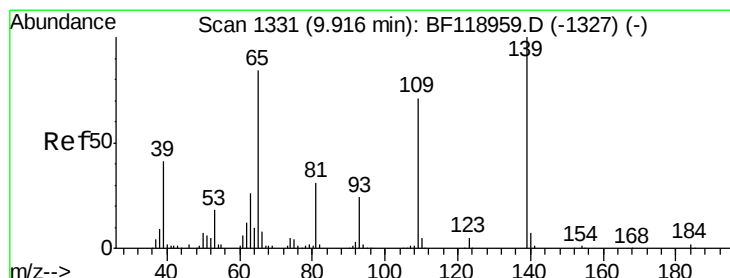
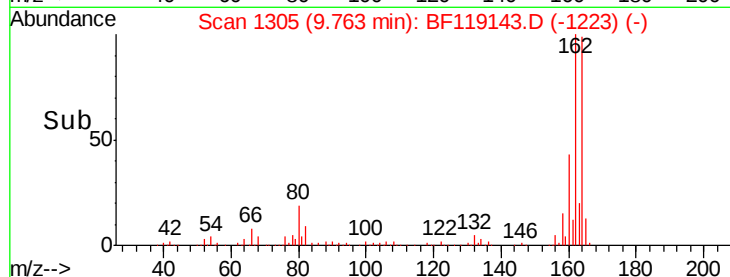
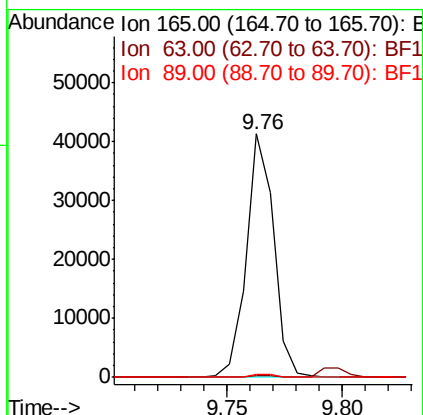
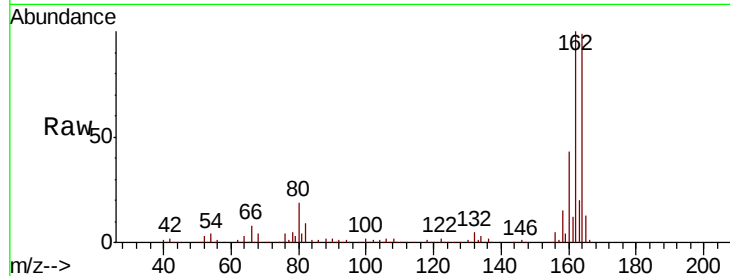




#51
 2,6-Dinitrotoluene
 Concen: 7.513 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.18 min
 Lab File: BF119143.D
 Acq: 28 Feb 2020 21:22

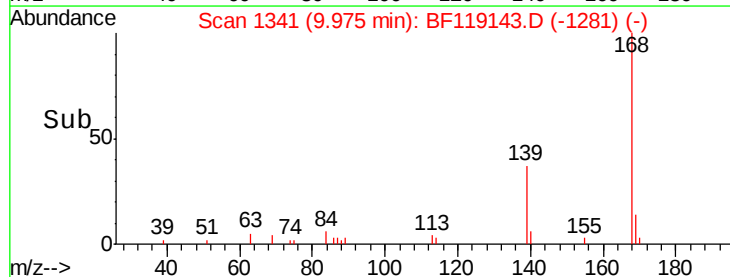
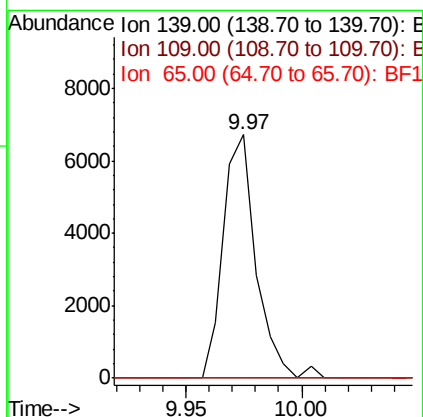
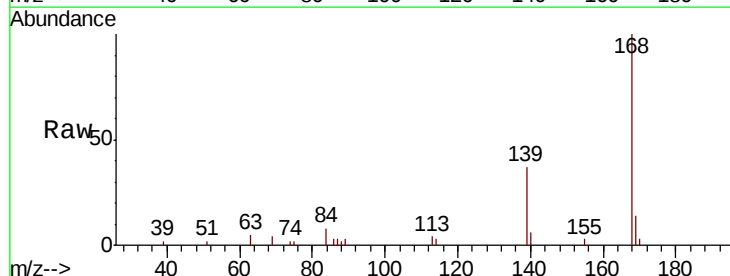
Instrument :
 BNA_F
 ClientSampled :

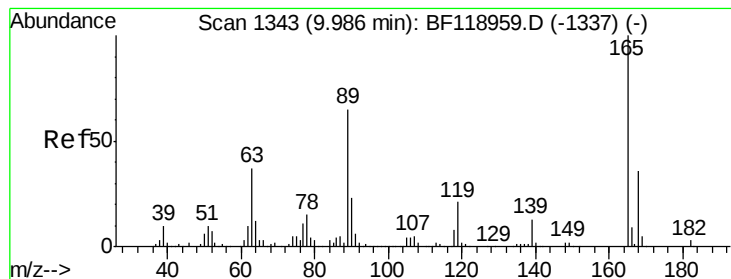
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.3	51.5#
89	1.2	38.3	57.5#



#56
 4-Nitrophenol
 Concen: 2.187 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.05 min
 Lab File: BF119143.D
 Acq: 28 Feb 2020 21:22

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	56.7	96.7#
65	0.0	65.0	105.0#





#57

2,4-Dinitrotoluene

Concen: 5.796 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.22 min

Lab File: BF119143.D

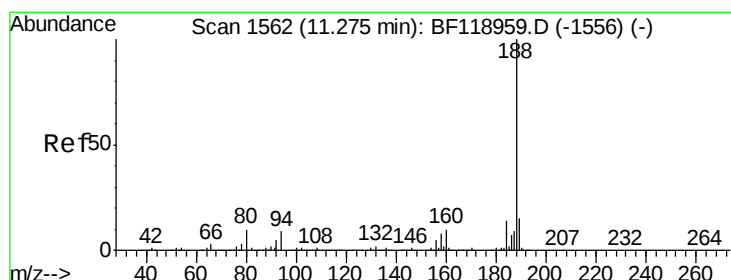
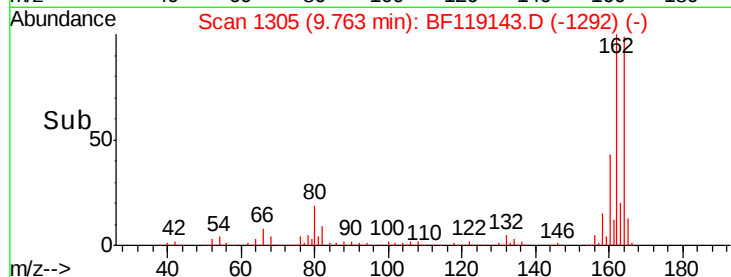
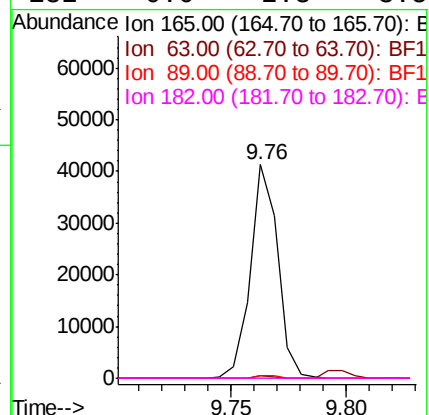
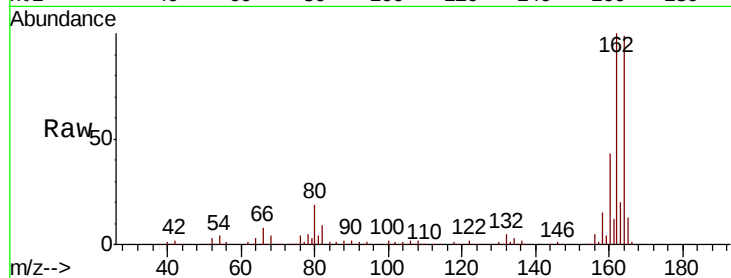
Acq: 28 Feb 2020 21:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165	Resp:	34300
Ion Ratio	Lower	Upper
165	100	
63	1.0	42.3 63.5#
89	1.2	60.2 90.4#
182	0.0	2.3 3.5#



#64

Phenanthrene-d10

Concen: 20.000 ng

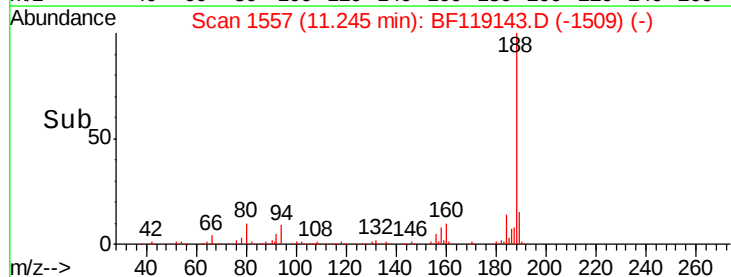
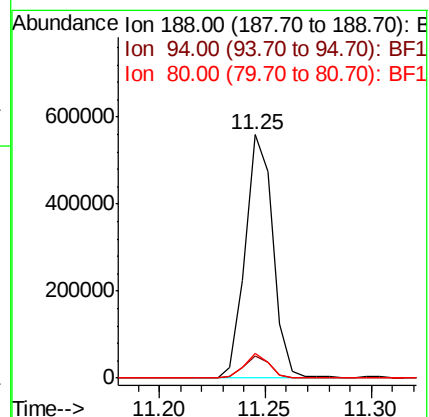
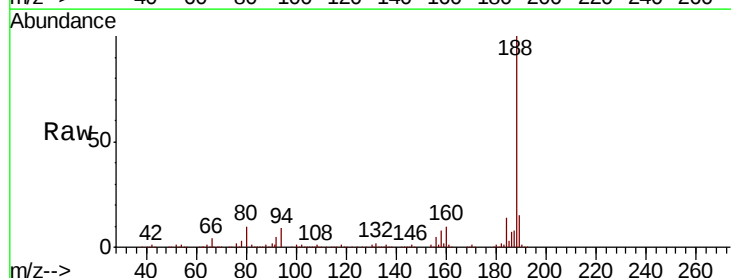
RT: 11.25 min Scan# 1557

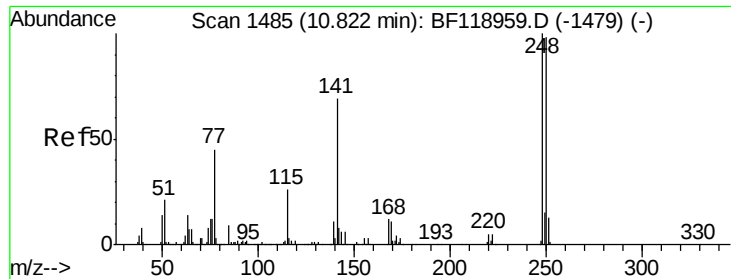
Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

Tgt Ion:188	Resp:	507425
Ion Ratio	Lower	Upper
188	100	
94	9.2	7.1 10.7
80	10.2	7.8 11.8





#67

4-Bromophenyl-phenylether

Concen: 2.446 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.26 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

Instrument :

BNA_F

ClientSampleId :

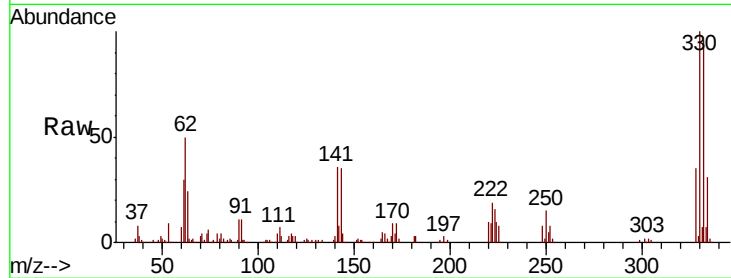
Tot Ion:248 Resp: 16223

Ion Ratio Lower Upper

248 100

250 202.4 76.7 115.1#

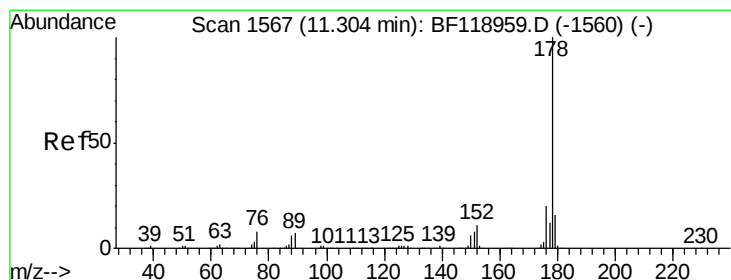
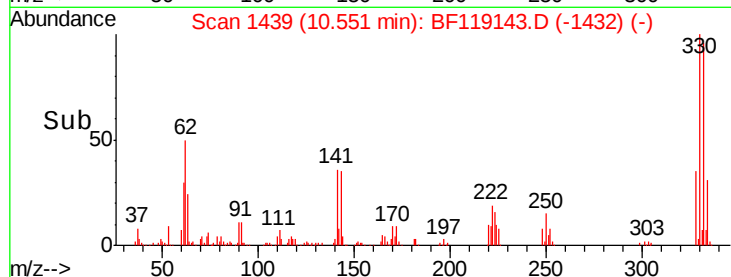
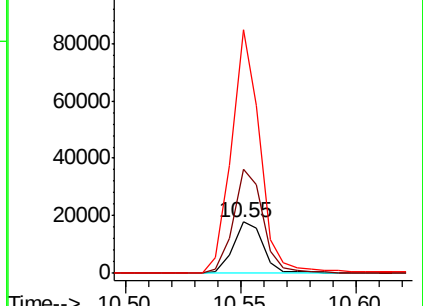
141 473.6 60.7 91.1#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#71

Phenanthrene

Concen: 6.583 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

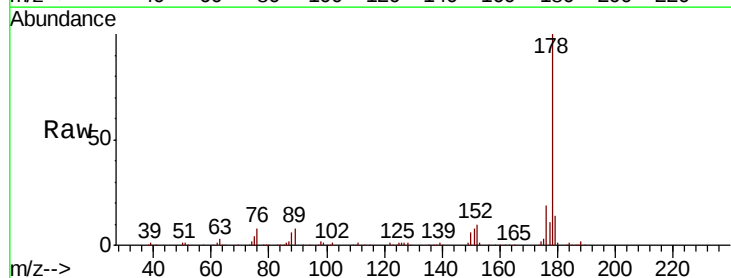
Tgt Ion:178 Resp: 182174

Ion Ratio Lower Upper

178 100

176 18.9 16.5 24.7

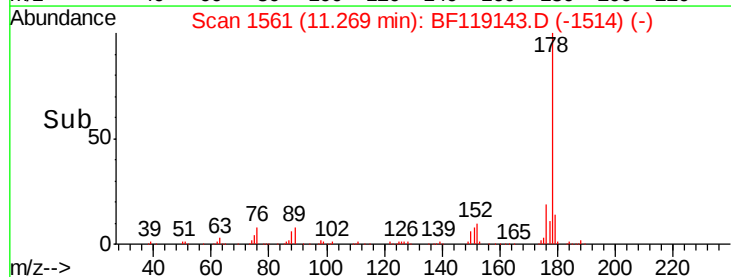
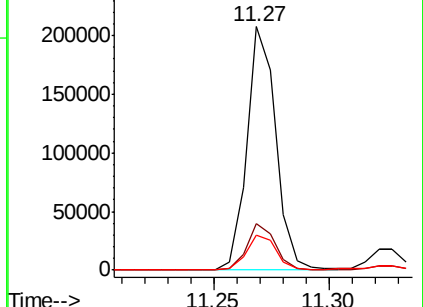
179 14.4 13.0 19.6

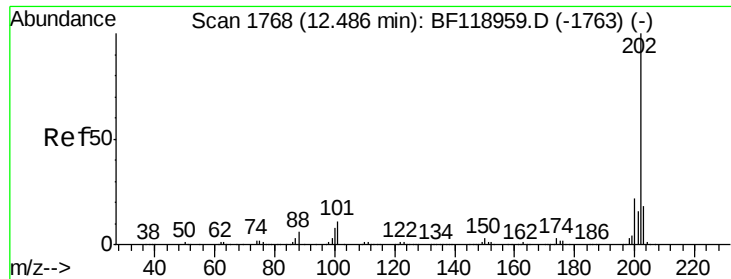


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.274 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

Instrument :

BNA_F

ClientSampled :

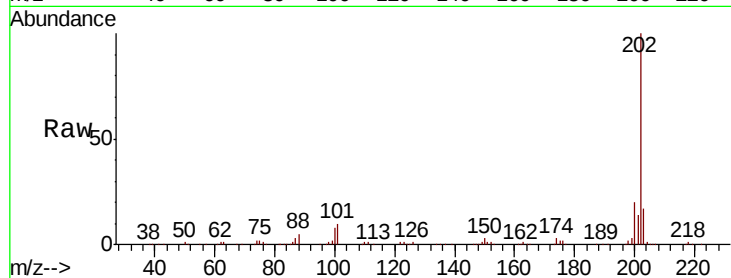
Tot Ion:202 Resp: 184296

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.3

203 17.2 0.0 38.4

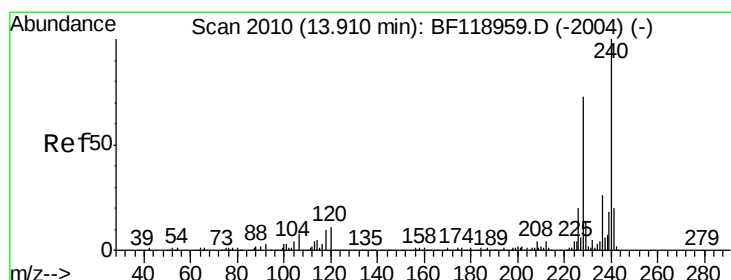
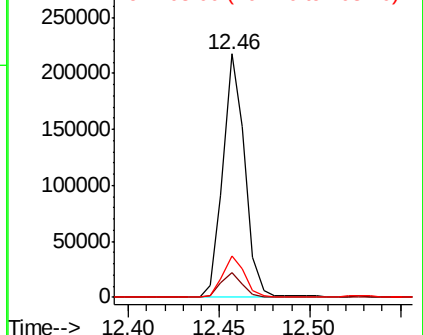
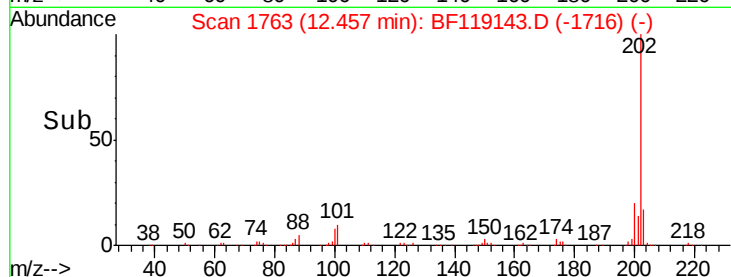


Abundance

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: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF119143.D

Acq: 28 Feb 2020 21:22

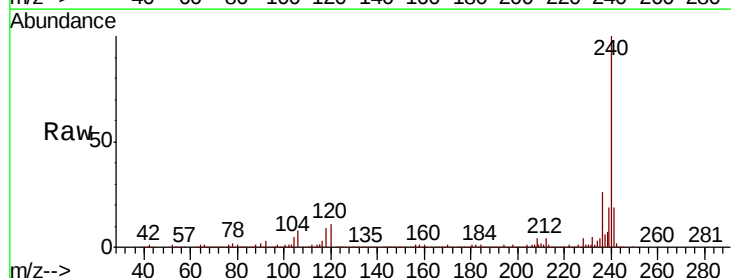
Tgt Ion:240 Resp: 334795

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

236 26.1 21.0 31.4

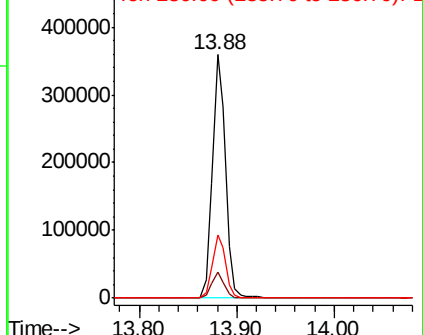
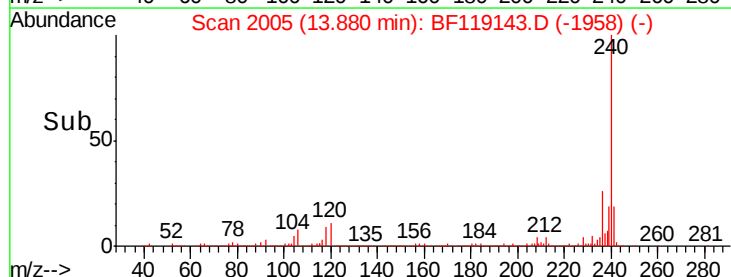


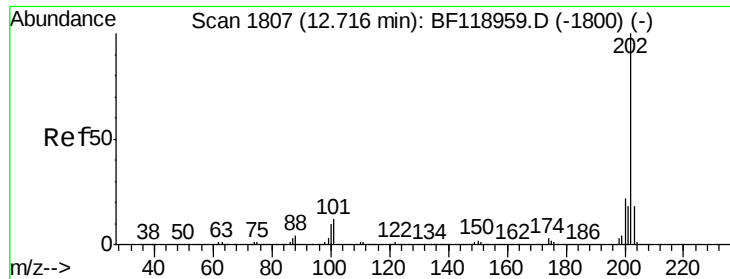
Abundance

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

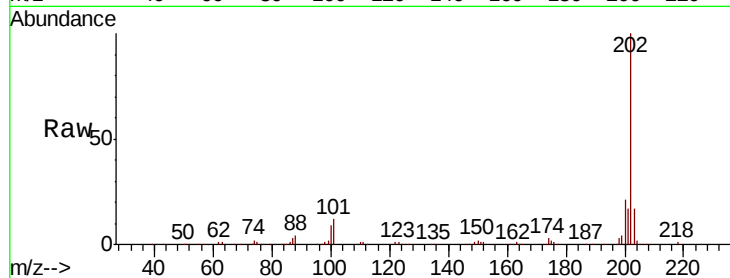




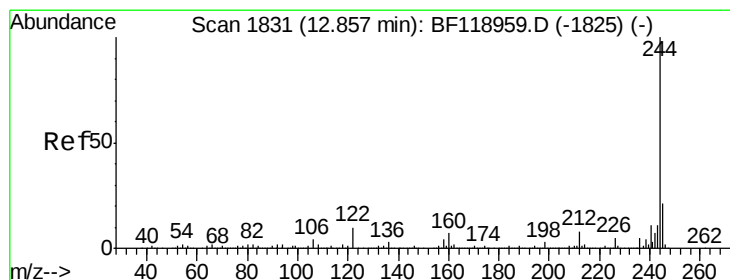
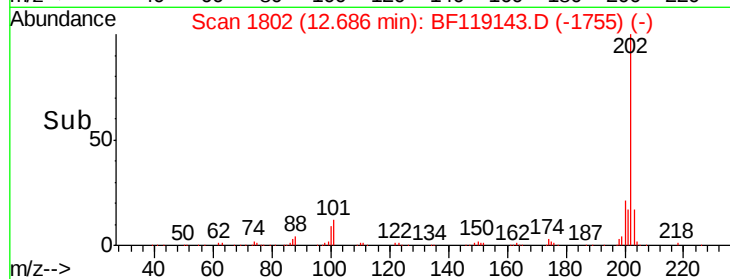
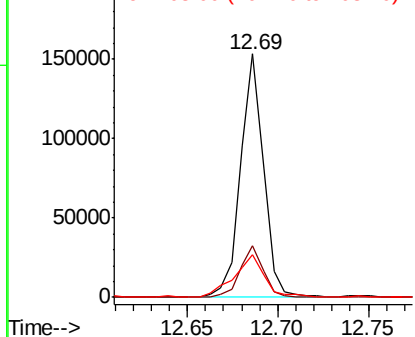
#78
Pvrene
Concen: 5.054 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.02 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 135862
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.4 14.6 22.0

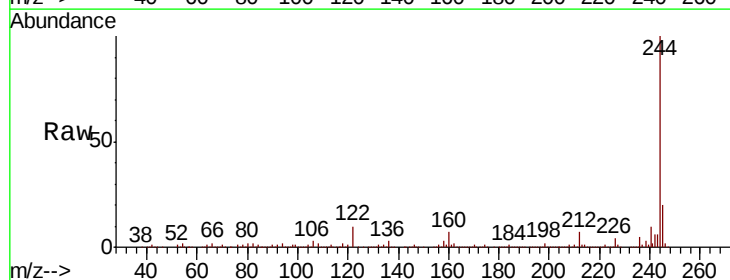


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

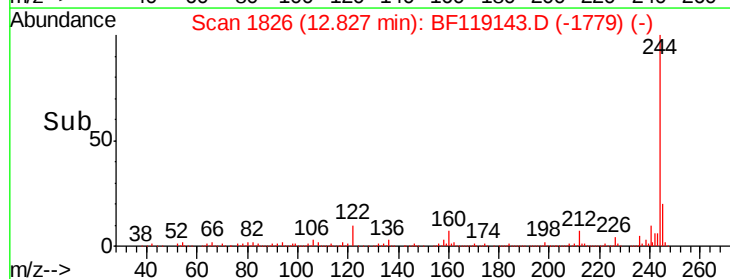
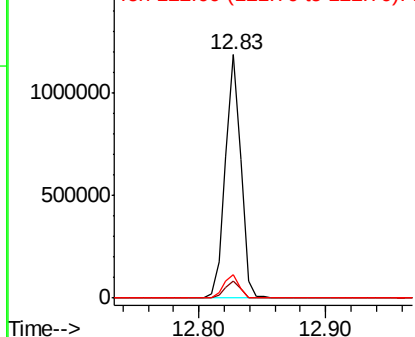


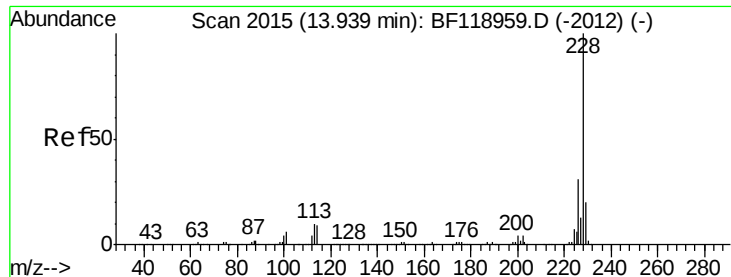
#79
Terphenyl-d14
Concen: 52.175 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Tgt Ion:244 Resp: 1014586
Ion Ratio Lower Upper
244 100
212 7.0 6.6 10.0
122 9.7 8.2 12.2



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

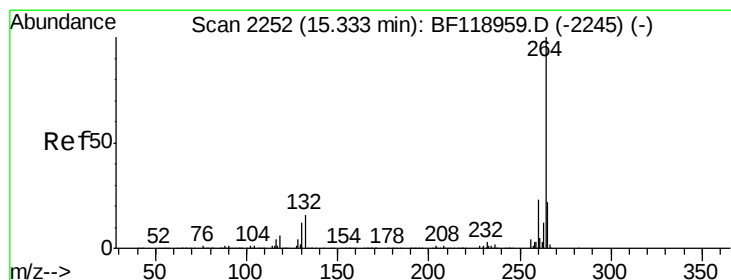
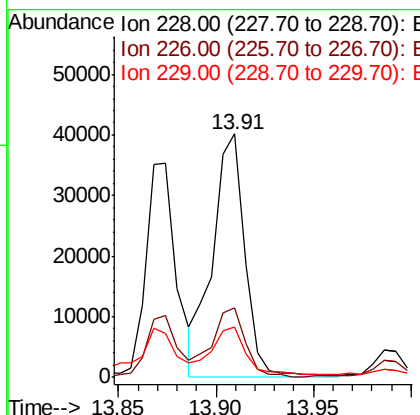
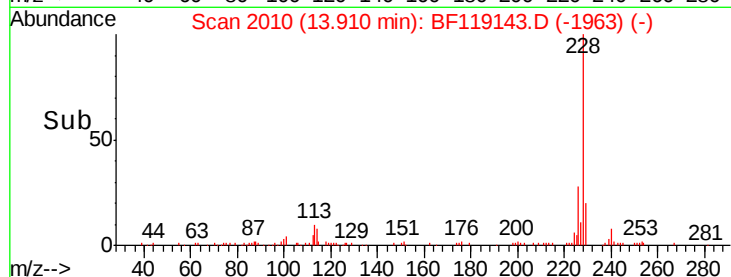
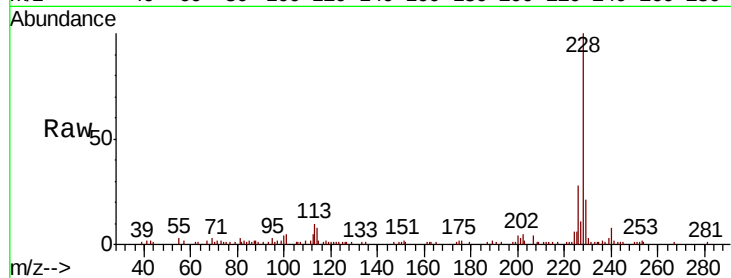




#83
Chrysene
Concen: 2.057 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

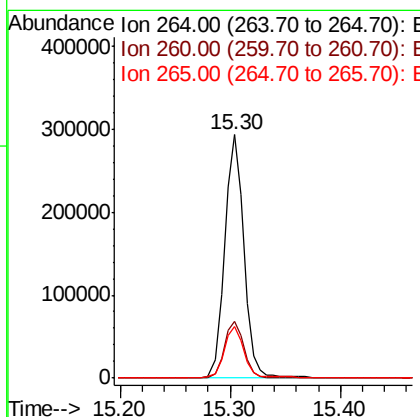
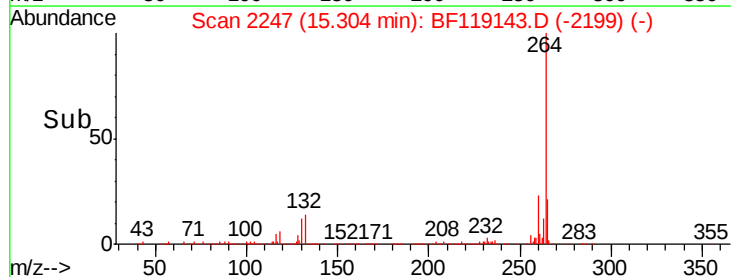
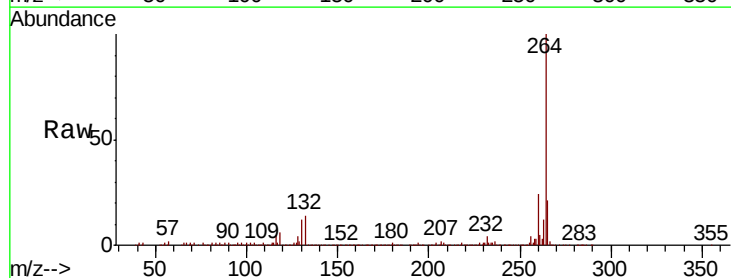
Instrument :
BNA_F
ClientSampleId :

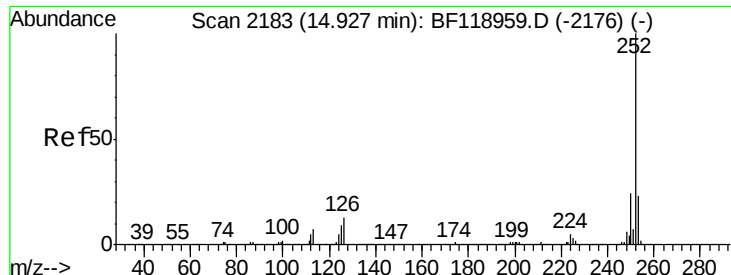
Tot Ion:228 Resp: 46745
Ion Ratio Lower Upper
228 100
226 28.4 25.1 37.7
229 20.7 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.02 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Tgt Ion:264 Resp: 359429
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 21.2 17.7 26.5

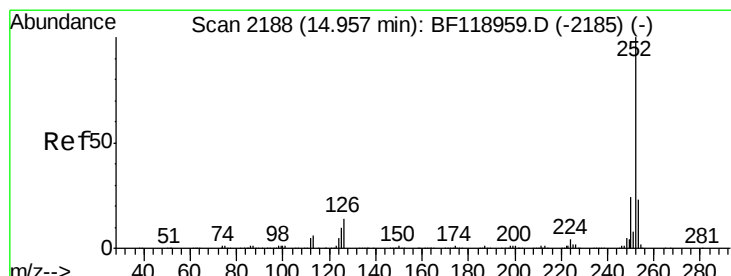
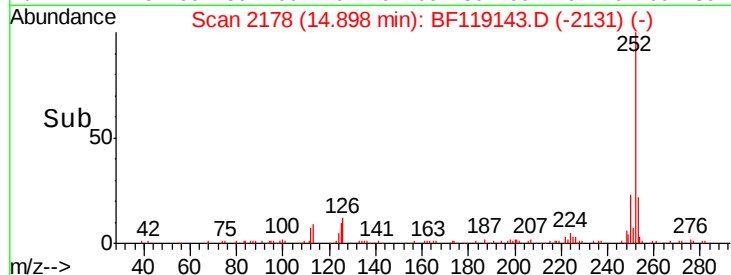
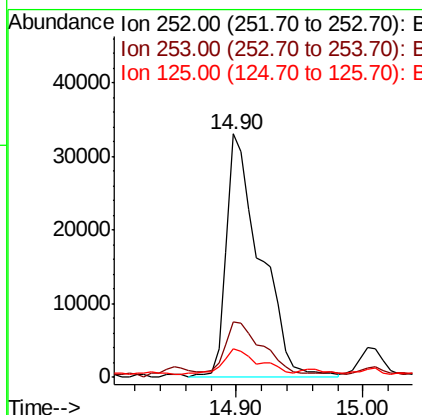
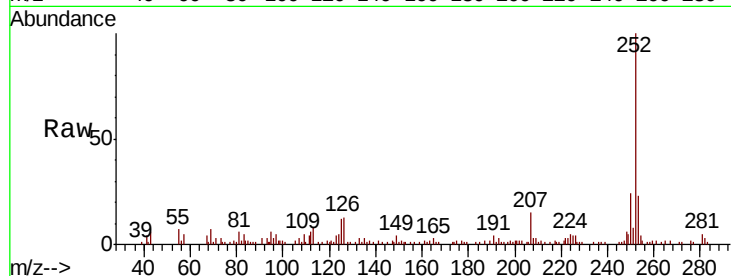




#88
Benzo(b)fluoranthene
Concen: 2.605 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 61728
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 11.8 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.812 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.05 min
Lab File: BF119143.D
Acq: 28 Feb 2020 21:22

Tgt Ion:252 Resp: 61728
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 11.8 7.5 11.3#

