

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
 Data File : BF119162.D
 Acq On : 29 Feb 2020 17:00
 Operator : CG/JU
 Sample : L1696-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 02 05:46:05 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	134518	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	511700	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	273085	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	465869	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	351904	20.00	ng	-0.02
87) Perylene-d12	15.31	264	368491	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	670865	83.34	ng	-0.01
7) Phenol-d6	6.38	99	819568	83.72	ng	-0.02
23) Nitrobenzene-d5	7.30	82	533143	55.01	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	265323	74.27	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1010080	54.49	ng	-0.02
79) Terphenyl-d14	12.83	244	1065650	52.14	ng	-0.02

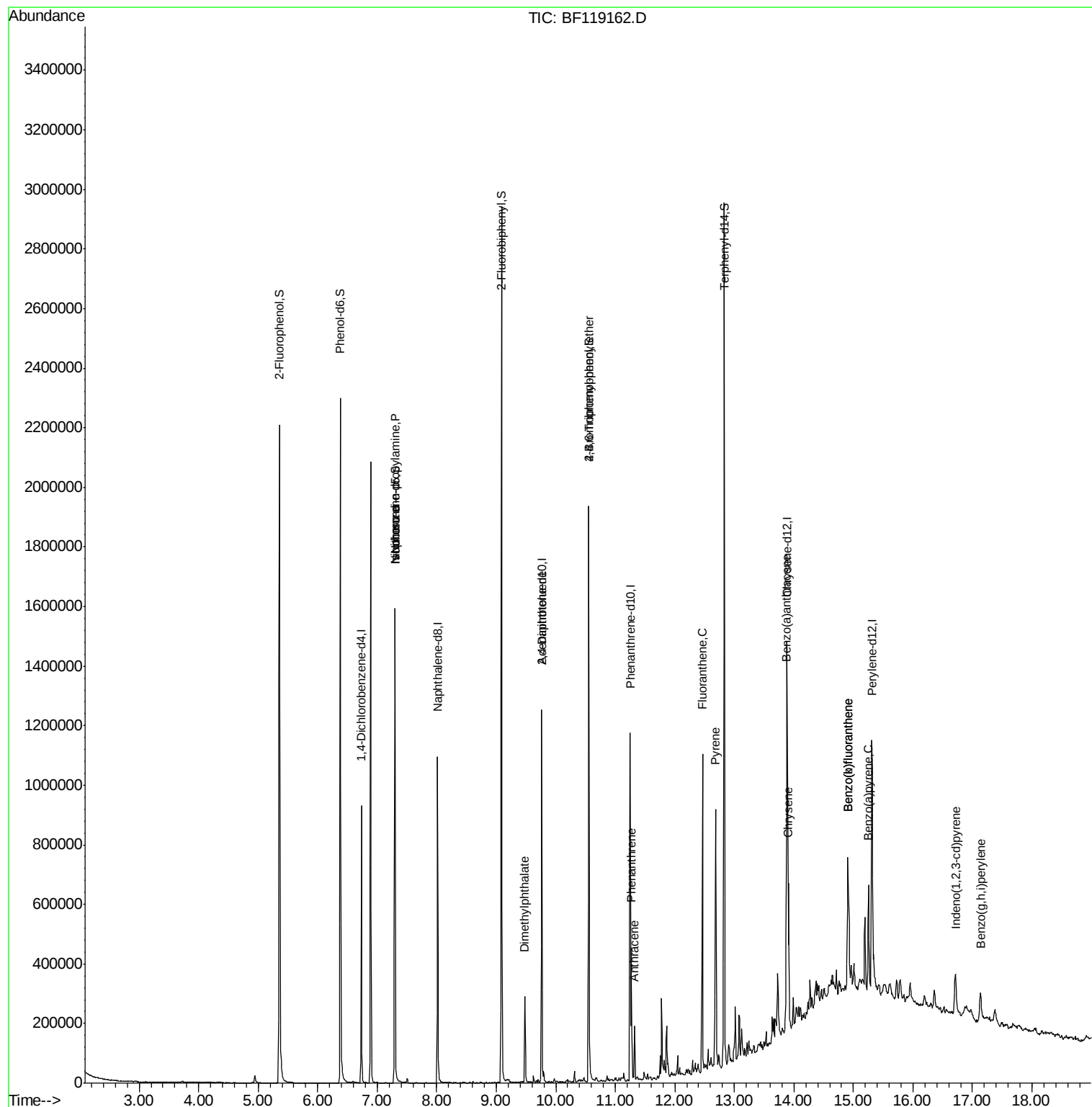
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	72547	12.718	ng	# 75
25) Isophorone	7.30	82	530661	31.529	ng	# 63
50) Dimethylphthalate	9.49	163	126787	6.072	ng	99
57) 2,4-Dinitrotoluene	9.76	165	35118	5.840	ng	# 21
67) 4-Bromophenyl-phenylether	10.56	248	17756	2.916	ng	# 1
71) Phenanthrene	11.27	178	182474	7.182	ng	96
72) Anthracene	11.33	178	76039	2.995	ng	97
75) Fluoranthene	12.46	202	452409	16.776	ng	98
78) Pyrene	12.69	202	373596	13.221	ng	98
81) Benzo(a)anthracene	13.87	228	222878	9.295	ng	98
83) Chrysene	13.91	228	187093	7.831	ng	97
86) Indeno(1,2,3-cd)pyrene	16.72	276	89682	3.877	ng	96
88) Benzo(b)fluoranthene	14.90	252	330187	13.594	ng	98
89) Benzo(k)fluoranthene	14.90	252	330187	14.669	ng	98
90) Benzo(a)pyrene	15.25	252	166850	7.611	ng	97
92) Benzo(g,h,i)perylene	17.13	276	81442	4.273	ng	97

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

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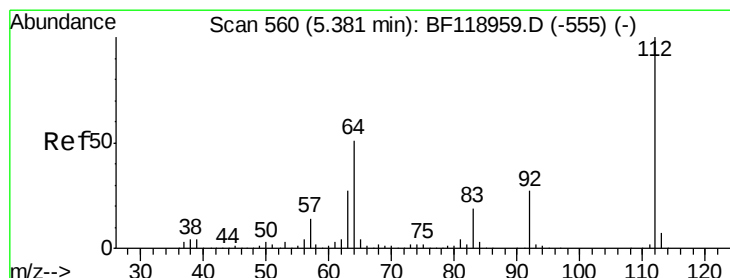
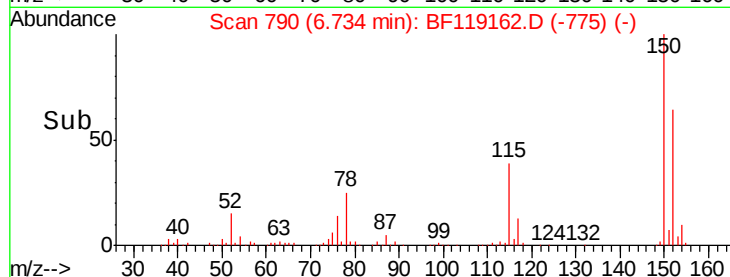
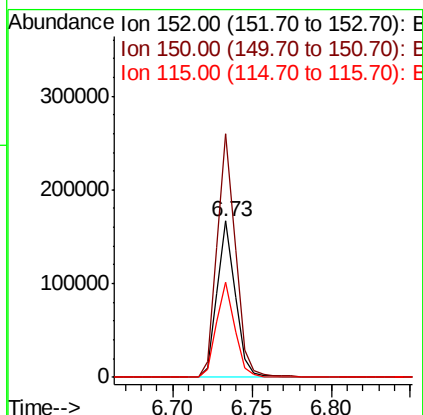
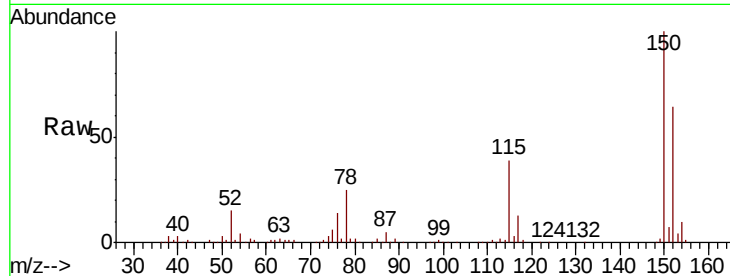


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.01 min
 Lab File: BF119162.D
 Acq: 29 Feb 2020 17:00

Instrument :
 BNA_F
 ClientSampleId :

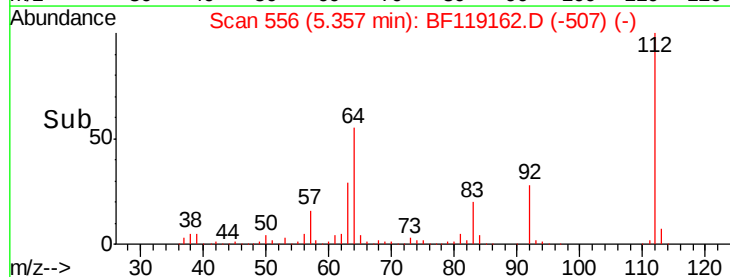
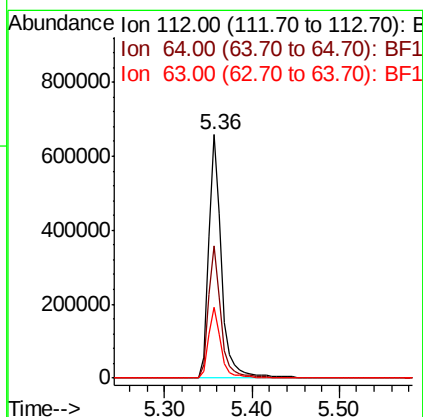
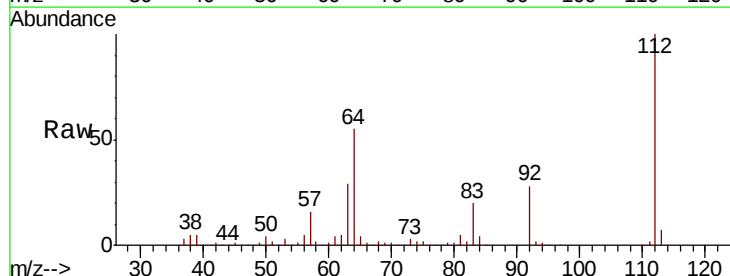
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.0	184.6
115	60.5	49.5	74.3



#5

2-Fluorophenol
 Concen: 83.345 ng
 RT: 5.36 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF119162.D
 Acq: 29 Feb 2020 17:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.0	67.4
63	29.1	24.2	36.4





#7

Phenol-d6

Concen: 83.720 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

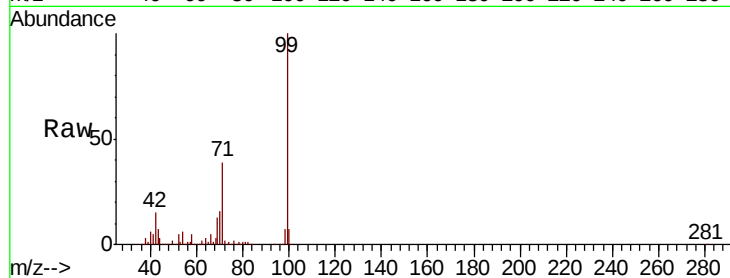
Tot Ion: 99 Resp: 819568

Ion Ratio Lower Upper

99 100

42 14.7 12.6 18.8

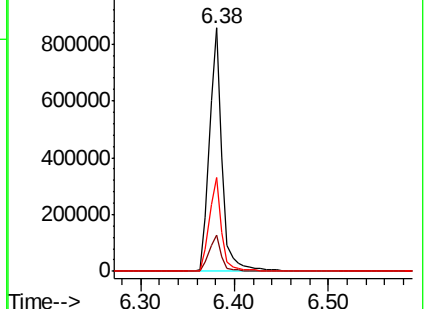
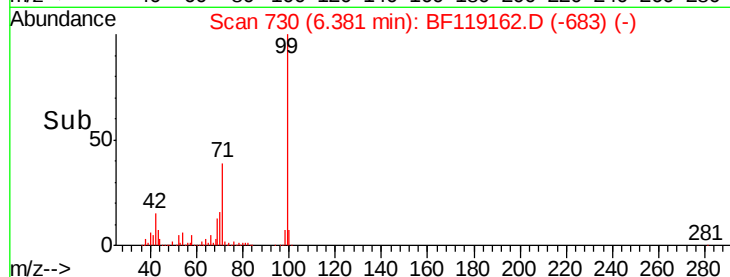
71 38.6 31.0 46.4



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: 12.718 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.12 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Tgt Ion: 70 Resp: 72547

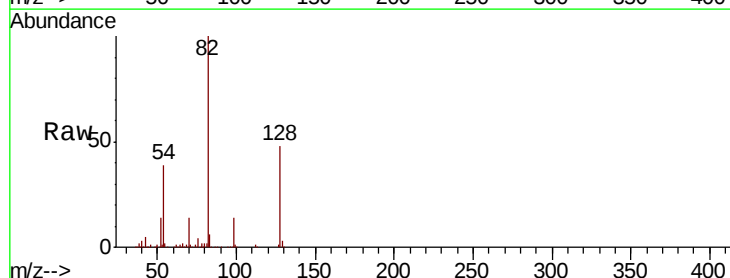
Ion Ratio Lower Upper

70 100

42 36.6 38.0 57.0#

101 0.0 8.2 12.4#

130 2.2 18.2 27.4#

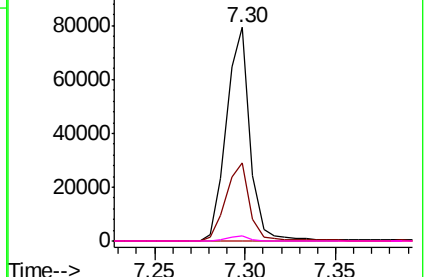
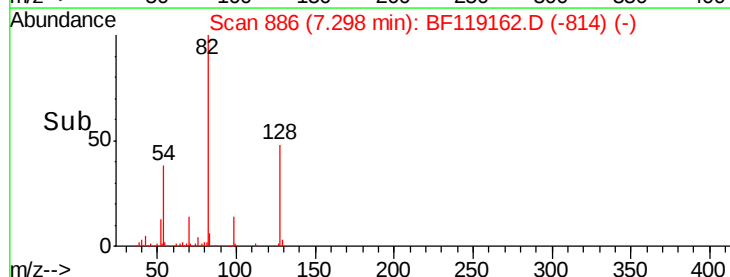


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 511700

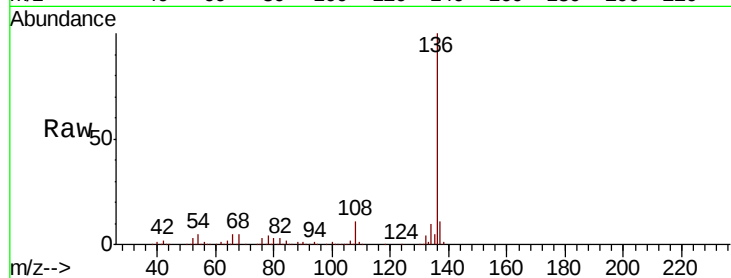
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 4.7 3.8 5.6

68 5.1 3.9 5.9

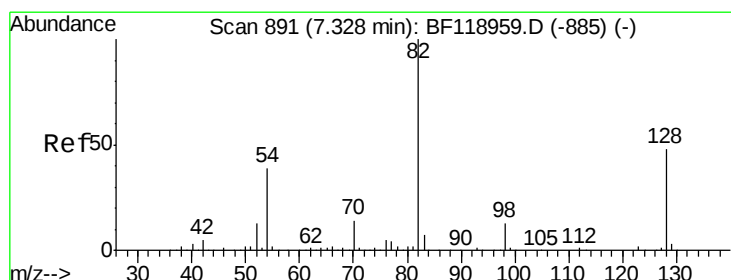
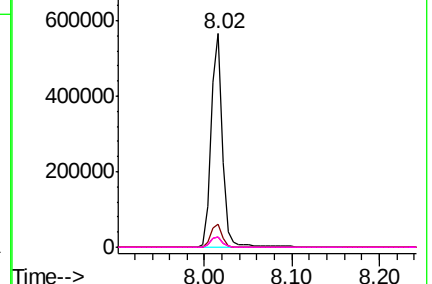
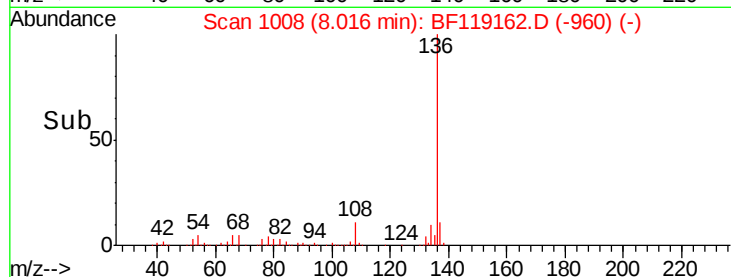


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.013 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

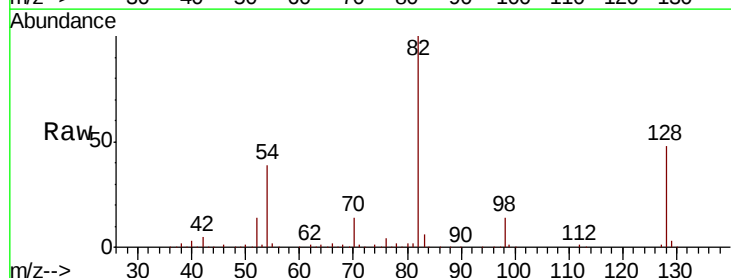
Tgt Ion: 82 Resp: 533143

Ion Ratio Lower Upper

82 100

128 47.8 37.9 56.9

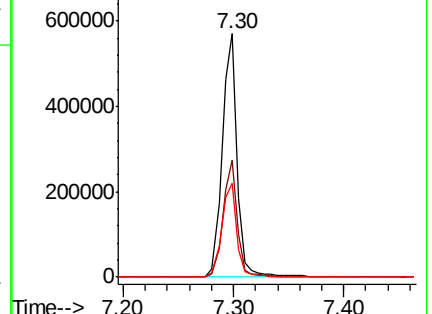
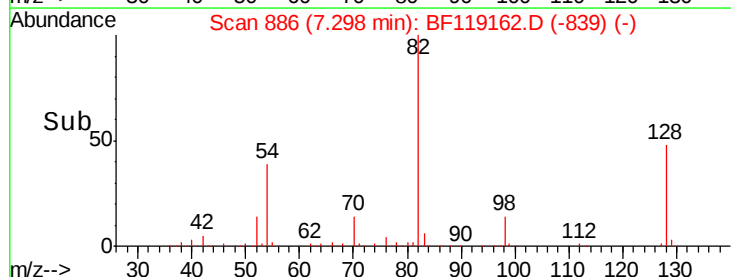
54 38.7 33.4 50.2



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: 31.529 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.28 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

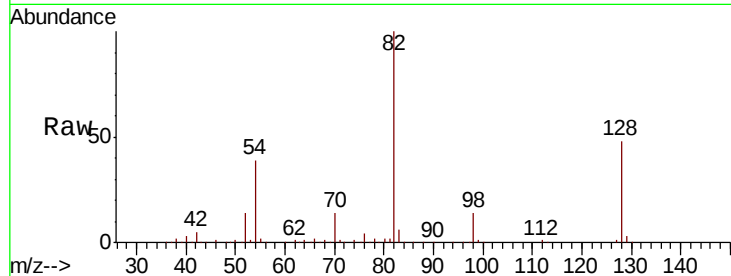
Tot Ion: 82 Resp: 530661

Ion Ratio Lower Upper

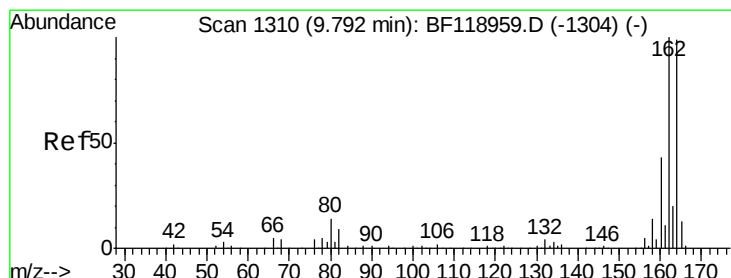
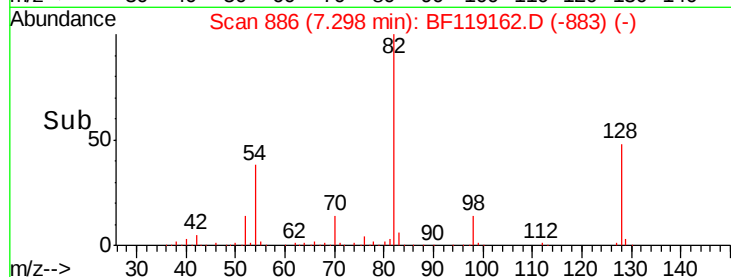
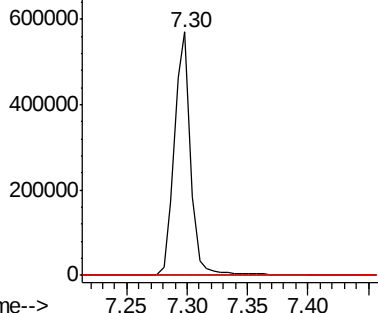
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

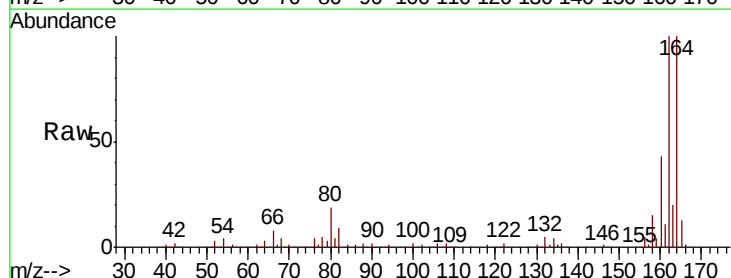
Tgt Ion: 164 Resp: 273085

Ion Ratio Lower Upper

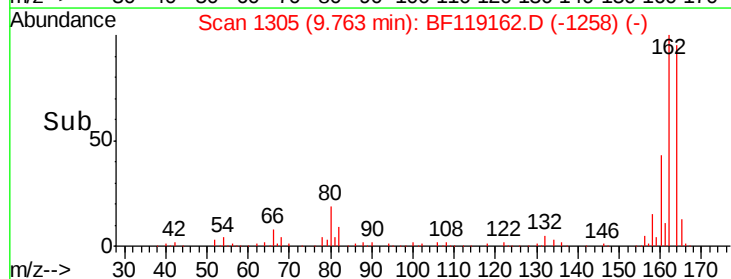
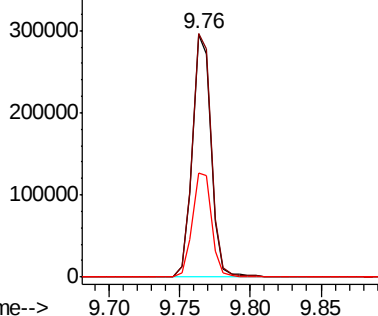
164 100

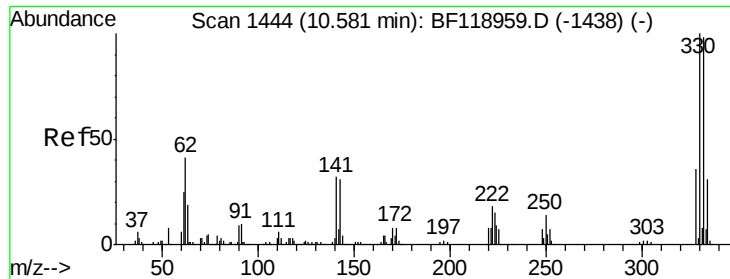
162 100.4 81.8 122.8

160 42.8 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: 74.270 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

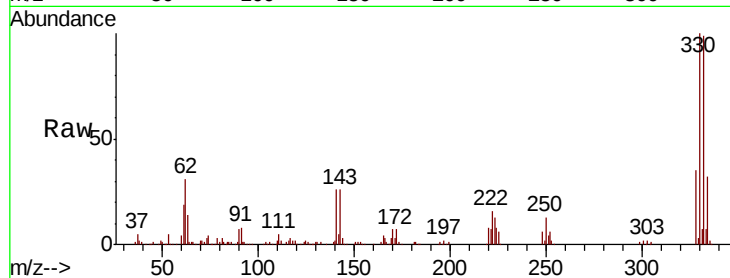
Tot Ion:330 Resp: 265323

Ion Ratio Lower Upper

330 100

332 98.2 76.0 114.0

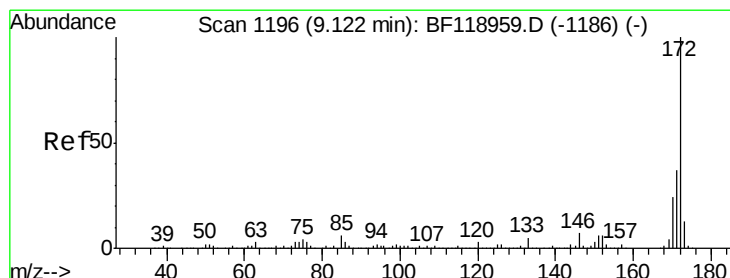
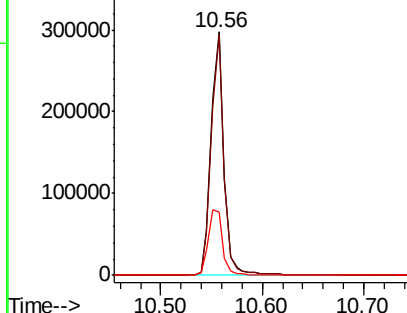
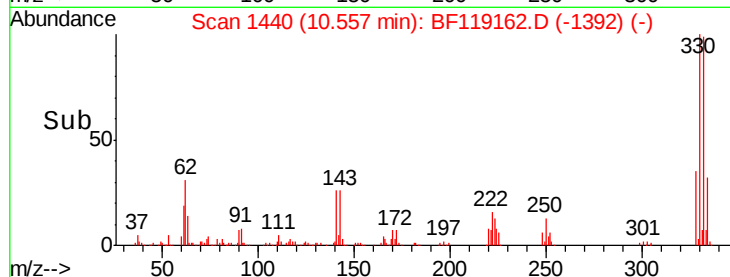
141 30.1 22.9 34.3



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: 54.489 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

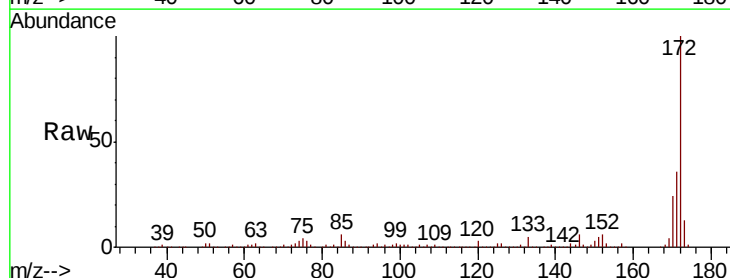
Tgt Ion:172 Resp: 1010080

Ion Ratio Lower Upper

172 100

171 36.5 30.6 45.8

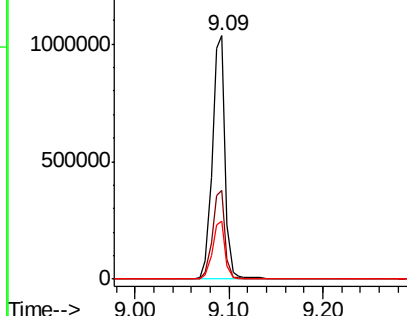
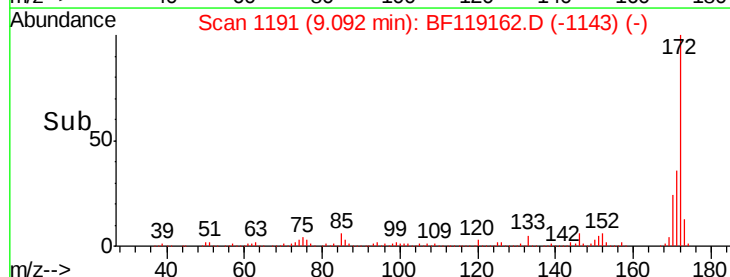
170 23.9 20.2 30.2

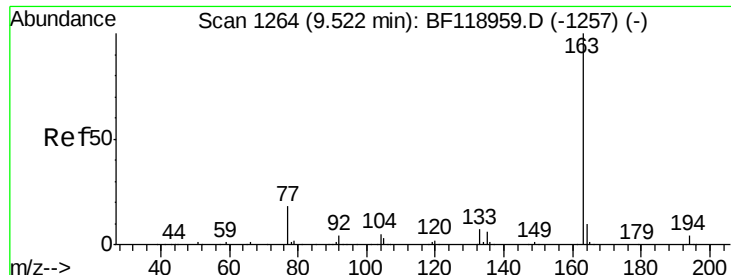


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

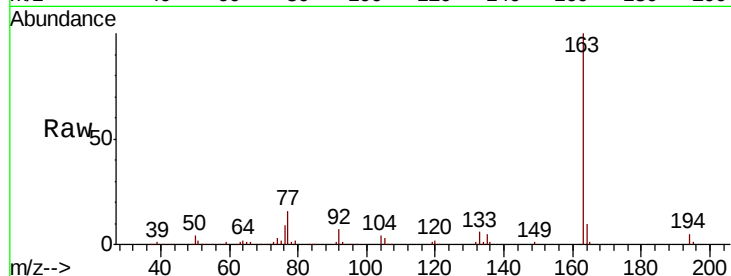




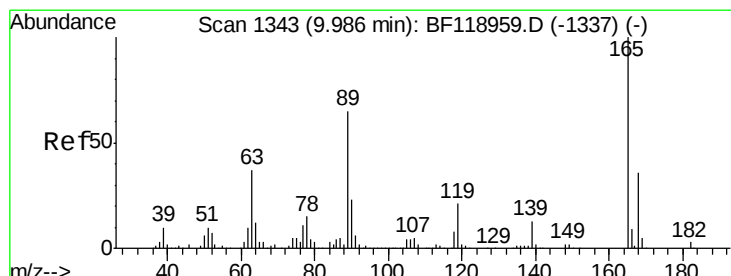
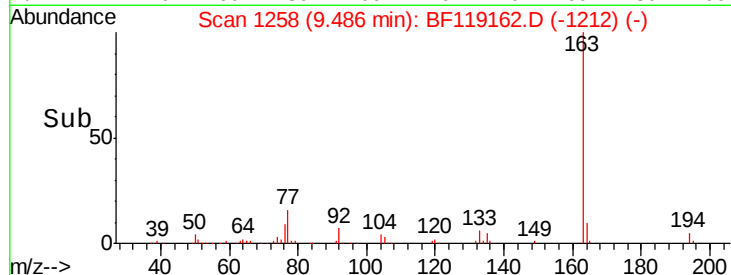
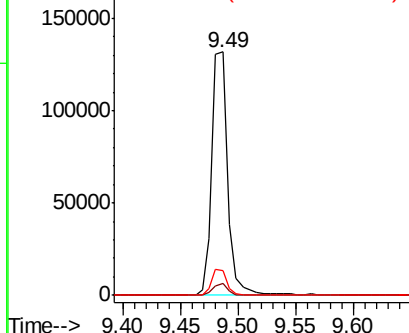
#50
Dimethylphthalate
Concen: 6.072 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF119162.D
Acq: 29 Feb 2020 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.5	5.3
164	10.0	8.4	12.6



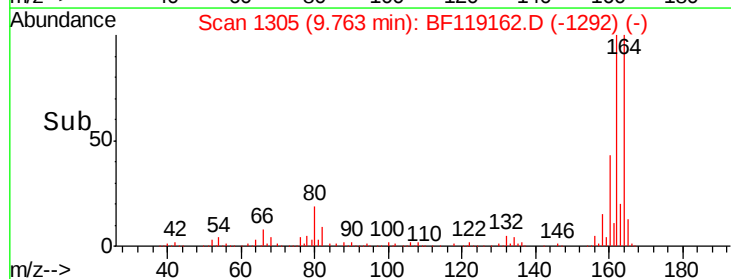
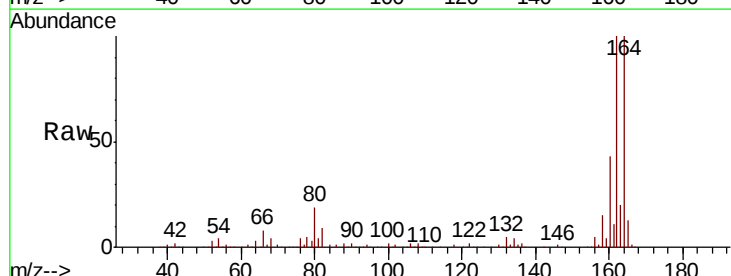
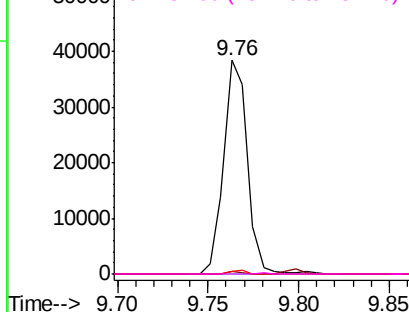
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

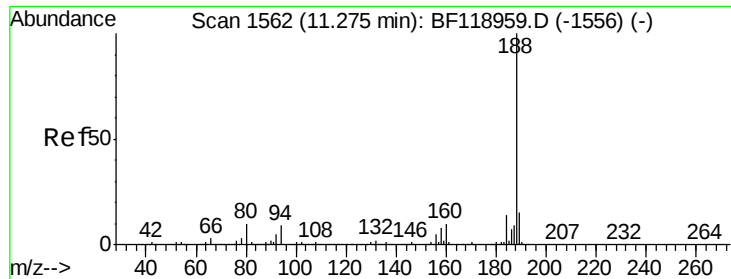


#57
2,4-Dinitrotoluene
Concen: 5.840 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.22 min
Lab File: BF119162.D
Acq: 29 Feb 2020 17:00

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.3	63.5#
89	1.1	60.2	90.4#
182	0.0	2.3	3.5#

Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

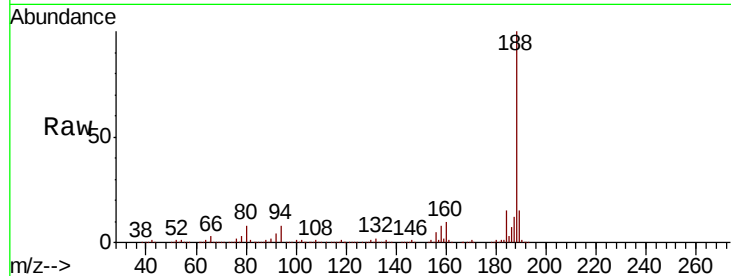
Tot Ion:188 Resp: 465869

Ion Ratio Lower Upper

188 100

94 7.8 7.1 10.7

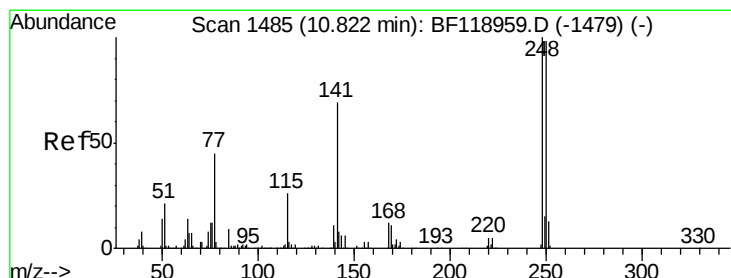
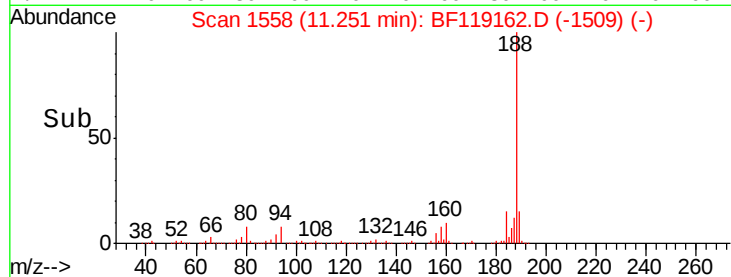
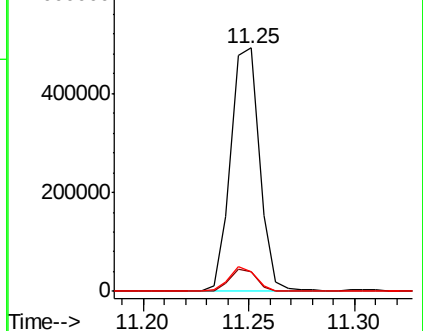
80 7.8 7.8 11.8#



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



#67

4-Bromophenyl-phenylether

Concen: 2.916 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.25 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

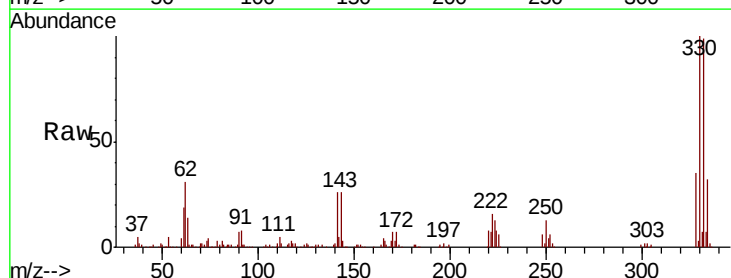
Tgt Ion:248 Resp: 17756

Ion Ratio Lower Upper

248 100

250 201.3 76.7 115.1#

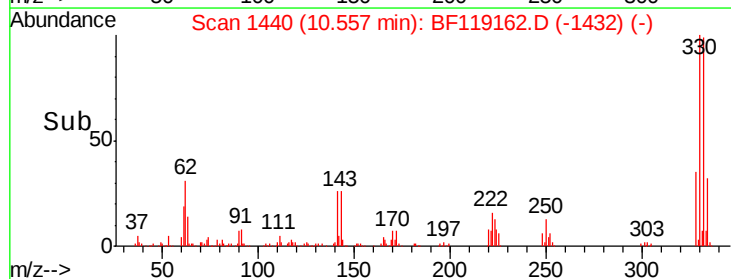
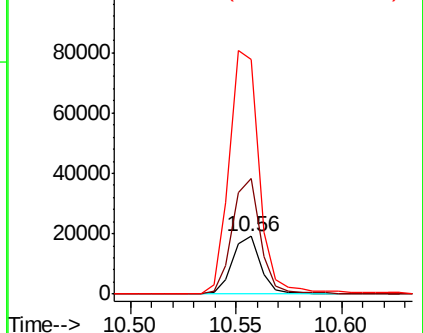
141 408.9 60.7 91.1#

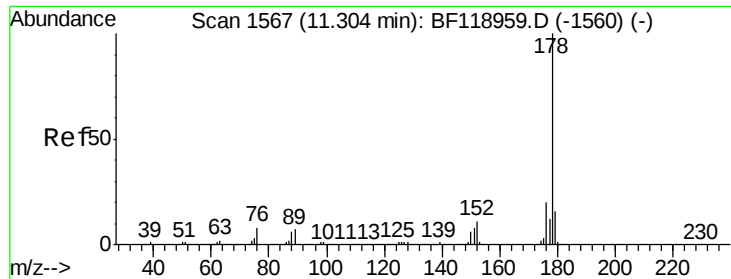


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 7.182 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

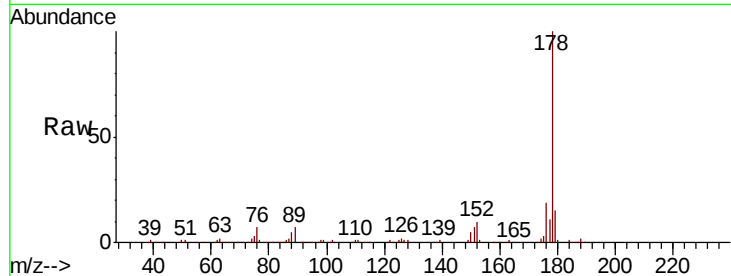
Tot Ion:178 Resp: 182474

Ion Ratio Lower Upper

178 100

176 19.0 16.5 24.7

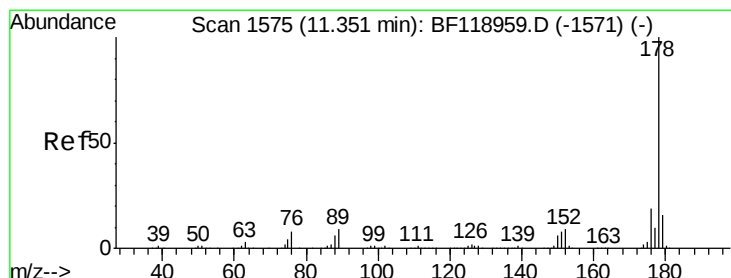
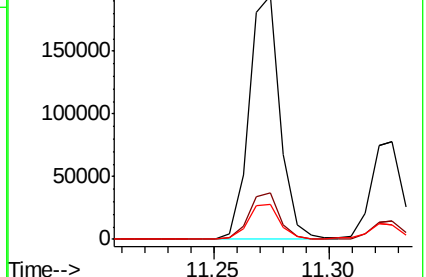
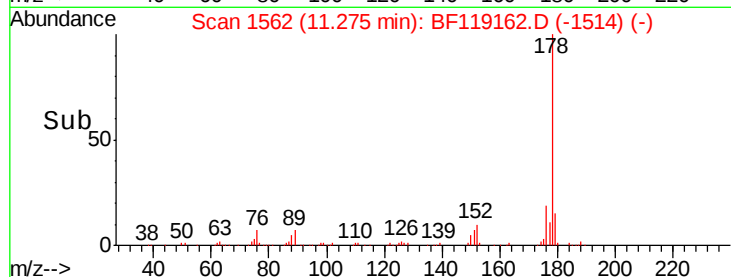
179 14.6 13.0 19.6



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



#72

Anthracene

Concen: 2.995 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

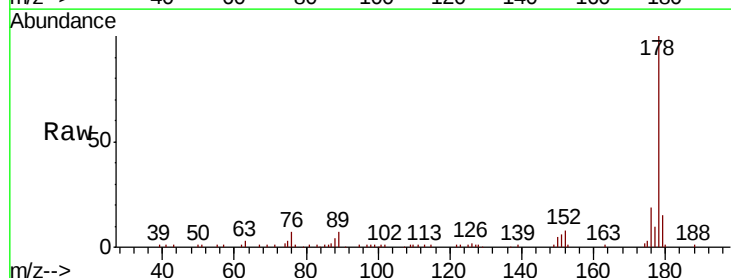
Tgt Ion:178 Resp: 76039

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

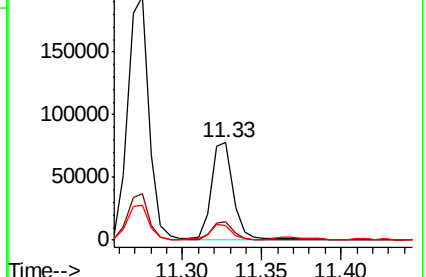
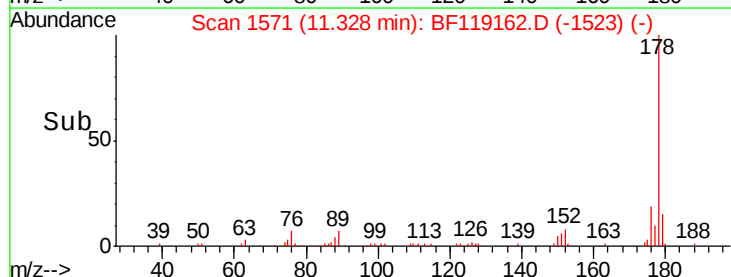
179 14.8 13.1 19.7

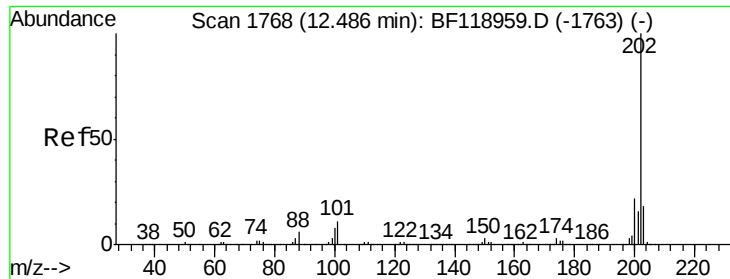


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 16.776 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

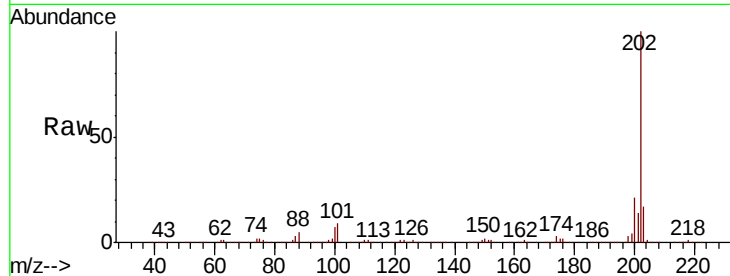
Tot Ion:202 Resp: 452409

Ion Ratio Lower Upper

202 100

101 9.4 0.0 30.3

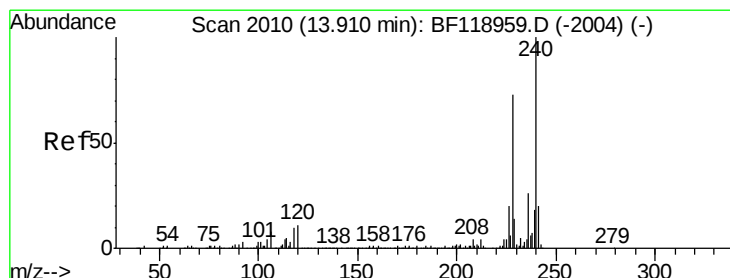
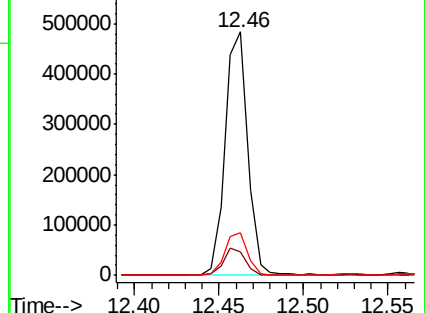
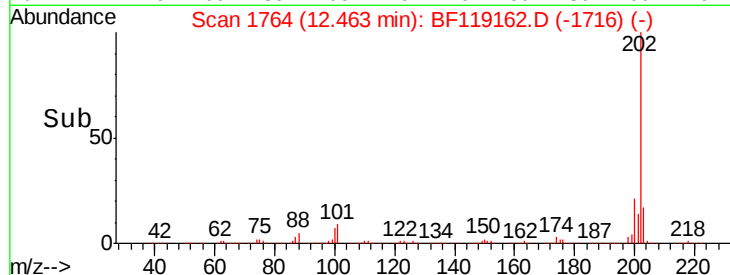
203 17.3 0.0 38.4



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: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

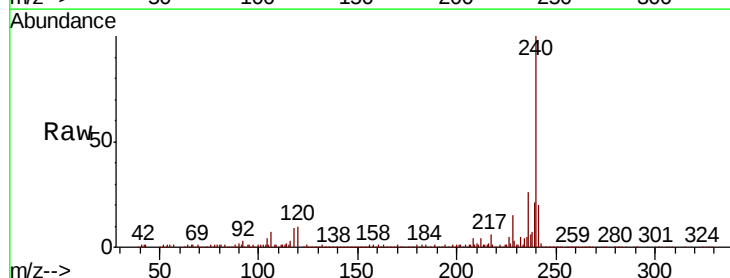
Tgt Ion:240 Resp: 351904

Ion Ratio Lower Upper

240 100

120 9.8 8.4 12.6

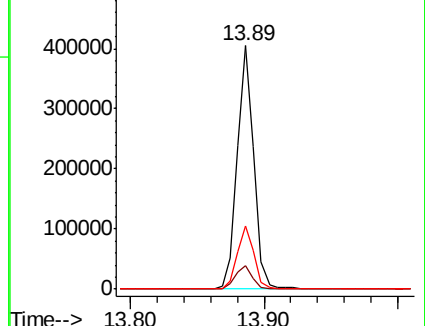
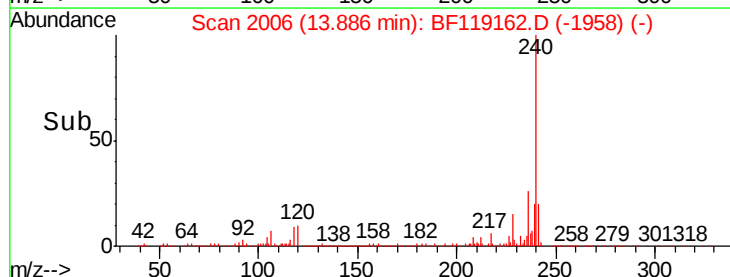
236 25.8 21.0 31.4

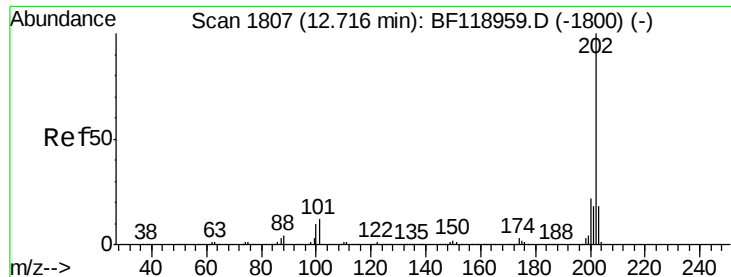


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

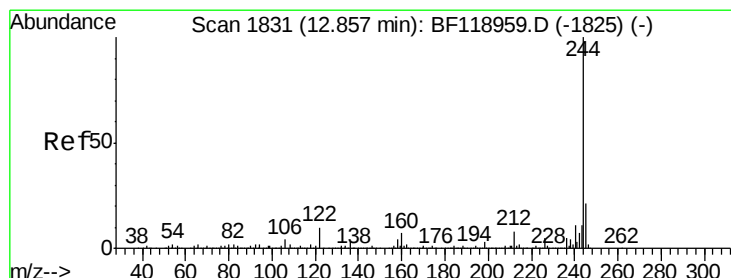
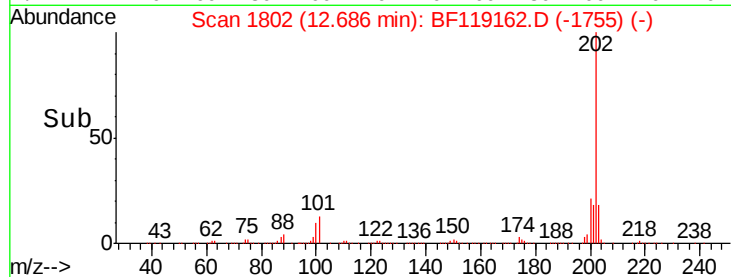
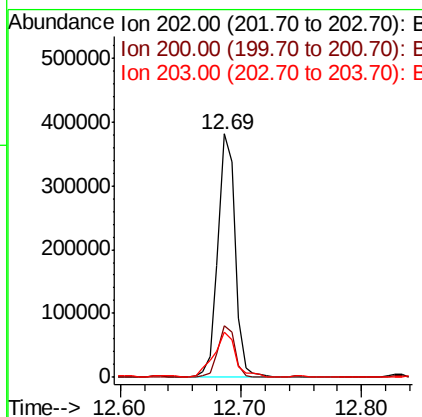
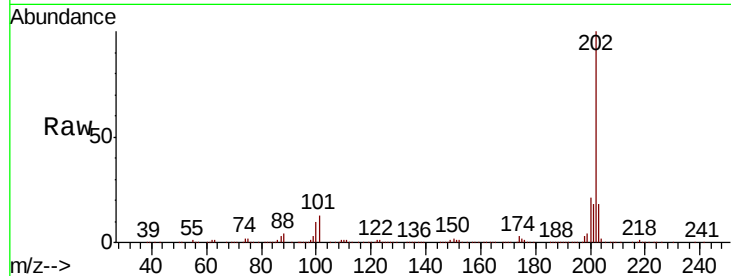




#78
 Pvrene
 Concen: 13.221 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. -0.02 min
 Lab File: BF119162.D
 Acq: 29 Feb 2020 17:00

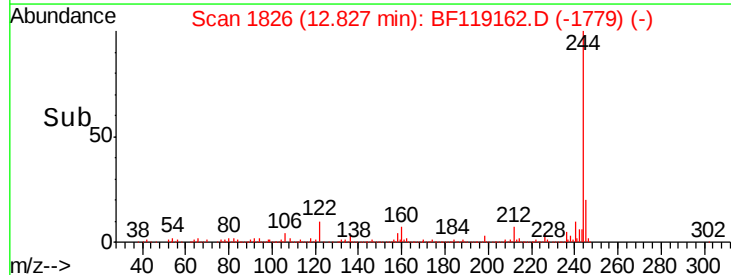
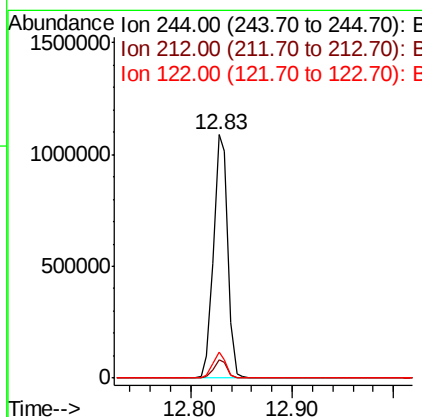
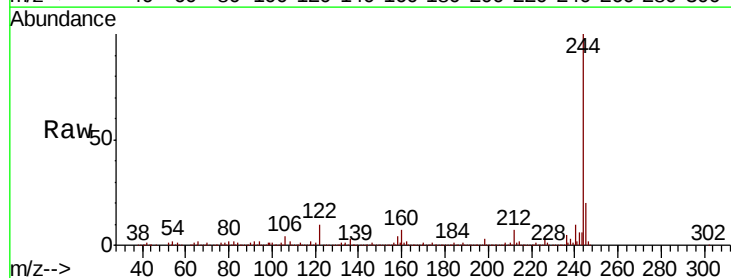
Instrument :
 BNA_F
 ClientSampleId :

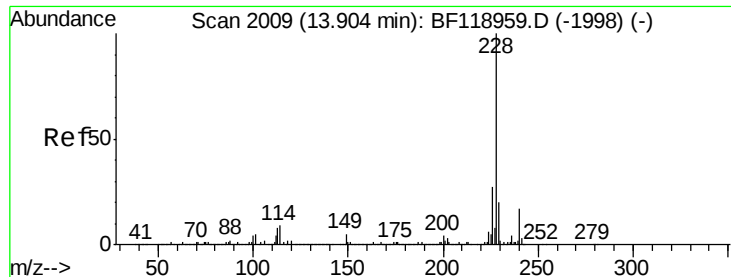
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.0	27.0
203	18.3	14.6	22.0



#79
 Terphenyl-d14
 Concen: 52.136 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF119162.D
 Acq: 29 Feb 2020 17:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.6	10.0
122	10.4	8.2	12.2





#81

Benzo(a)anthracene

Concen: 9.295 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

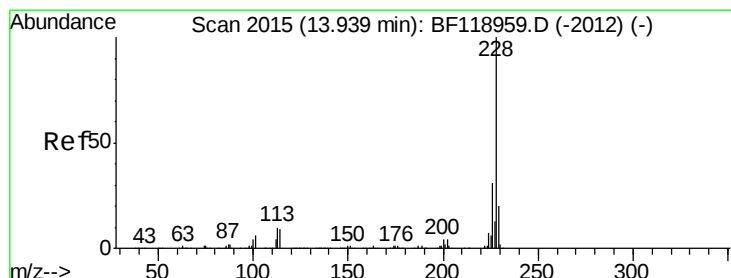
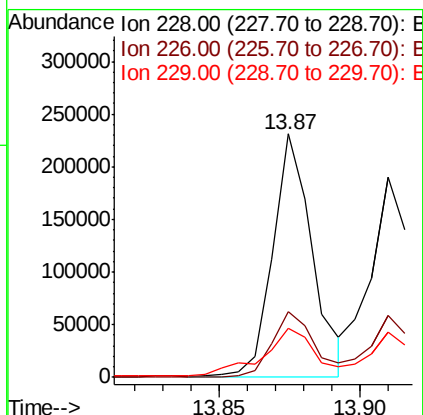
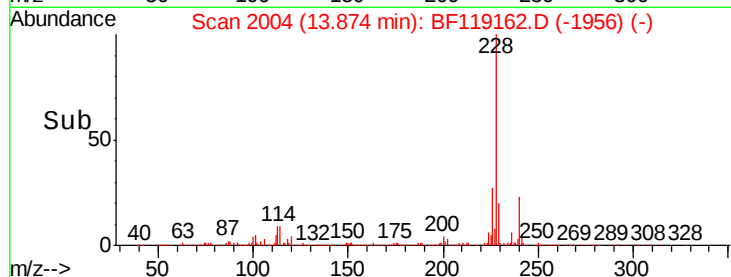
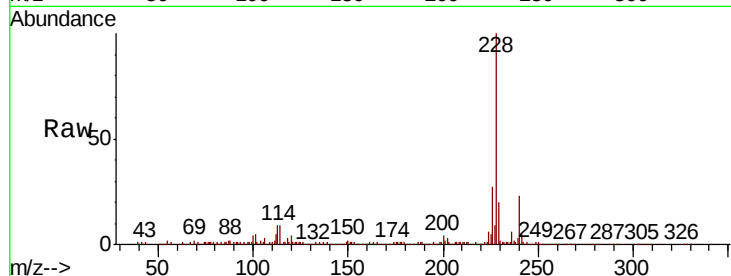
Tot Ion:228 Resp: 222878

Ion Ratio Lower Upper

228 100

226 27.0 22.6 33.8

229 20.3 16.6 24.8



#83

Chrysene

Concen: 7.831 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

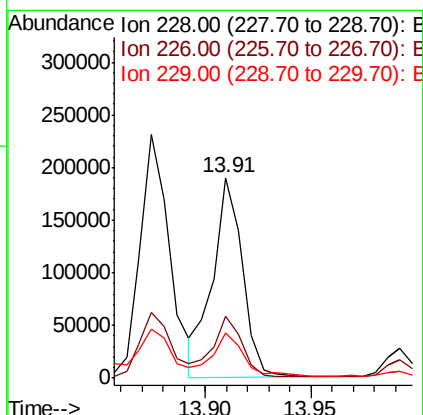
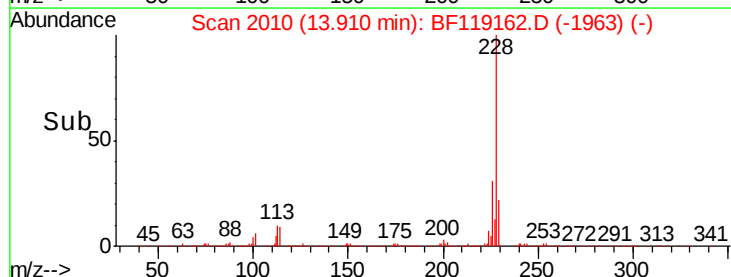
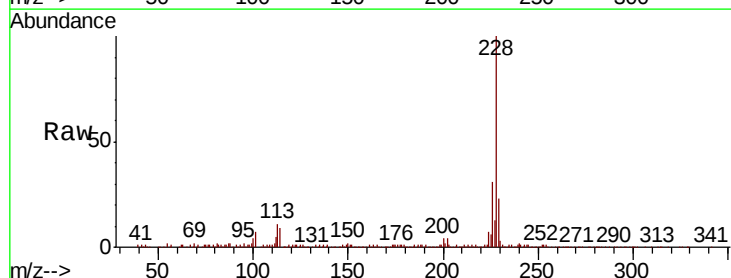
Tgt Ion:228 Resp: 187093

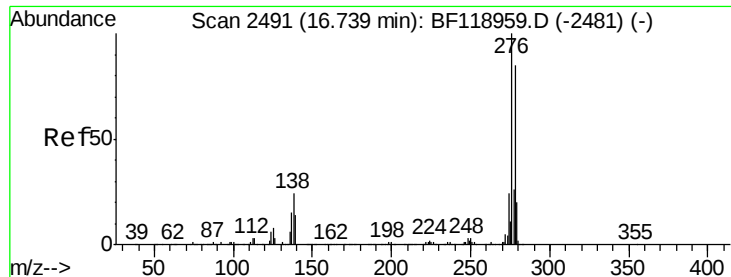
Ion Ratio Lower Upper

228 100

226 30.9 25.1 37.7

229 22.8 16.3 24.5

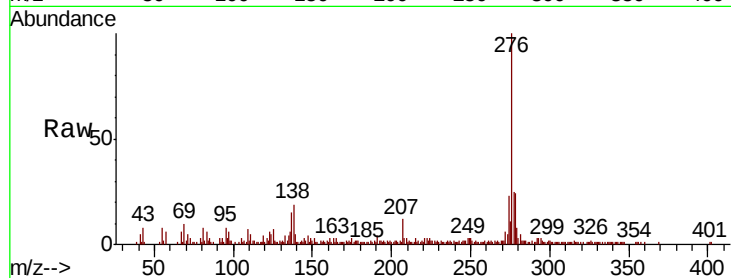




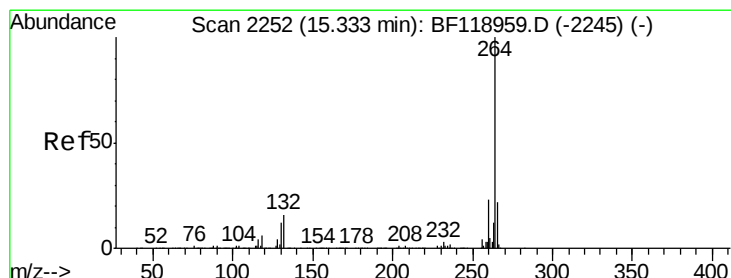
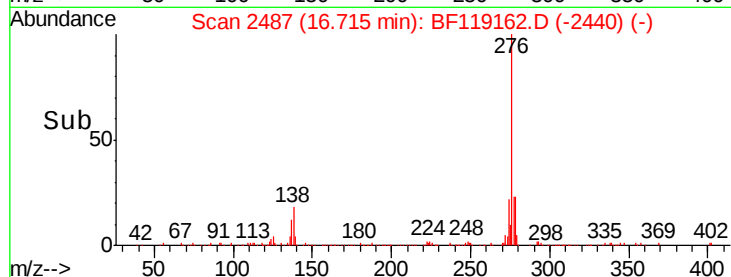
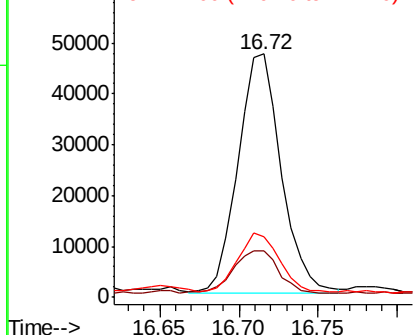
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.877 ng
 RT: 16.72 min Scan# 2487
 Delta R.T. -0.02 min
 Lab File: BF119162.D
 Acq: 29 Feb 2020 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 89682
 Ion Ratio Lower Upper
 276 100
 138 19.9 17.4 26.0
 277 23.1 20.3 30.5

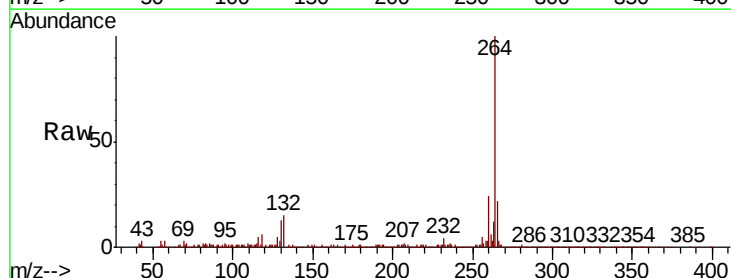


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

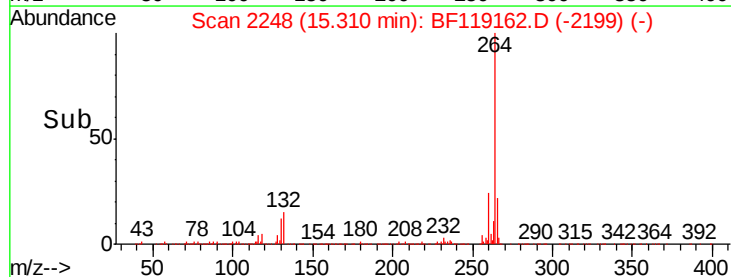
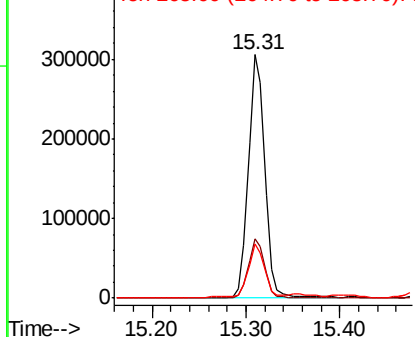


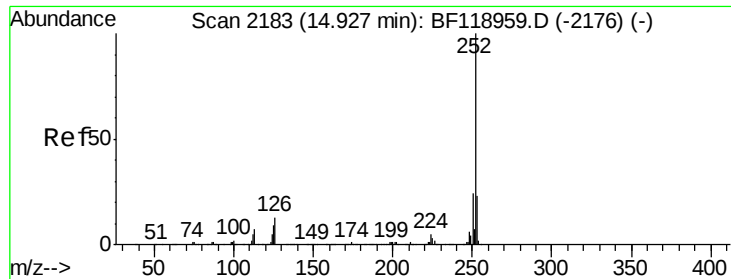
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BF119162.D
 Acq: 29 Feb 2020 17:00

Tgt Ion:264 Resp: 368491
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 22.4 17.7 26.5



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

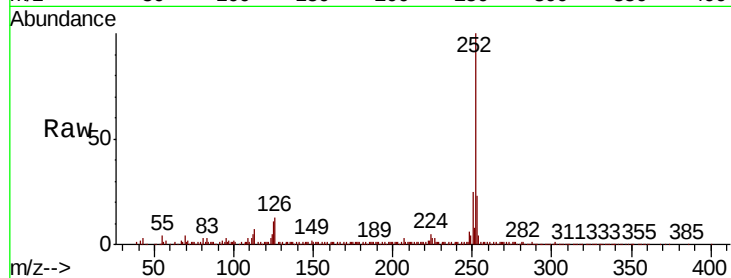




#88
Benzo(b)fluoranthene
Concen: 13.594 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119162.D
Acq: 29 Feb 2020 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	10.5	7.4	11.0

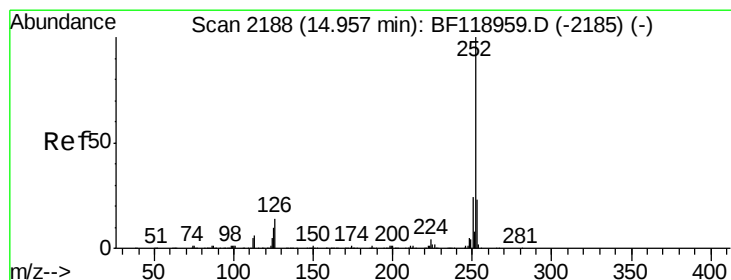
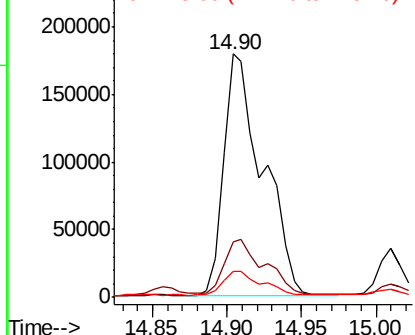
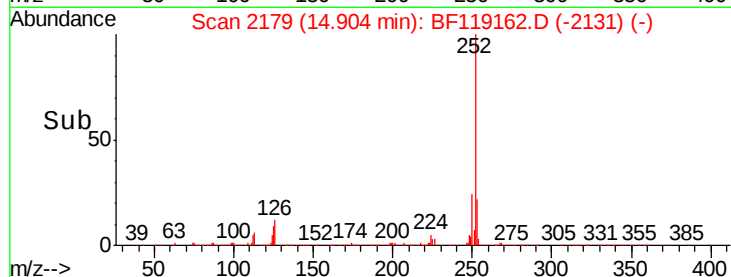


Abundance

Ion 252.00 (251.70 to 252.70): E

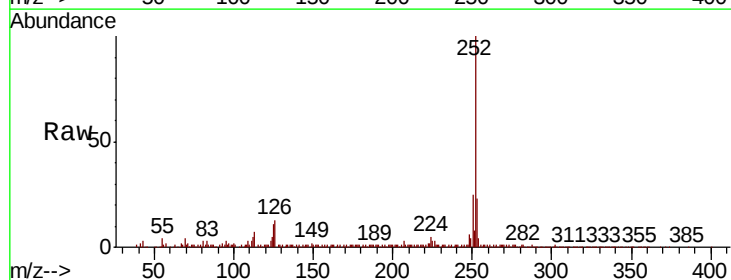
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 14.669 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.05 min
Lab File: BF119162.D
Acq: 29 Feb 2020 17:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	10.5	7.5	11.3

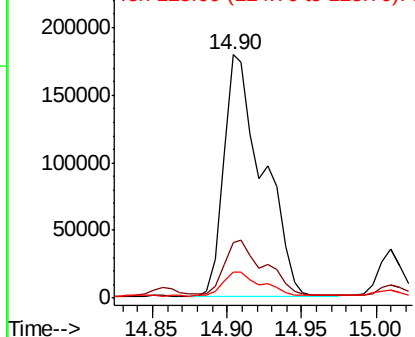
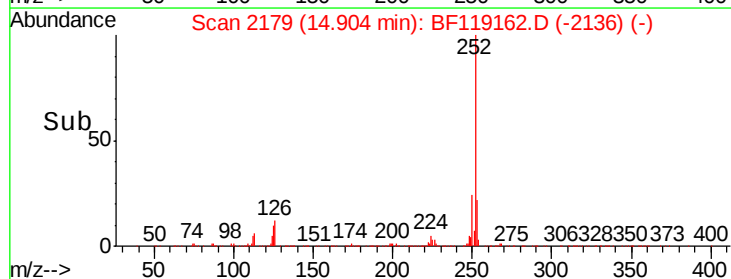


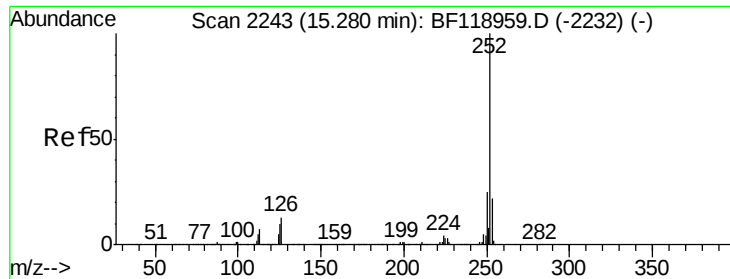
Abundance

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





#90

Benzo(a)pyrene

Concen: 7.611 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

Instrument :

BNA_F

ClientSampleId :

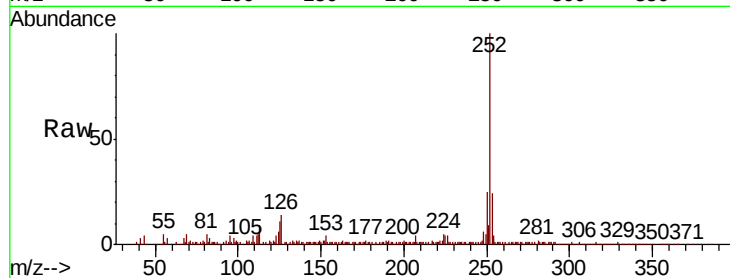
Tot Ion:252 Resp: 166850

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

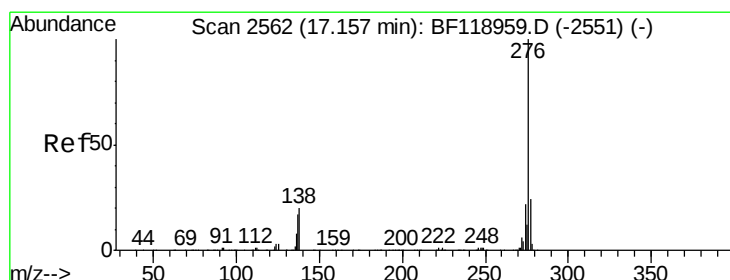
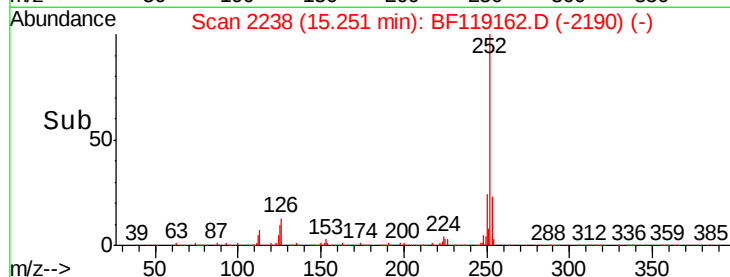
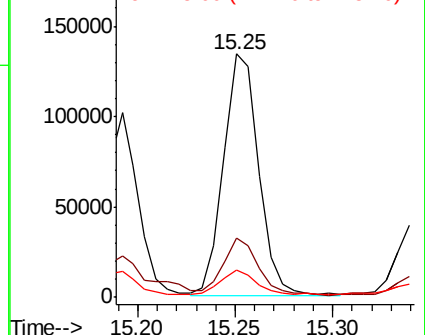
125 11.1 8.6 12.8



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



#92

Benzo(g,h,i)perylene

Concen: 4.273 ng

RT: 17.13 min Scan# 2558

Delta R.T. -0.02 min

Lab File: BF119162.D

Acq: 29 Feb 2020 17:00

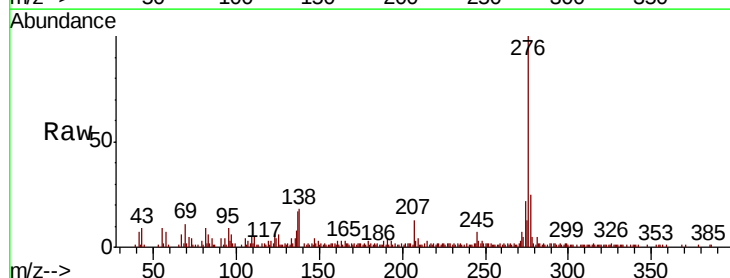
Tgt Ion:276 Resp: 81442

Ion Ratio Lower Upper

276 100

277 25.5 18.7 28.1

138 18.3 14.3 21.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

