

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
 Data File : BF119325.D
 Acq On : 10 Mar 2020 19:21
 Operator : CG/JU
 Sample : L1852-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Quant Time: Mar 11 05:05:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	111578	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	407297	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	194395	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	291412	20.00	ng	0.00
76) Chrysene-d12	13.89	240	234036	20.00	ng	0.00
87) Perylene-d12	15.32	264	204846	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	612765	91.78	ng	0.00
7) Phenol-d6	6.38	99	741166	91.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	479842	62.20	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	175398	68.97	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	892087	67.60	ng	0.00
79) Terphenyl-d14	12.83	244	814397	59.91	ng	0.00

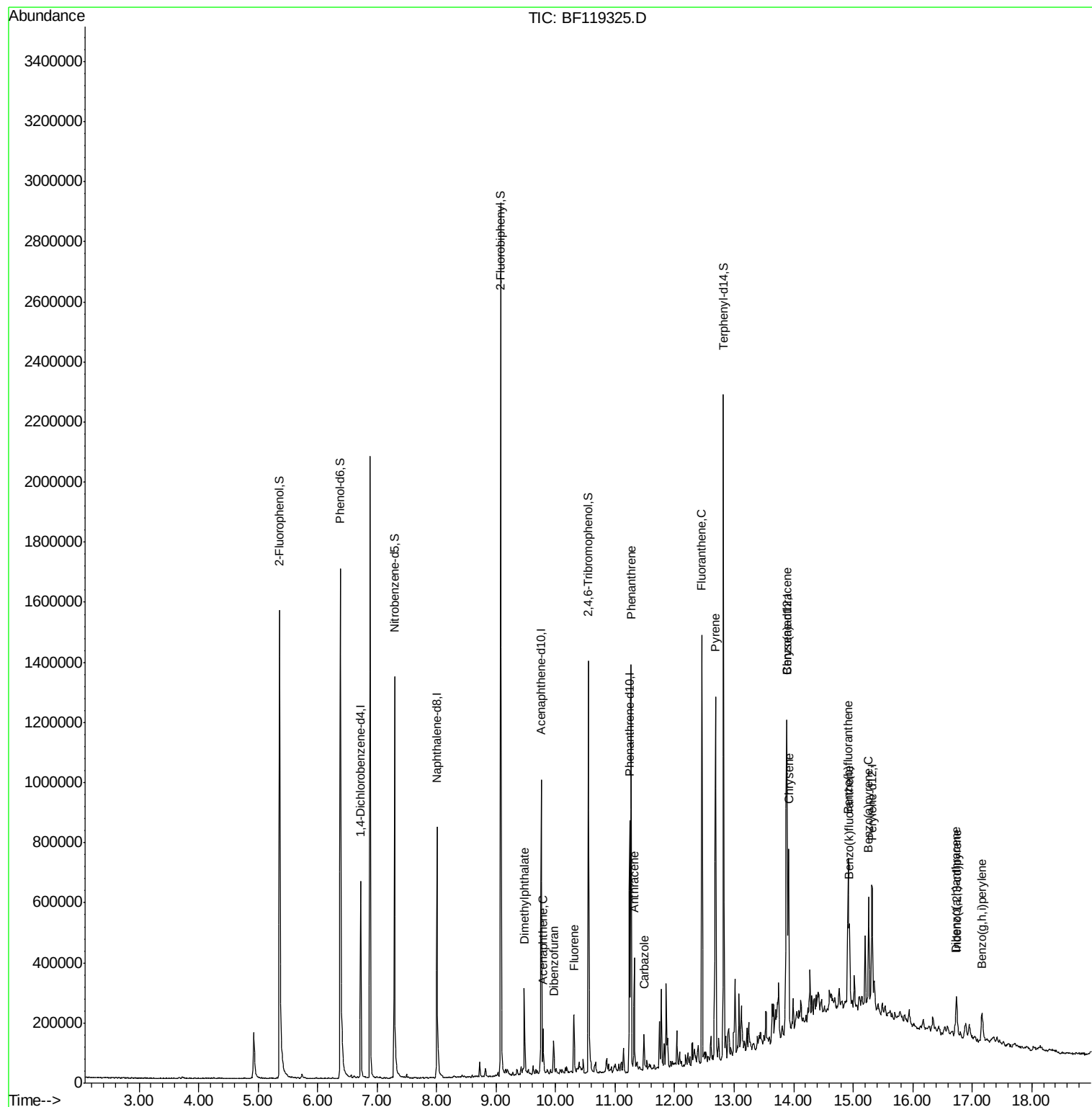
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.48	163	133986	9.014	ng	98
52) Acenaphthene	9.79	154	31379	2.846	ng	100
55) Dibenzofuran	9.97	168	45582	2.770	ng	92
58) Fluorene	10.31	166	60155	4.704	ng	99
71) Phenanthrene	11.27	178	481204	30.279	ng	97
72) Anthracene	11.32	178	142087	8.948	ng	97
73) Carbazole	11.49	167	47415	3.352	ng	99
75) Fluoranthene	12.46	202	607667	36.022	ng	98
78) Pyrene	12.69	202	506415	26.947	ng	98
81) Benzo(a)anthracene	13.88	228	305699	19.170	ng	98
83) Chrysene	13.92	228	260291	16.382	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	88705	5.766	ng	96
88) Benzo(b)fluoranthene	14.92	252	277781m	20.573	ng	
89) Benzo(k)fluoranthene	14.94	252	99143m	7.923	ng	
90) Benzo(a)pyrene	15.26	252	184795	15.164	ng	99
91) Dibenzo(a,h)anthracene	16.73	278	24152	2.252	ng	# 88
92) Benzo(a,h,i)perylene	17.16	276	79905	7.542	ng	94

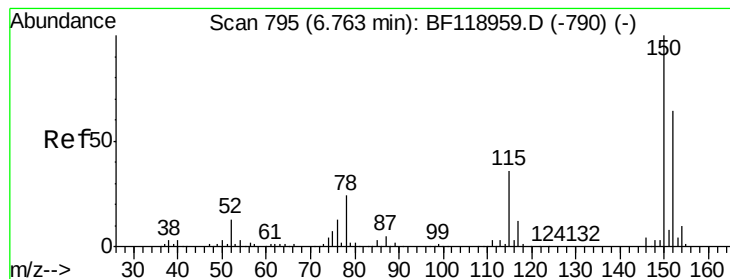
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031020\
Data File : BF119325.D
Acq On : 10 Mar 2020 19:21
Operator : CG/JU
Sample : L1852-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1-S

Quant Time: Mar 11 05:05:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 23:38:46 2020
Response via : Initial Calibration



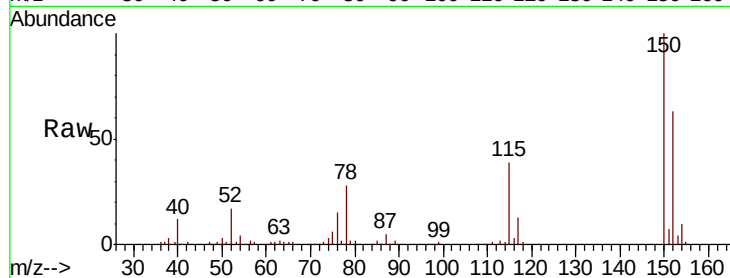


#1

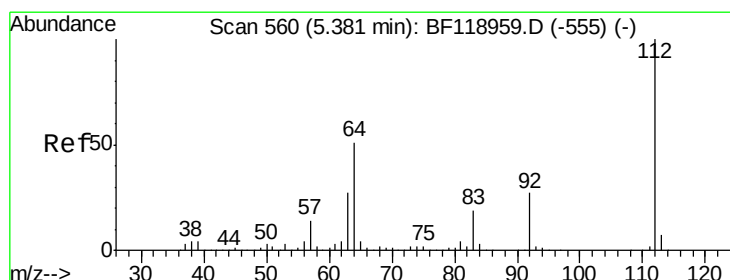
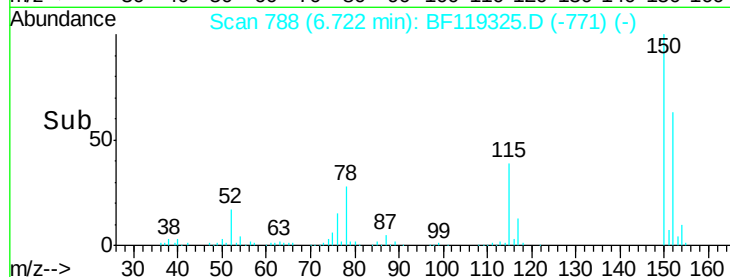
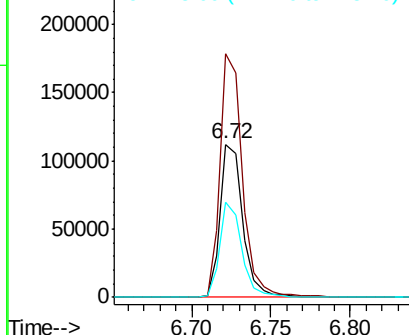
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

Instrument :
BNA_F
ClientSampled :
TP-1-S

Tot Ion:152 Resp: 111578
Ion Ratio Lower Upper
152 100
150 158.8 123.0 184.6
115 62.2 49.5 74.3



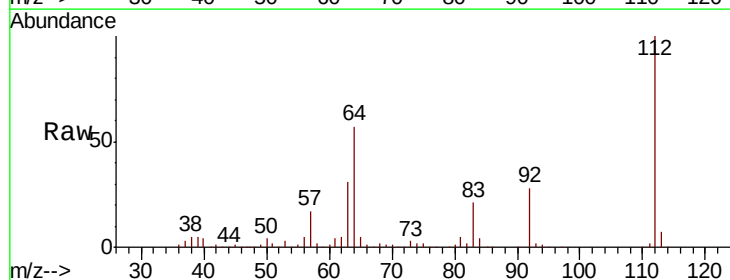
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



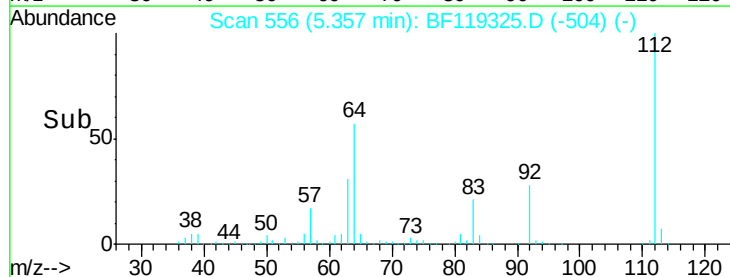
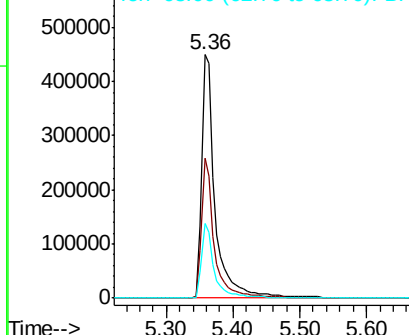
#5

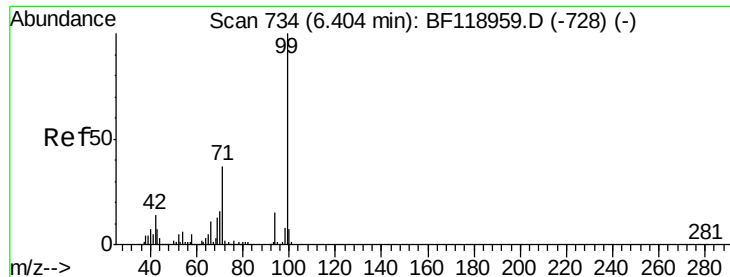
2-Fluorophenol
Concen: 91.778 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

Tgt Ion:112 Resp: 612765
Ion Ratio Lower Upper
112 100
64 57.3 45.0 67.4
63 30.5 24.2 36.4



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: 91.277 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampleId :

TP-1-S

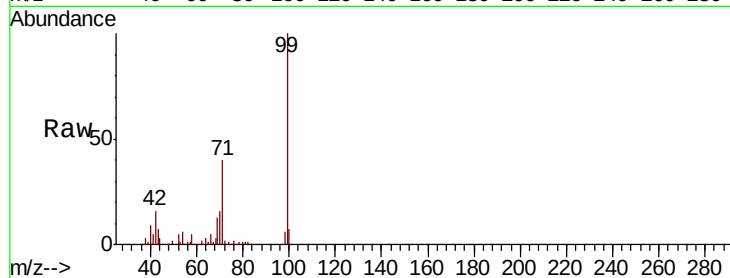
Tot Ion: 99 Resp: 741166

Ion Ratio Lower Upper

99 100

42 15.6 12.6 18.8

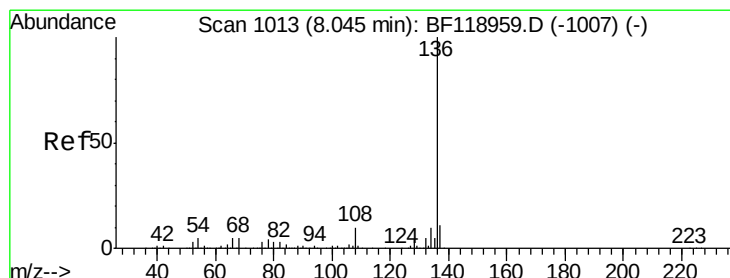
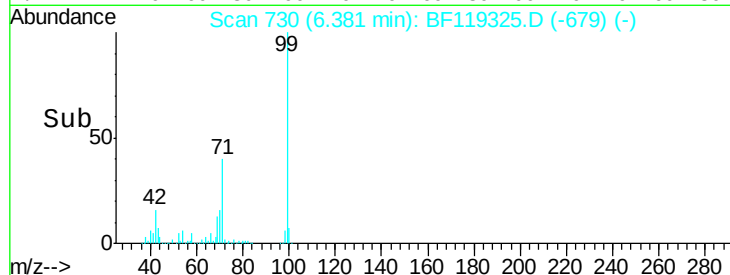
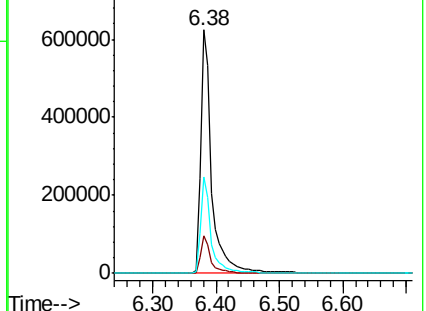
71 39.7 31.0 46.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Tgt Ion: 136 Resp: 407297

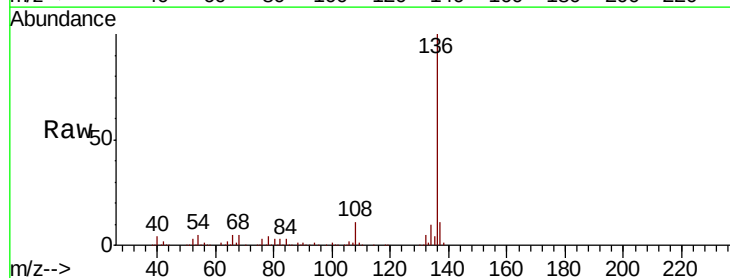
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 5.2 3.8 5.6

68 5.1 3.9 5.9

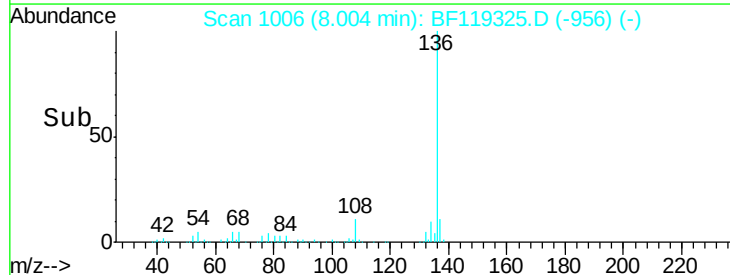
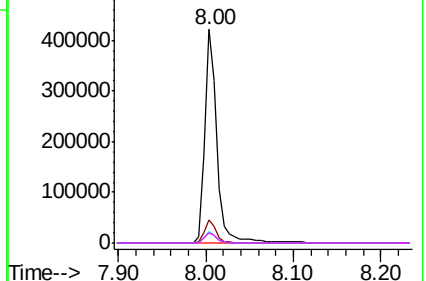


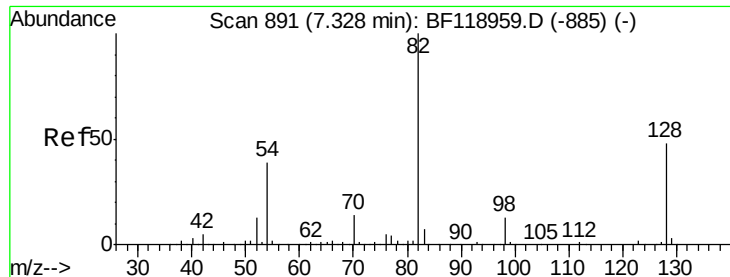
Abundance Ion 136.00 (135.70 to 136.70): E

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

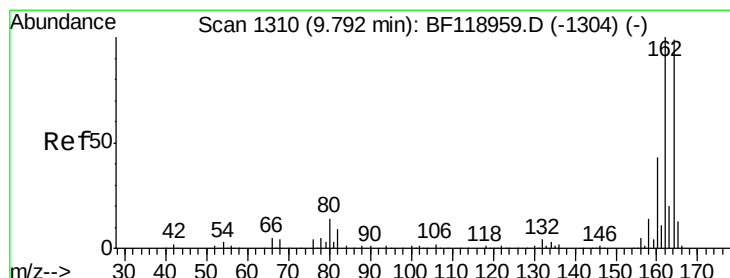
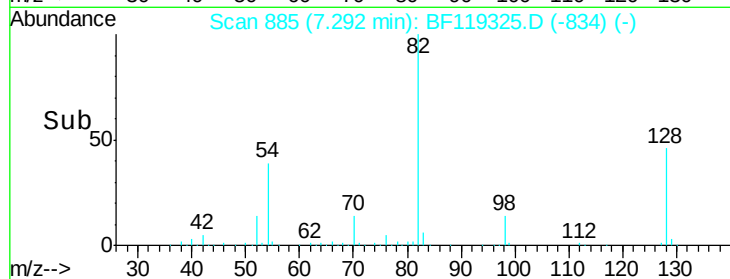
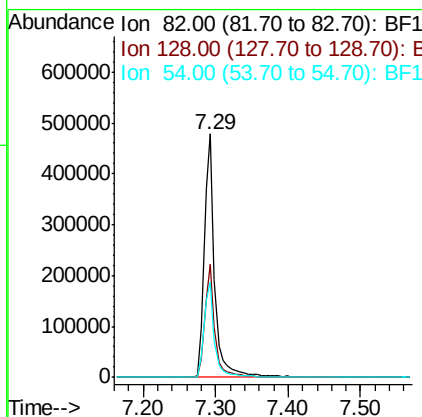
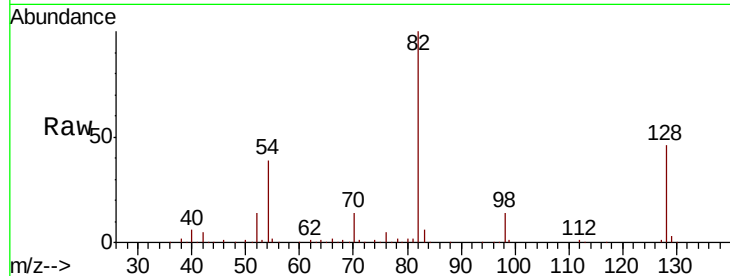




#23
 Nitrobenzene-d5
 Concen: 62.204 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BF119325.D
 Acq: 10 Mar 2020 19:21

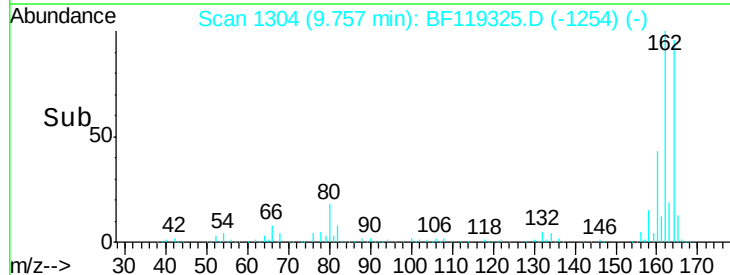
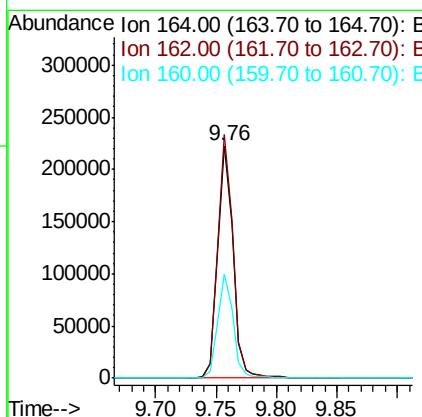
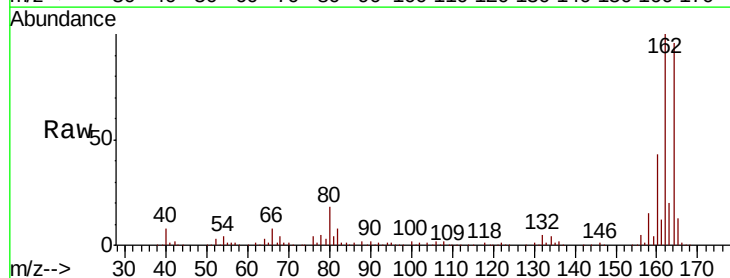
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

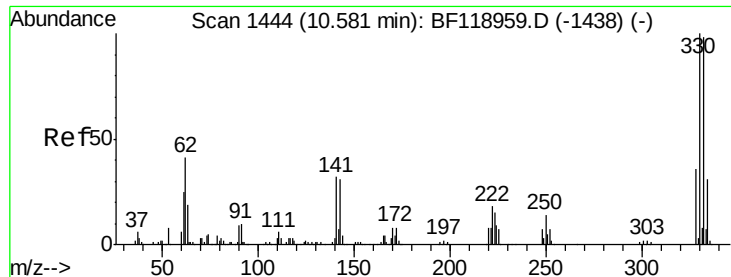
Tot Ion: 82 Resp: 479842
 Ion Ratio Lower Upper
 82 100
 128 46.5 37.9 56.9
 54 39.2 33.4 50.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119325.D
 Acq: 10 Mar 2020 19:21

Tgt Ion: 164 Resp: 194395
 Ion Ratio Lower Upper
 164 100
 162 104.7 81.8 122.8
 160 44.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 68.972 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampleId :

TP-1-S

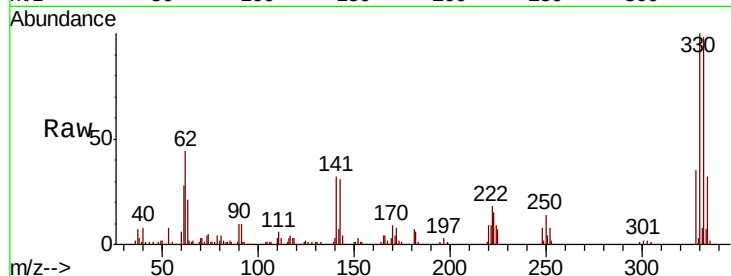
Tot Ion:330 Resp: 175398

Ion Ratio Lower Upper

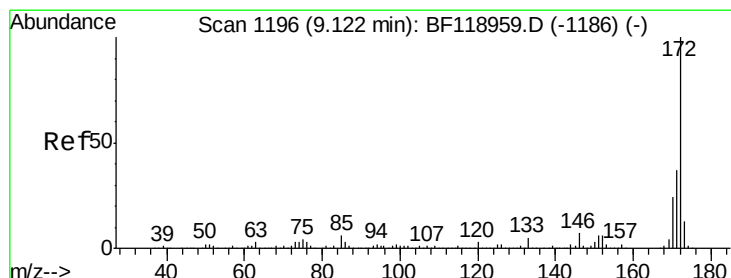
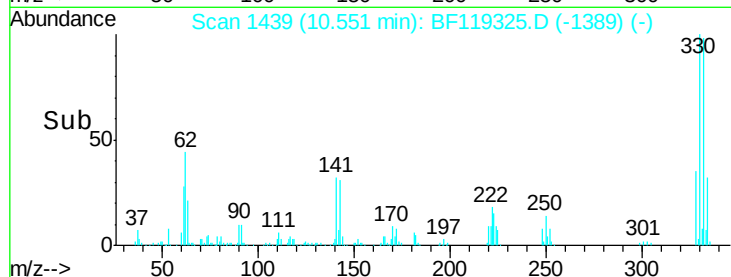
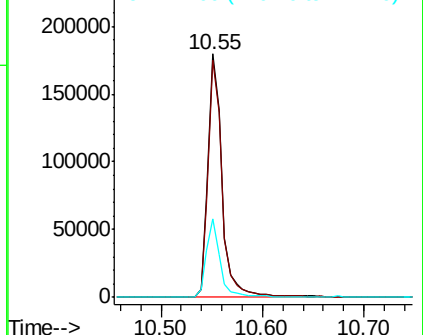
330 100

332 96.8 76.0 114.0

141 31.2 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: 67.605 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

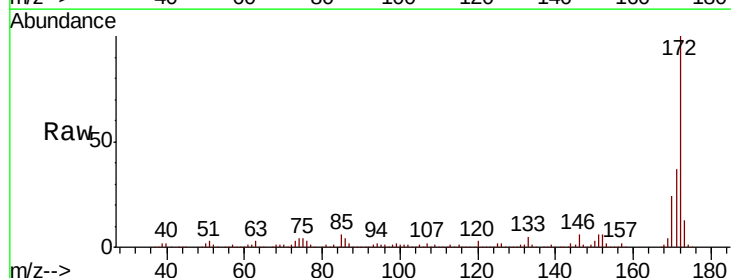
Tgt Ion:172 Resp: 892087

Ion Ratio Lower Upper

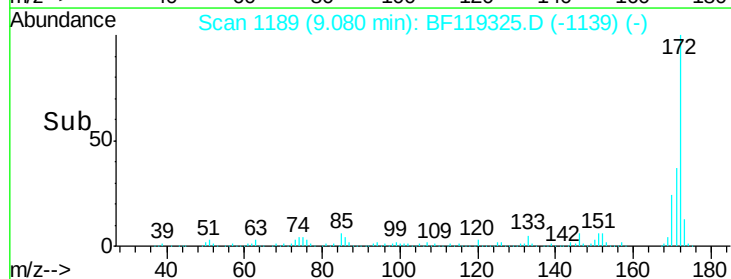
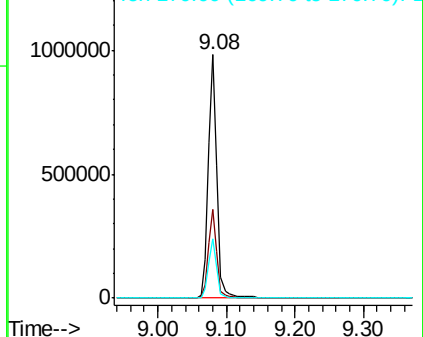
172 100

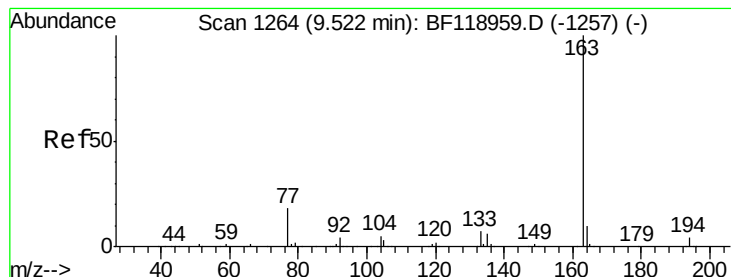
171 36.7 30.6 45.8

170 24.2 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: 9.014 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampleId :

TP-1-S

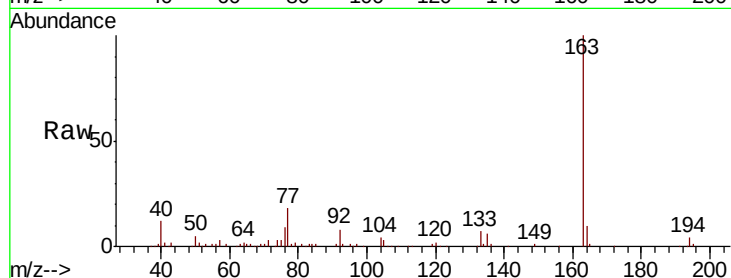
Tot Ion:163 Resp: 133986

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

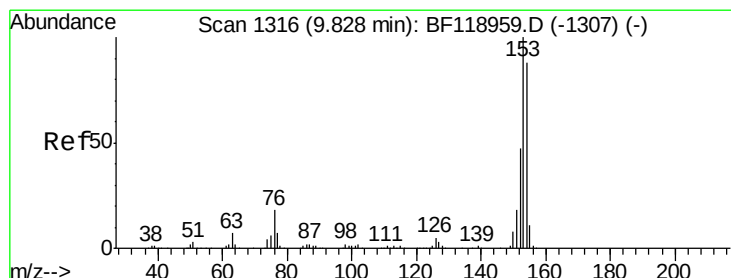
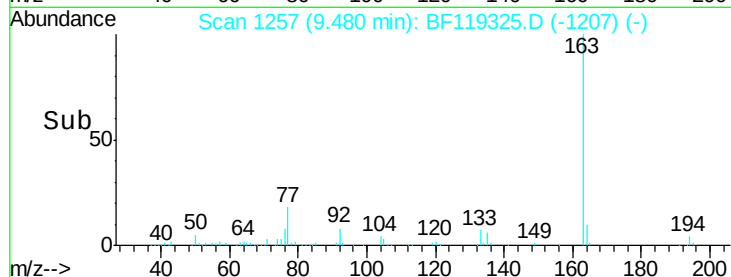
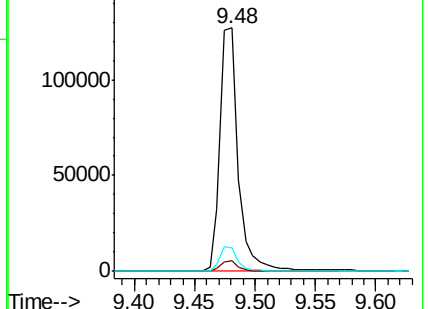
164 9.5 8.4 12.6



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



#52

Acenaphthene

Concen: 2.846 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

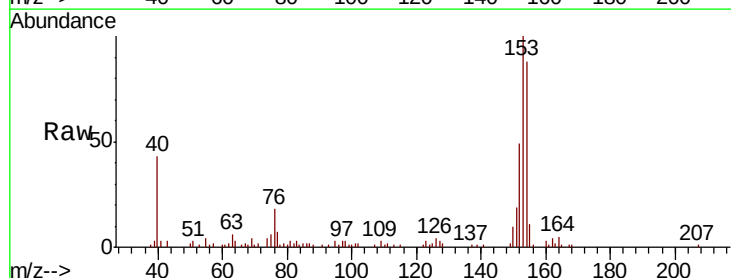
Tgt Ion:154 Resp: 31379

Ion Ratio Lower Upper

154 100

153 113.2 90.3 135.5

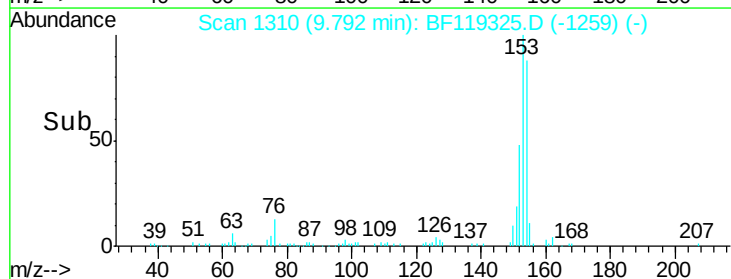
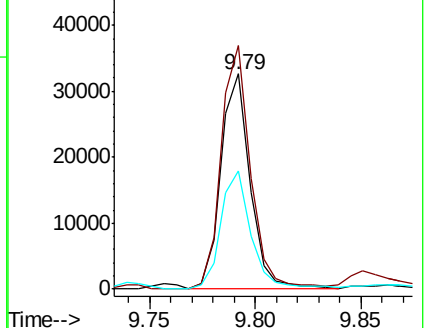
152 55.0 43.8 65.8

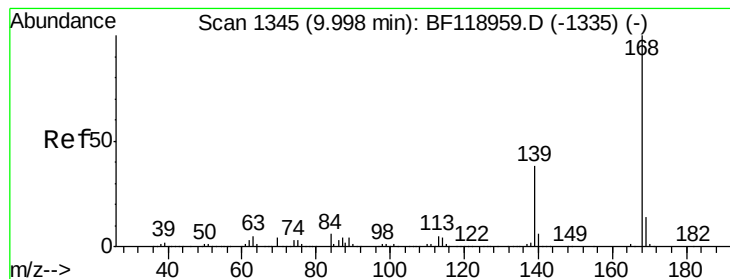


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 2.770 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampleId :

TP-1-S

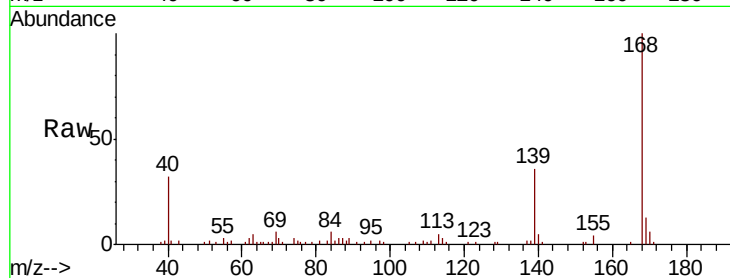
Tot Ion:168 Resp: 45582

Ion Ratio Lower Upper

168 100

139 36.0 34.0 51.0

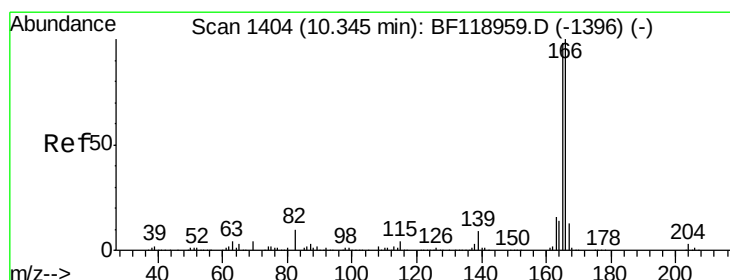
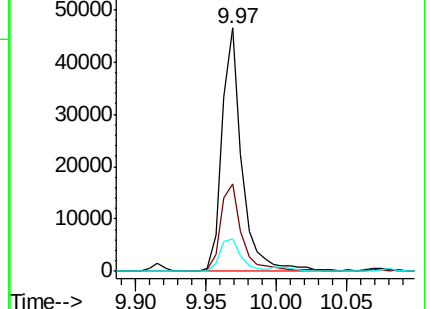
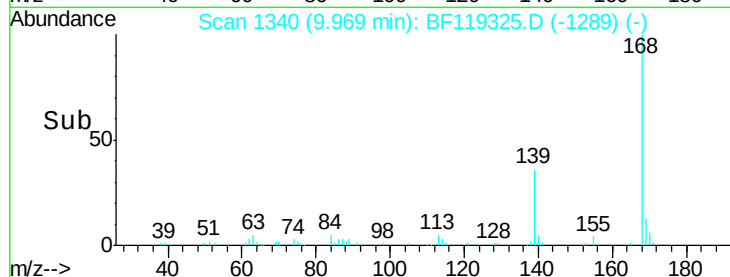
169 13.4 11.0 16.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 4.704 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.00 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

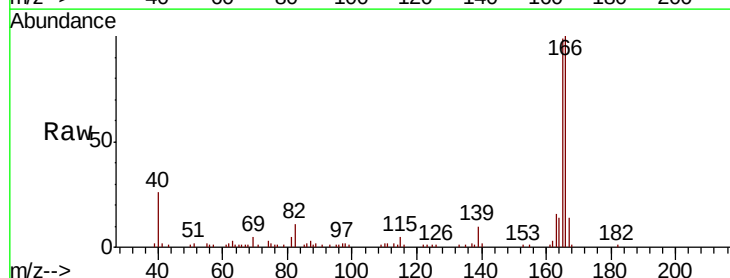
Tgt Ion:166 Resp: 60155

Ion Ratio Lower Upper

166 100

165 98.6 78.5 117.7

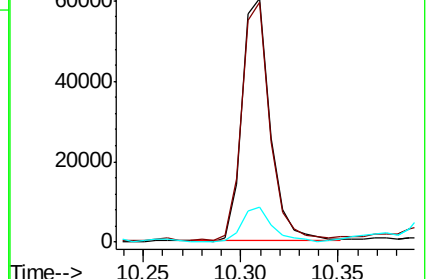
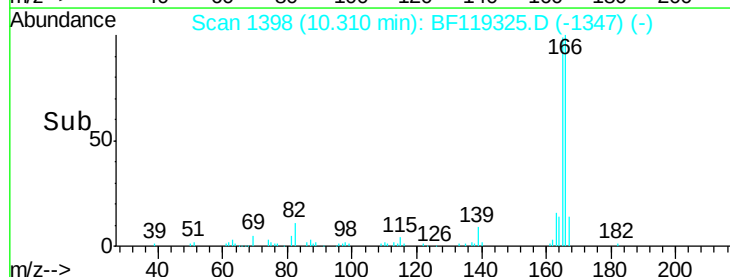
167 14.5 11.0 16.4

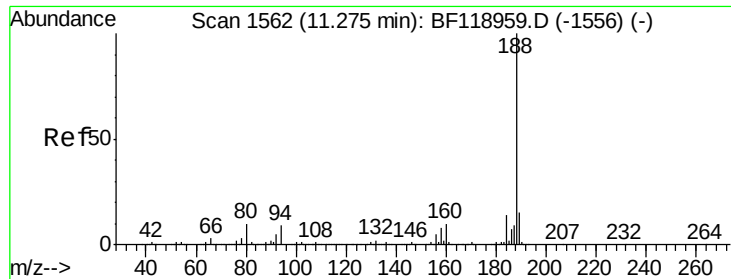


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

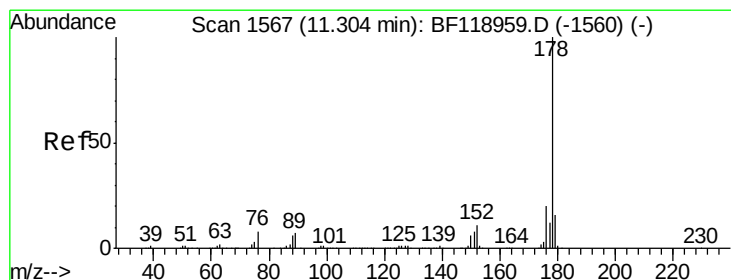
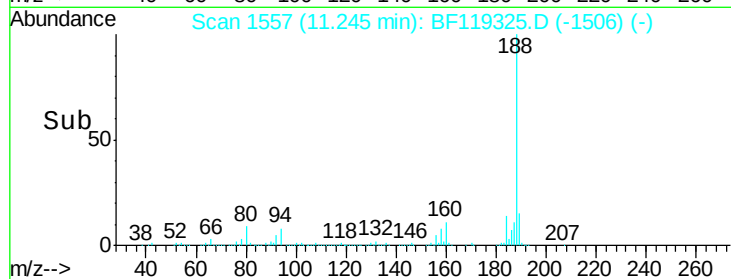
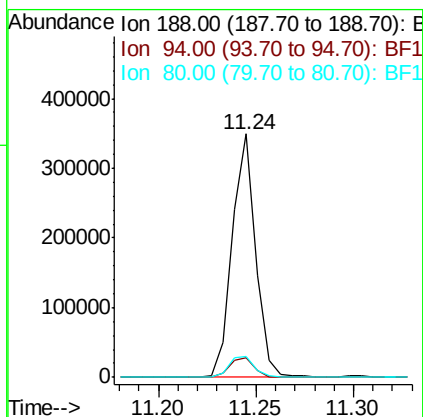
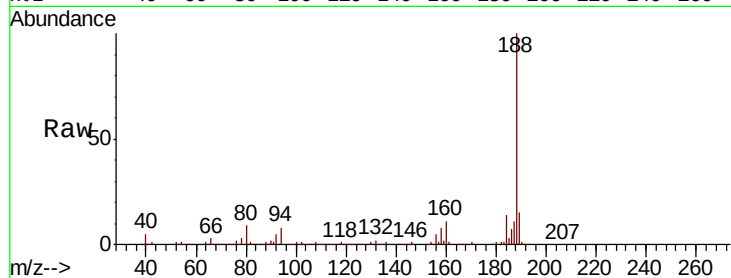




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

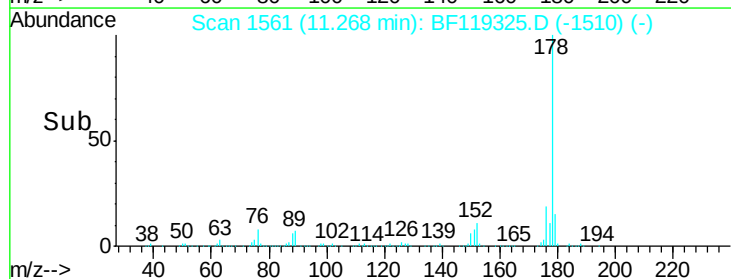
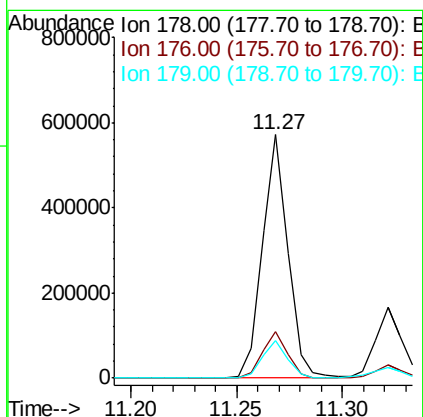
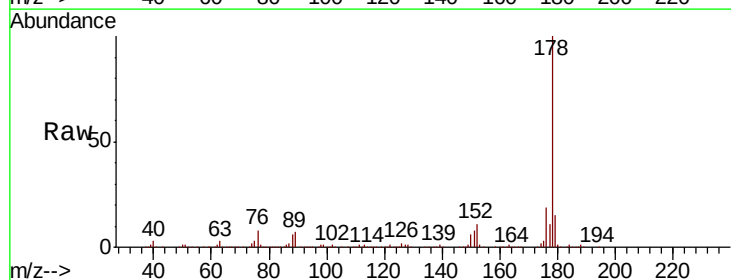
Instrument :
BNA_F
ClientSampleId :
TP-1-S

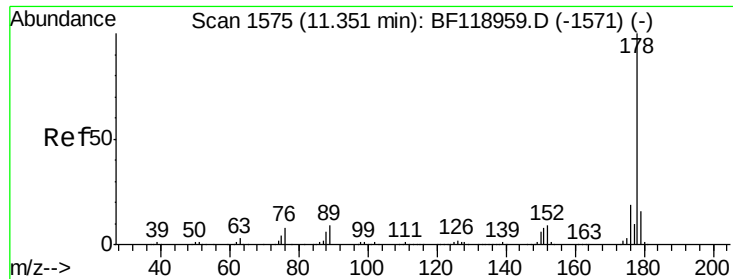
Tot Ion:188 Resp: 291412
Ion Ratio Lower Upper
188 100
94 7.9 7.1 10.7
80 8.8 7.8 11.8



#71
Phenanthrene
Concen: 30.279 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

Tgt Ion:178 Resp: 481204
Ion Ratio Lower Upper
178 100
176 19.2 16.5 24.7
179 15.5 13.0 19.6

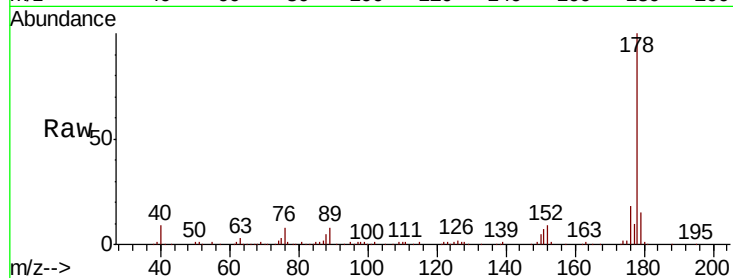




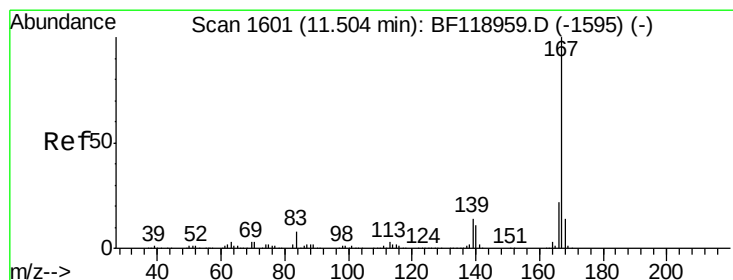
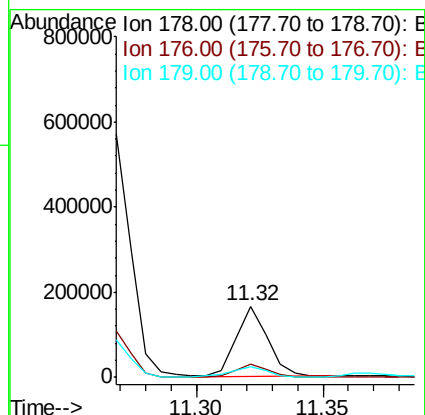
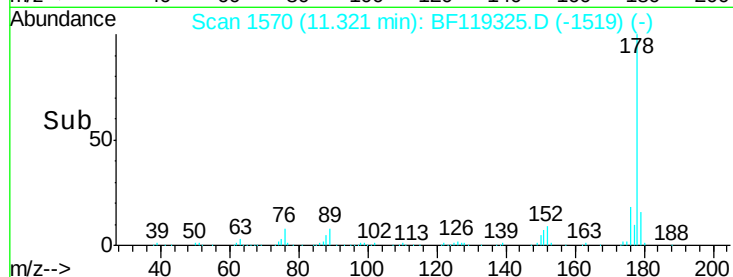
#72
 Anthracene
 Concen: 8.948 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF119325.D
 Acq: 10 Mar 2020 19:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

Tot Ion:178 Resp: 142087
 Ion Ratio Lower Upper
 178 100
 176 18.2 16.0 24.0
 179 15.5 13.1 19.7

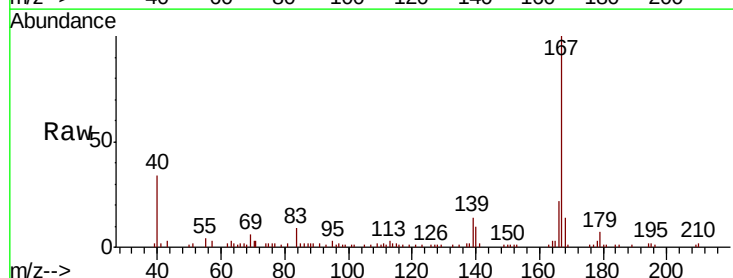


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

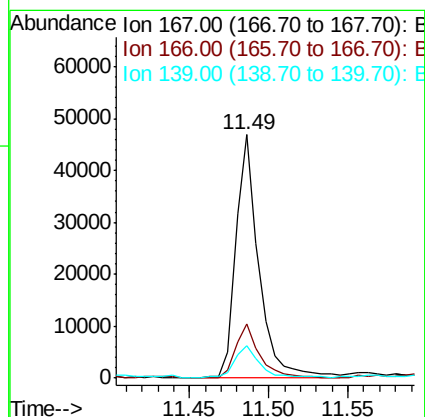
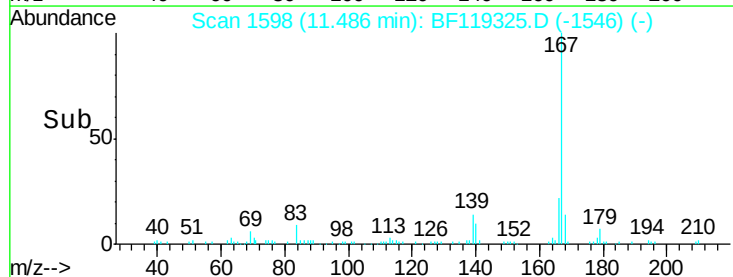


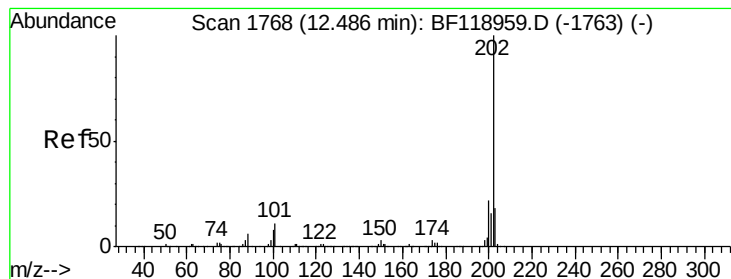
#73
 Carbazole
 Concen: 3.352 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF119325.D
 Acq: 10 Mar 2020 19:21

Tgt Ion:167 Resp: 47415
 Ion Ratio Lower Upper
 167 100
 166 22.5 18.2 27.4
 139 13.5 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 36.022 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

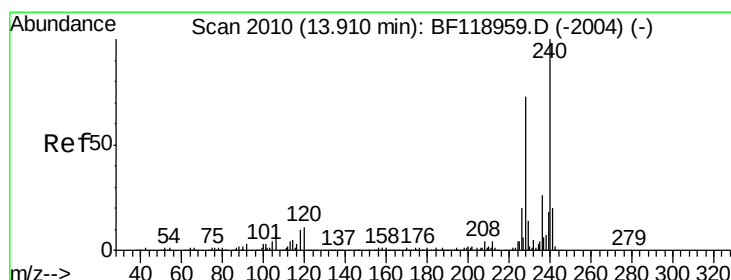
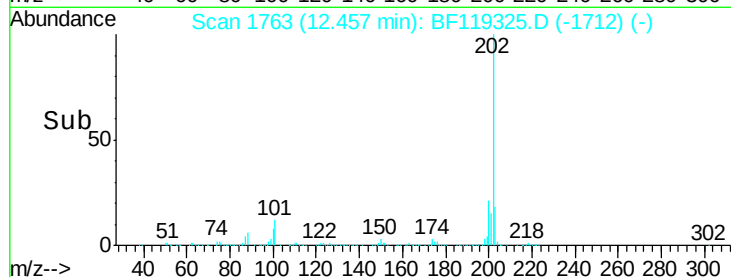
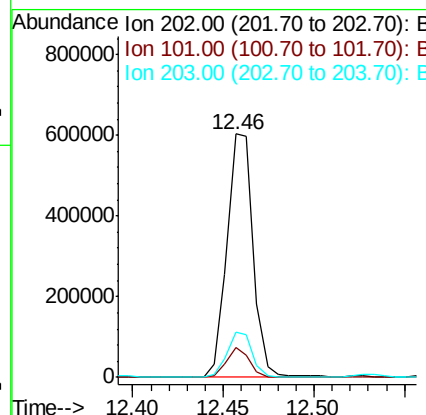
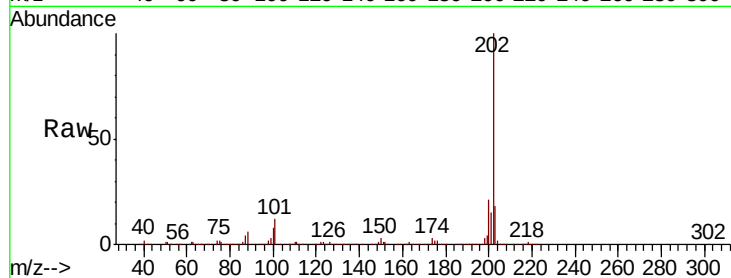
Instrument :

BNA_F

ClientSampleId :

TP-1-S

Tot Ion:202	Resp:	607667
Ion Ratio	Lower	Upper
202	100	
101	12.0	0.0 30.3
203	18.4	0.0 38.4



#76

Chrysene-d12

Concen: 20.000 ng

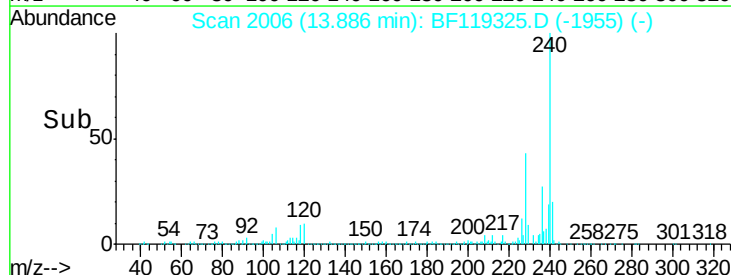
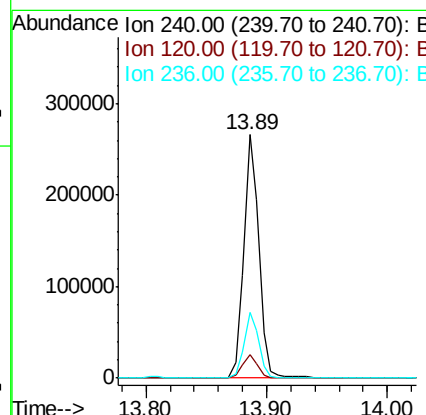
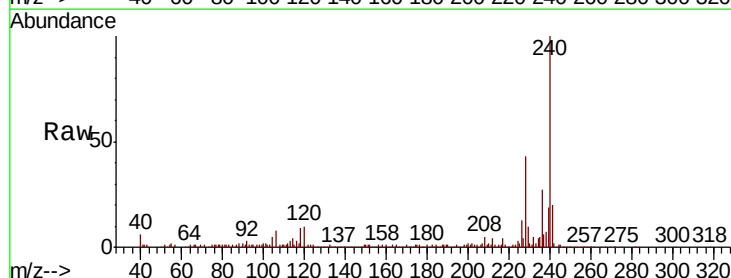
RT: 13.89 min Scan# 2006

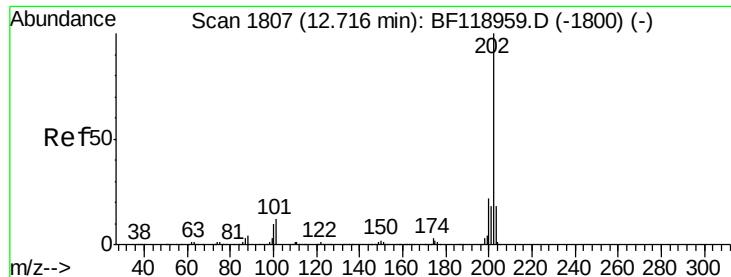
Delta R.T. -0.00 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Tgt Ion:240	Resp:	234036
Ion Ratio	Lower	Upper
240	100	
120	9.9	8.4 12.6
236	27.0	21.0 31.4

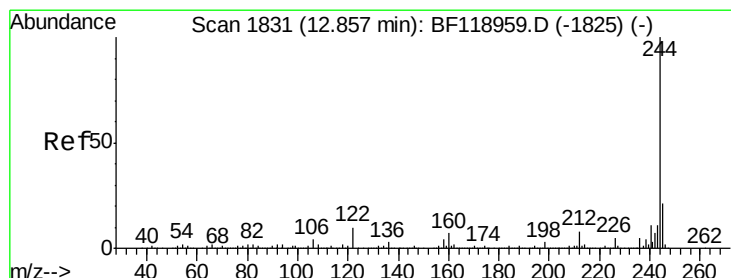
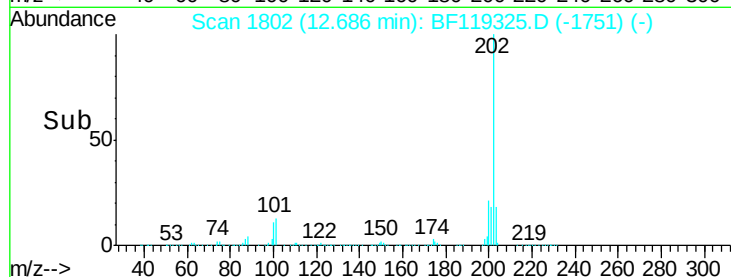
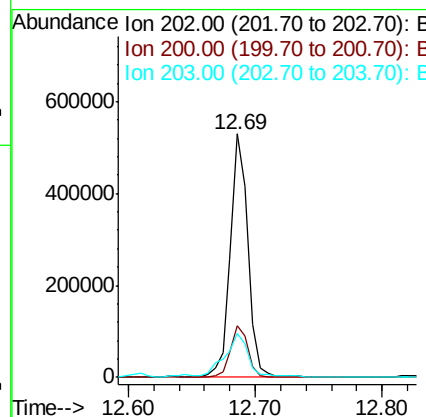
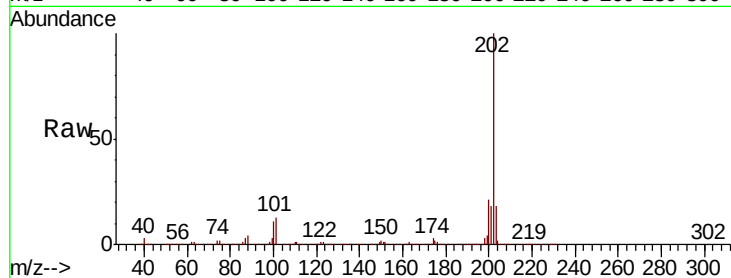




#78
Pvrene
Concen: 26.947 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.00 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

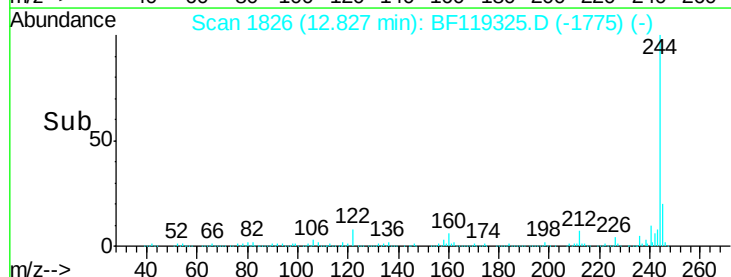
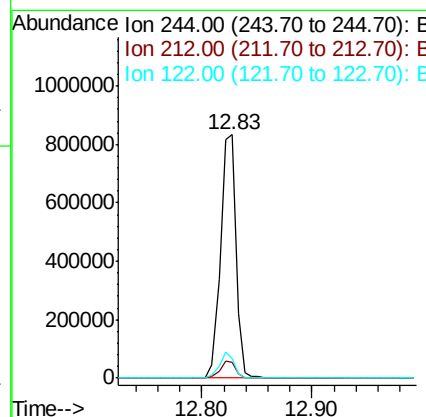
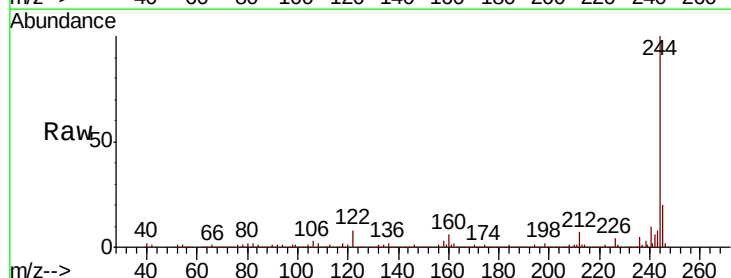
Instrument :
BNA_F
ClientSampleId :
TP-1-S

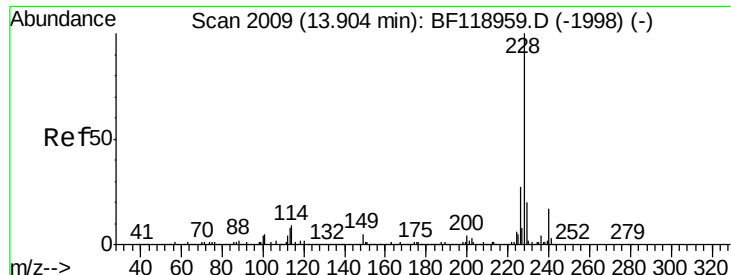
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	17.9	14.6	22.0



#79
Terphenyl-d14
Concen: 59.911 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.6	10.0
122	8.1	8.2	12.2#

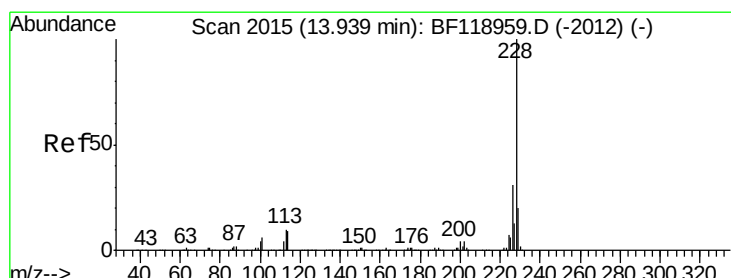
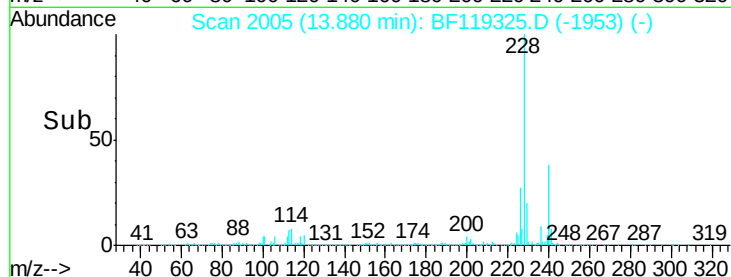
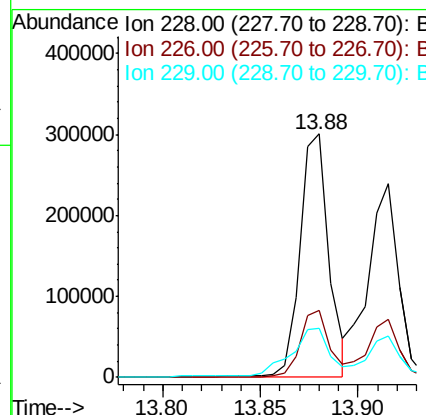
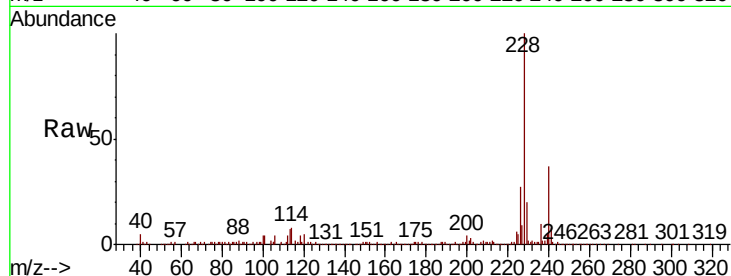




#81
Benzo(a)anthracene
Concen: 19.170 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

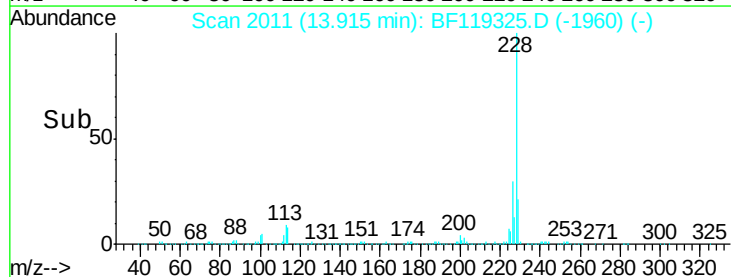
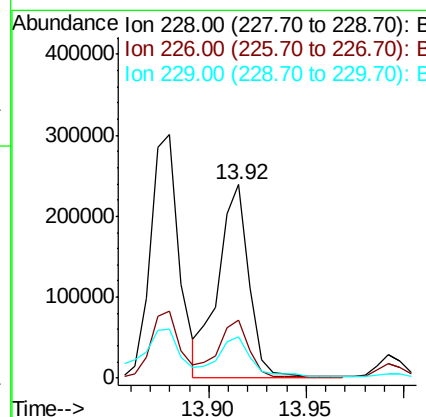
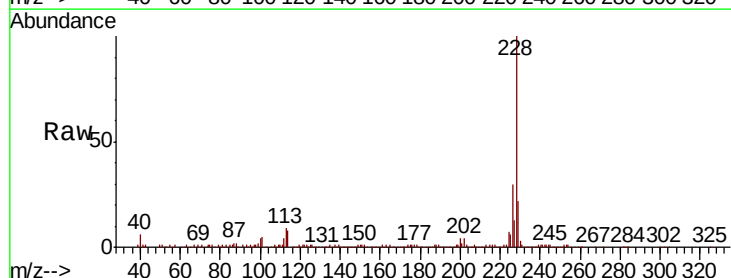
Instrument :
BNA_F
ClientSampleId :
TP-1-S

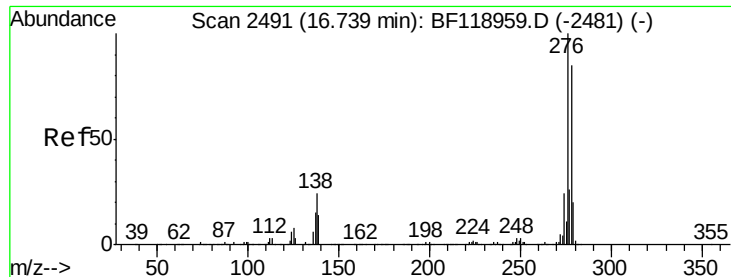
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.0	16.6	24.8



#83
Chrysene
Concen: 16.382 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BF119325.D
Acq: 10 Mar 2020 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.1	37.7
229	21.6	16.3	24.5

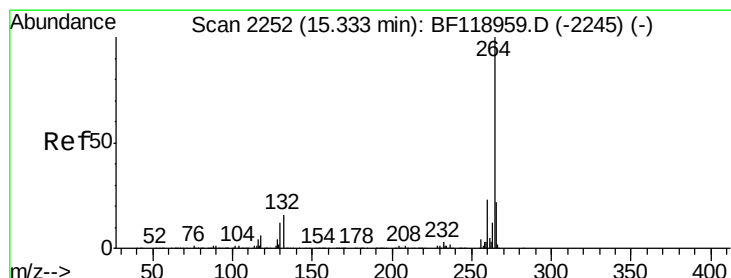
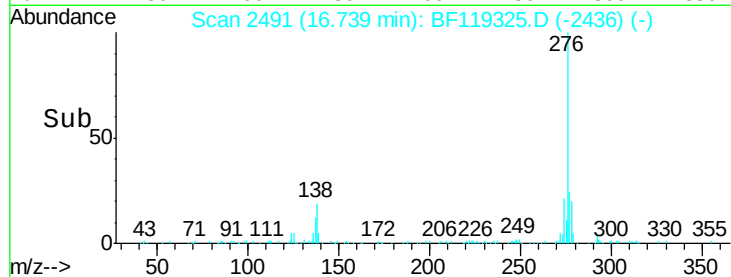
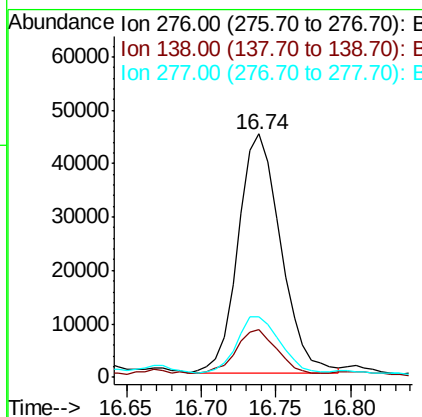
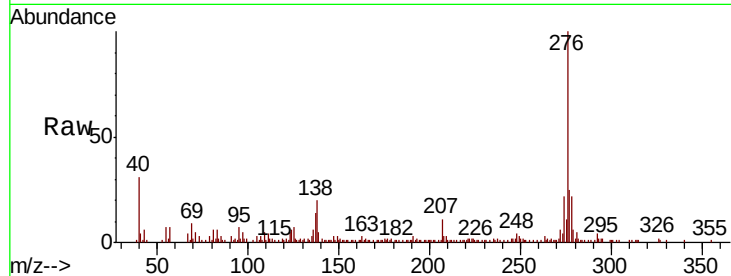




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.766 ng
 RT: 16.74 min Scan# 2491
 Delta R.T. 0.02 min
 Lab File: BF119325.D
 Acq: 10 Mar 2020 19:21

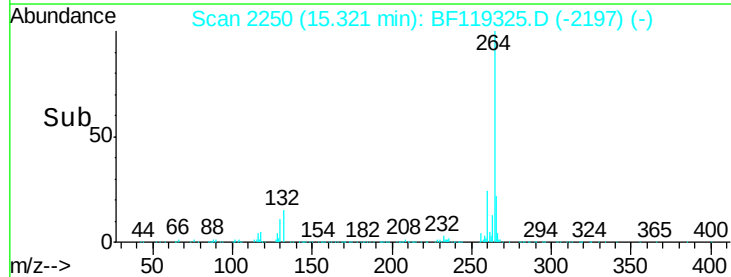
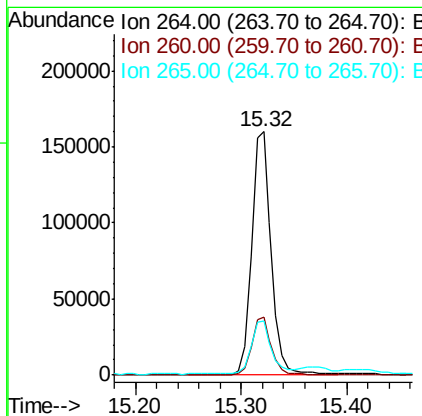
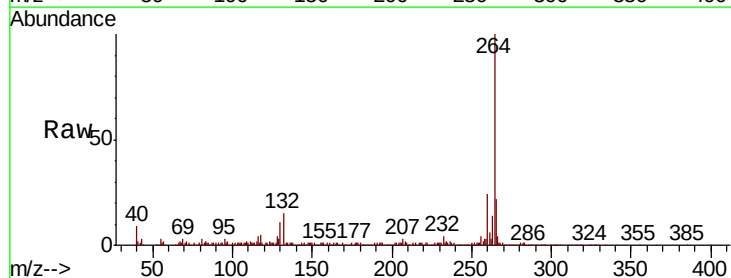
Instrument :
 BNA_F
 ClientSampleId :
 TP-1-S

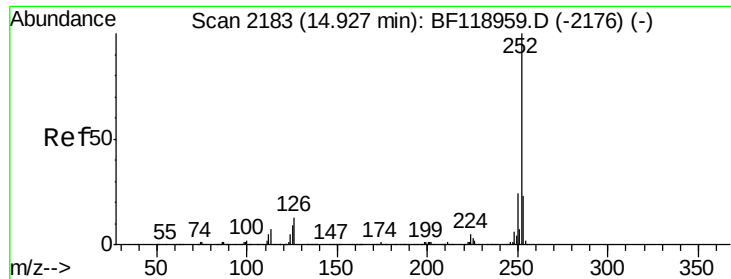
Tot Ion:276 Resp: 88705
 Ion Ratio Lower Upper
 276 100
 138 18.4 17.4 26.0
 277 24.4 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF119325.D
 Acq: 10 Mar 2020 19:21

Tgt Ion:264 Resp: 204846
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.2
 265 22.4 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 20.573 ng m

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampleId :

TP-1-S

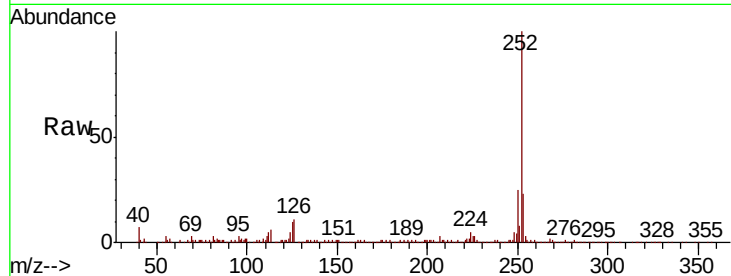
Tot Ion:252 Resp: 277781

Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

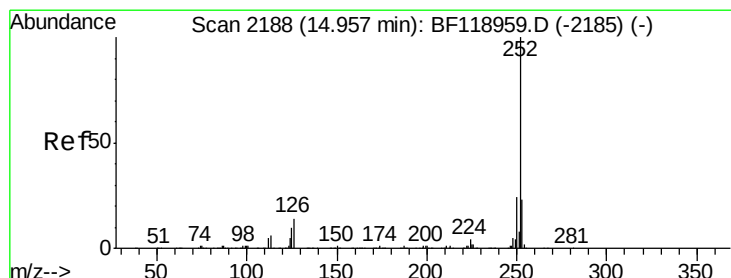
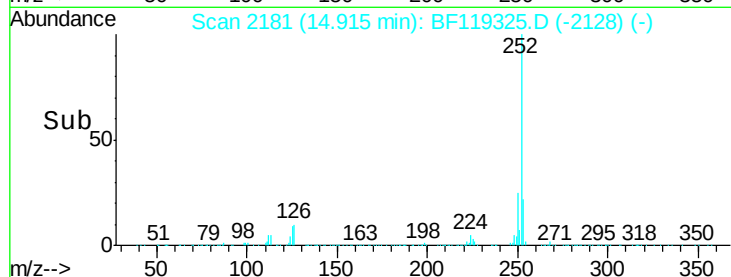
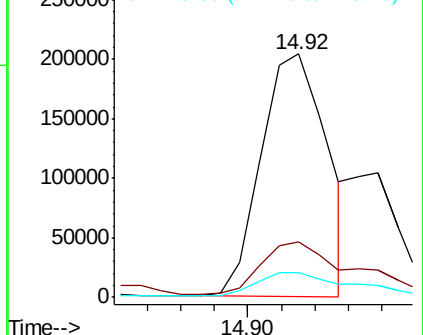
125 10.3 7.4 11.0



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: 7.923 ng m

RT: 14.94 min Scan# 2185

Delta R.T. 0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

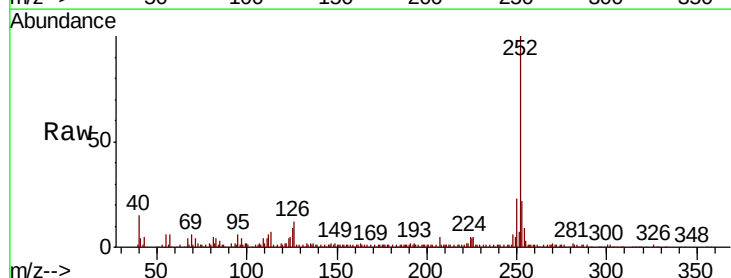
Tgt Ion:252 Resp: 99143

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

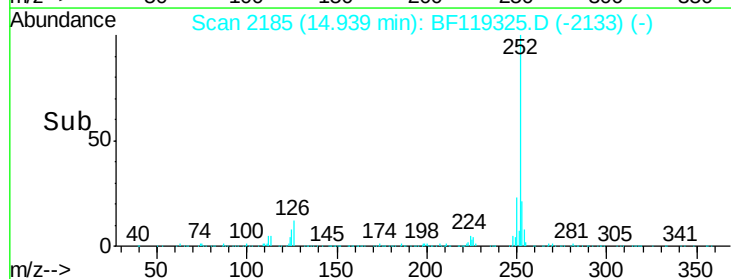
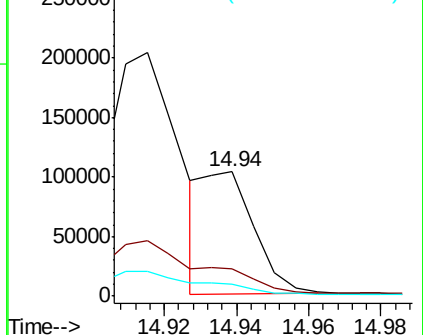
125 9.3 7.5 11.3

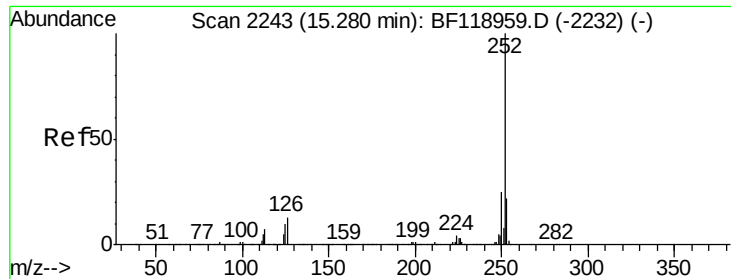


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 15.164 ng

RT: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampled :

TP-1-S

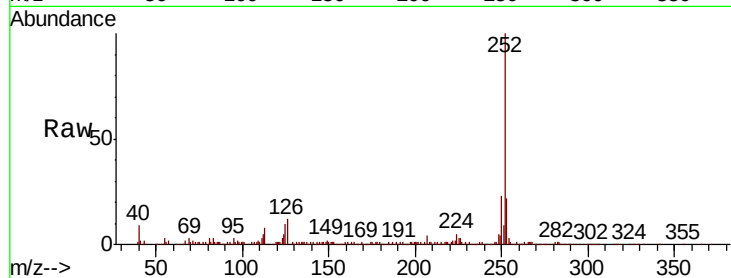
Tot Ion:252 Resp: 184795

Ion Ratio Lower Upper

252 100

253 22.1 18.0 27.0

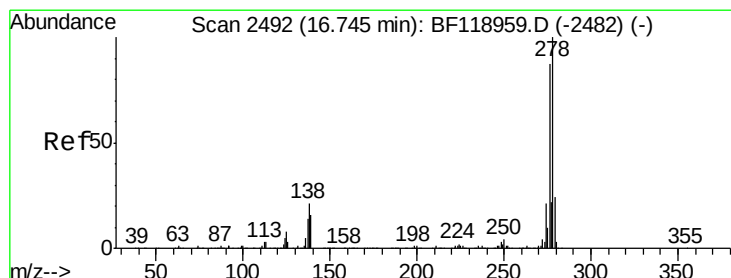
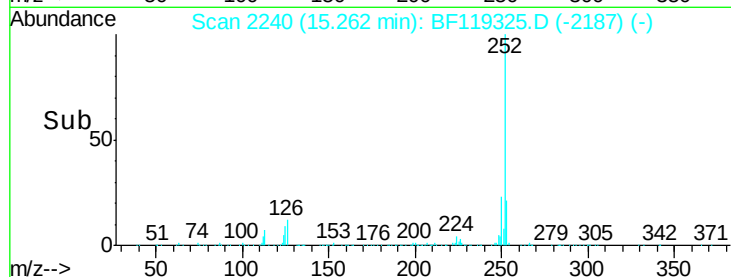
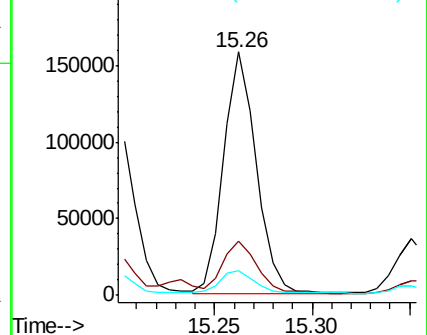
125 10.0 8.6 12.8



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



#91

Dibenzo(a,h)anthracene

Concen: 2.252 ng

RT: 16.73 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

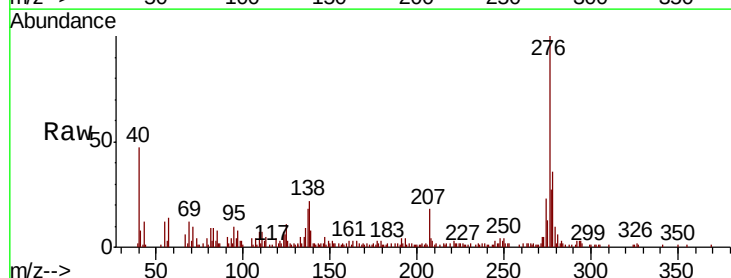
Tgt Ion:278 Resp: 24152

Ion Ratio Lower Upper

278 100

139 21.5 11.0 16.4#

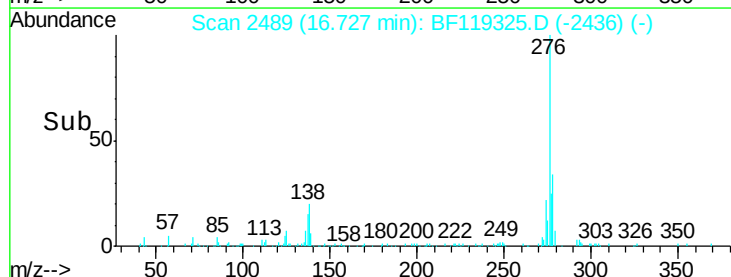
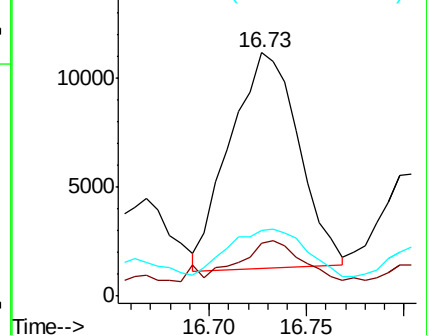
279 27.1 18.6 28.0

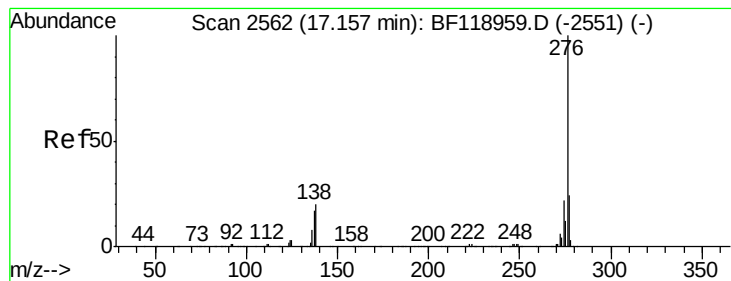


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 7.542 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.02 min

Lab File: BF119325.D

Acq: 10 Mar 2020 19:21

Instrument :

BNA_F

ClientSampleId :

TP-1-S

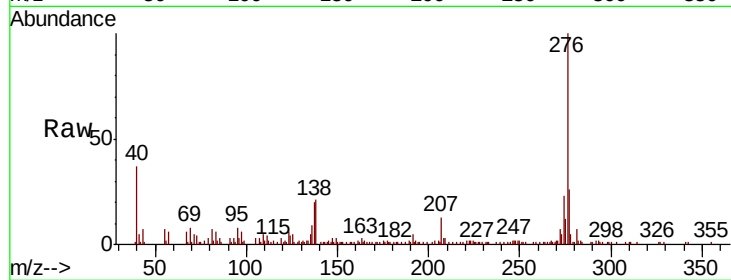
Tot Ion:276 Resp: 79905

Ion Ratio Lower Upper

276 100

277 26.2 18.7 28.1

138 20.8 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

