

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022920\
 Data File : BF119159.D
 Acq On : 29 Feb 2020 15:33
 Operator : CG/JU
 Sample : L1697-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-053-B

Quant Time: Mar 02 06:16:40 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

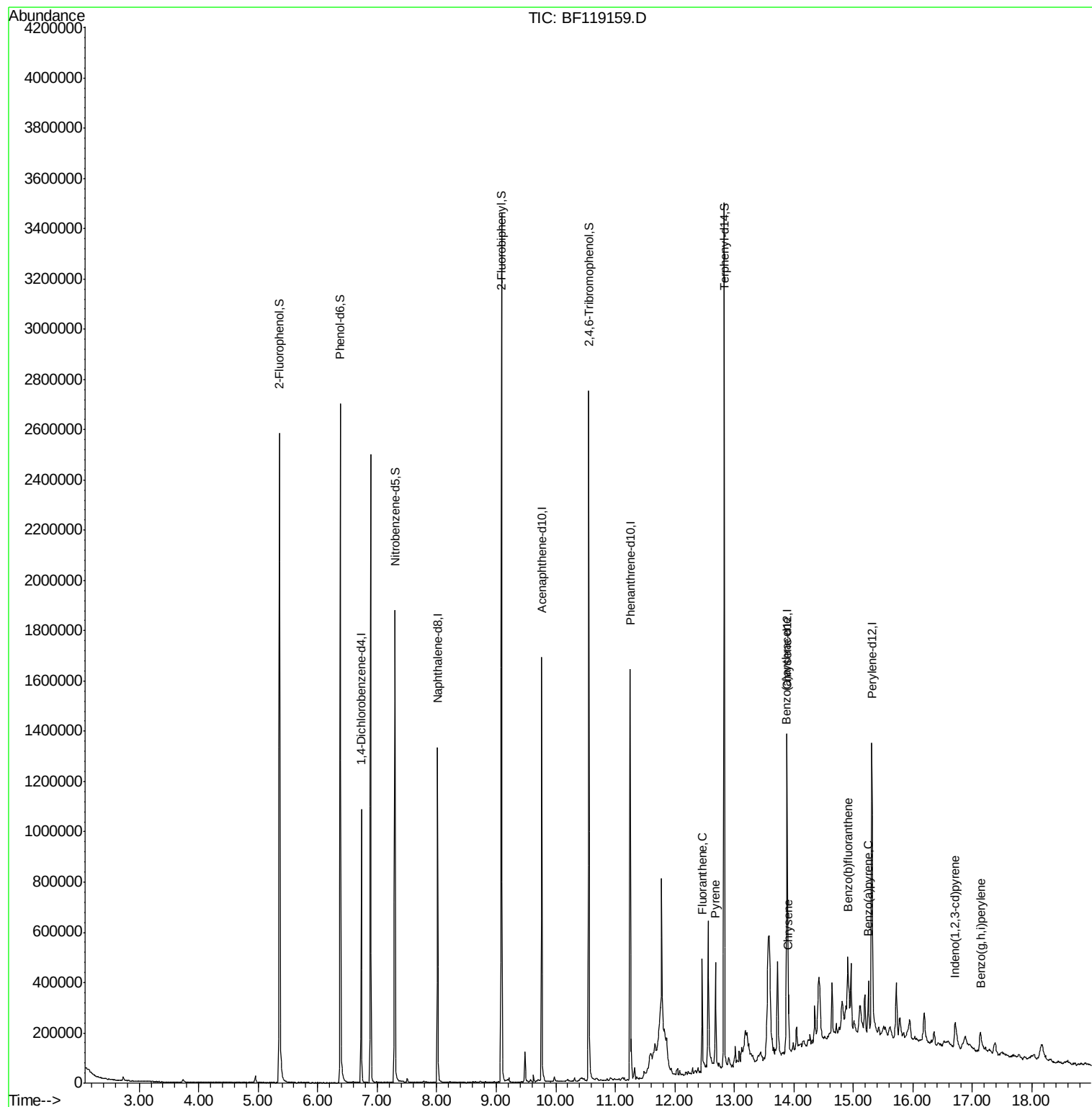
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	166146	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	654299	20.00	ng	-0.02
39) Acenaphthene-d10	9.76	164	368127	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	656004	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	407812	20.00	ng	-0.02
87) Perylene-d12	15.31	264	433352	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	799543	80.42	ng	-0.01
7) Phenol-d6	6.38	99	981858	81.20	ng	-0.02
23) Nitrobenzene-d5	7.30	82	650010	52.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.56	330	370731	76.98	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	1232630	49.33	ng	-0.02
79) Terphenyl-d14	12.83	244	1239331	52.32	ng	-0.02
Target Compounds						
75) Fluoranthene	12.46	202	178664	4.705	ng	Qvalue 99
78) Pyrene	12.69	202	161545	4.933	ng	97
81) Benzo(a)anthracene	13.87	228	103803	3.736	ng	97
83) Chrysene	13.91	228	87511	3.161	ng	98
86) Indeno(1,2,3-cd)pyrene	16.71	276	61748	2.303	ng	94
88) Benzo(b)fluoranthene	14.90	252	140678m	4.925	ng	
90) Benzo(a)pyrene	15.25	252	93558	3.629	ng	99
92) Benzo(g,h,i)perylene	17.13	276	54598	2.436	ng	# 94

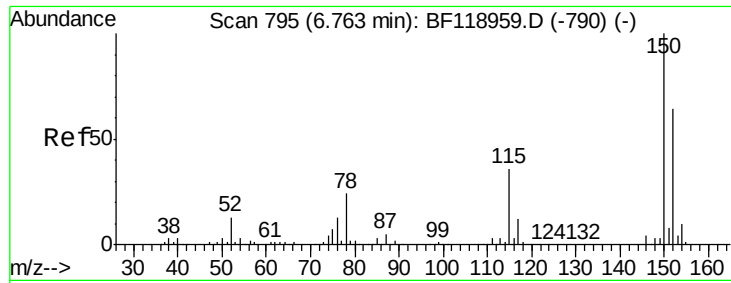
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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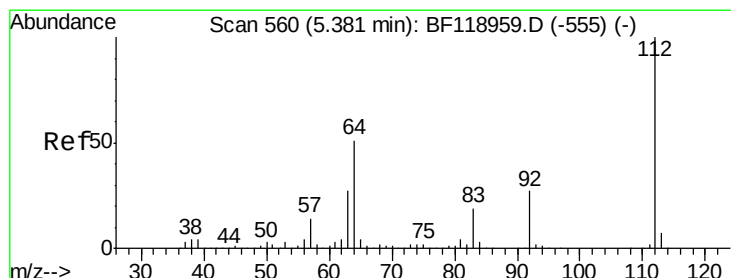
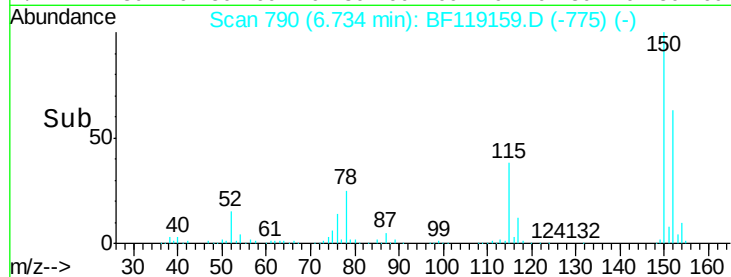
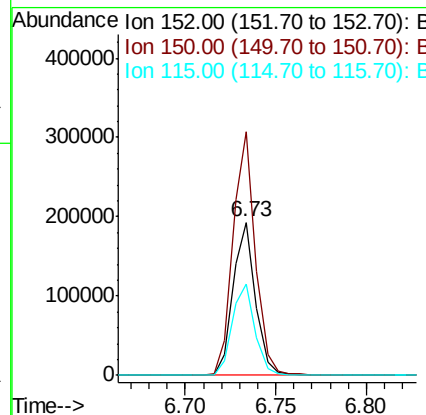
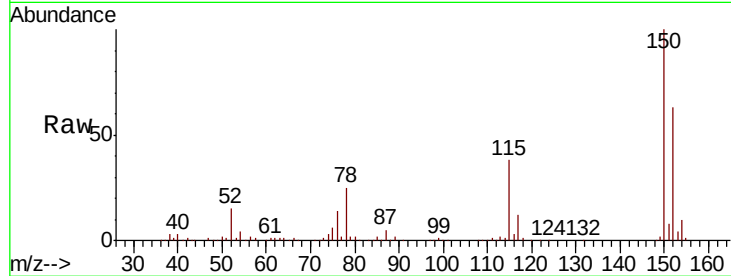


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-053-B

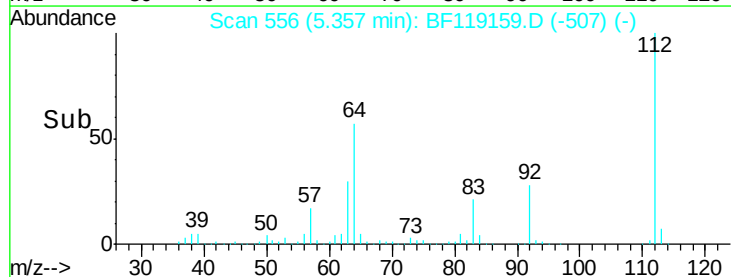
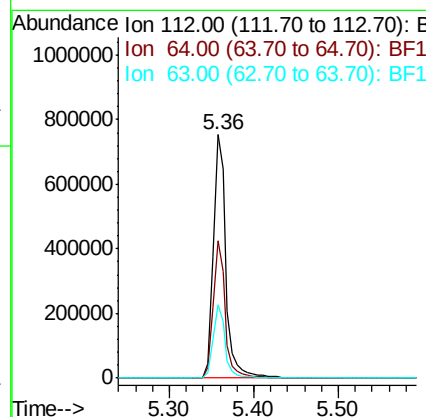
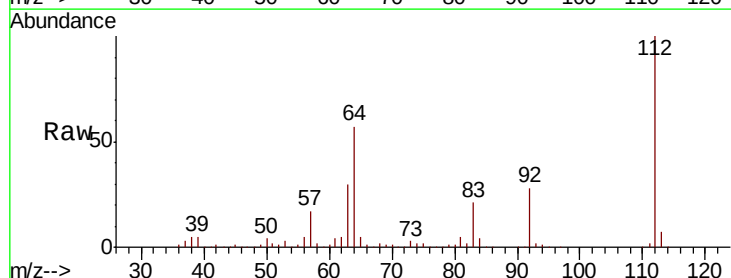
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.0	184.6
115	59.9	49.5	74.3

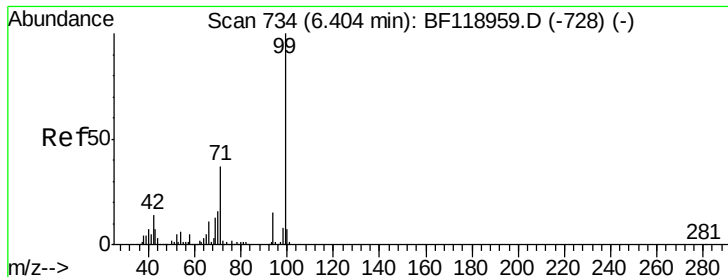


#5

2-Fluorophenol
Concen: 80.422 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.0	67.4
63	30.3	24.2	36.4





#7

Phenol-d6

Concen: 81.205 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-053-B

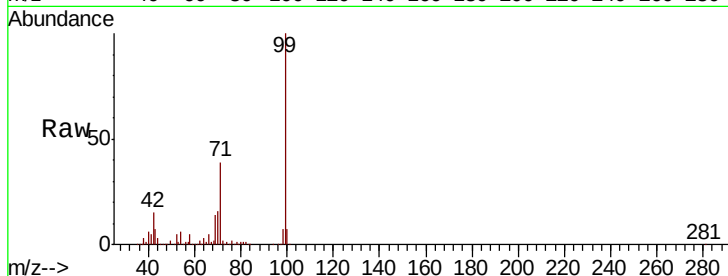
Tot Ion: 99 Resp: 981858

Ion Ratio Lower Upper

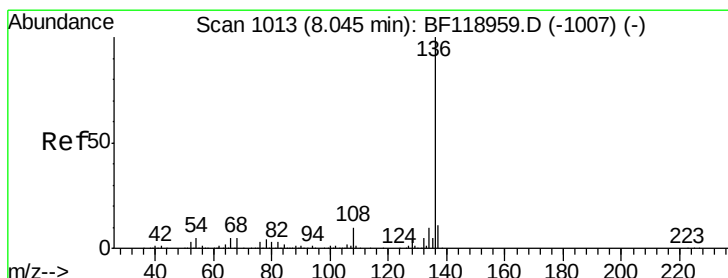
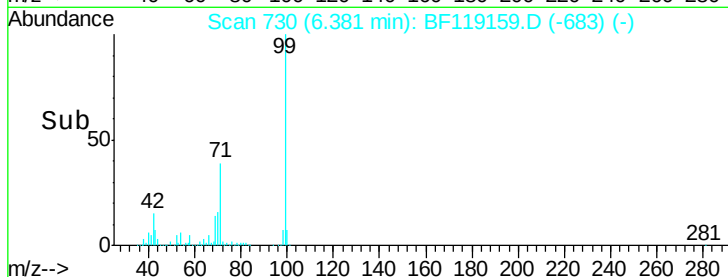
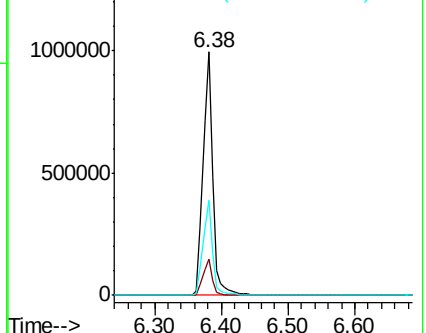
99 100

42 14.9 12.6 18.8

71 38.9 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: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Tgt Ion: 136 Resp: 654299

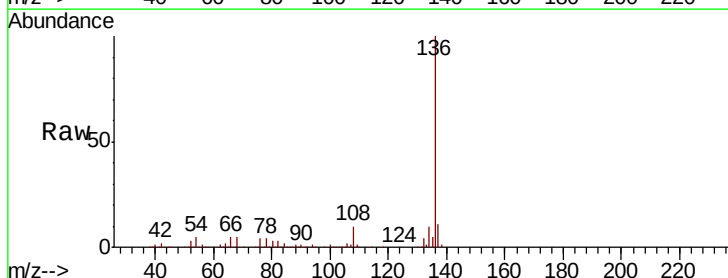
Ion Ratio Lower Upper

136 100

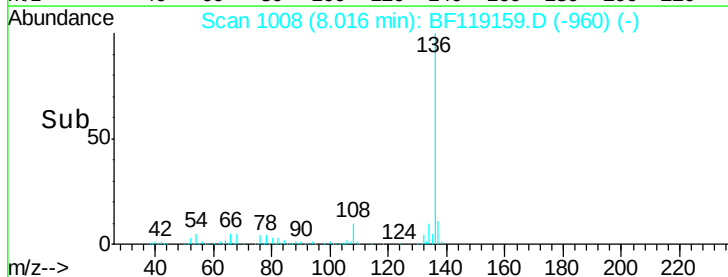
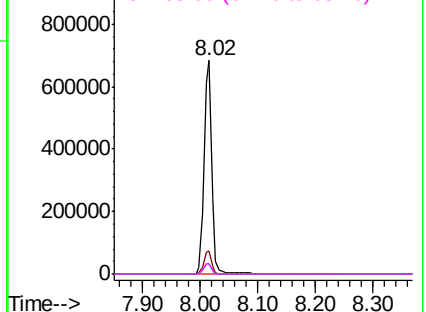
137 11.0 8.8 13.2

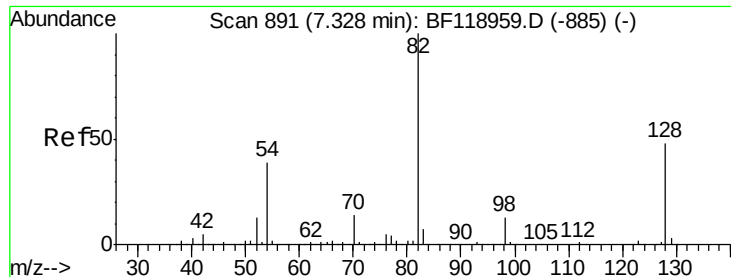
54 4.5 3.8 5.6

68 4.9 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

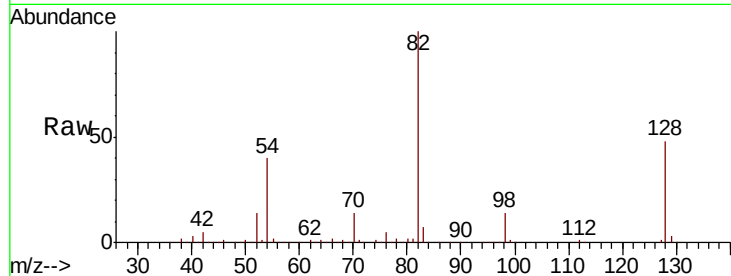




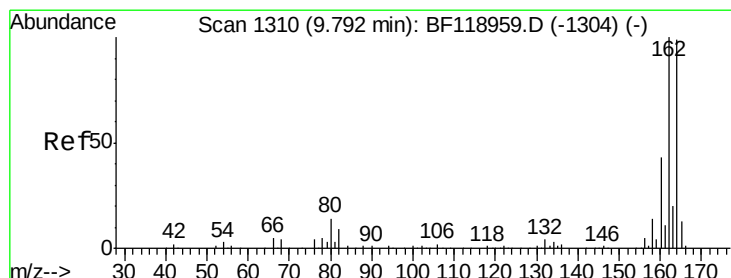
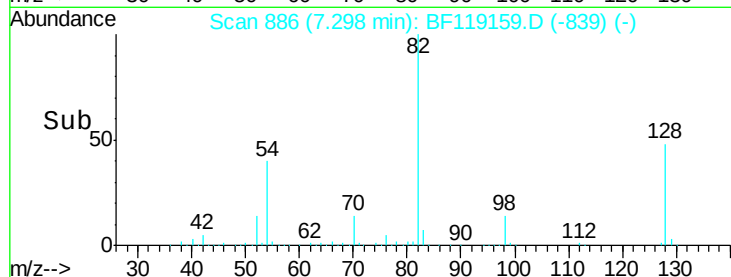
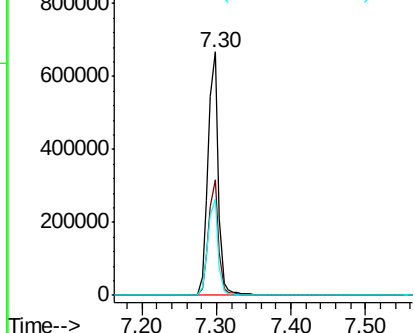
#23
Nitrobenzene-d5
Concen: 52.454 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-053-B

Tot Ion: 82 Resp: 650010
Ion Ratio Lower Upper
82 100
128 47.7 37.9 56.9
54 39.6 33.4 50.2

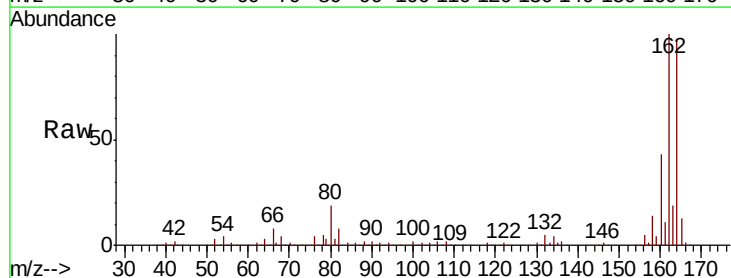


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

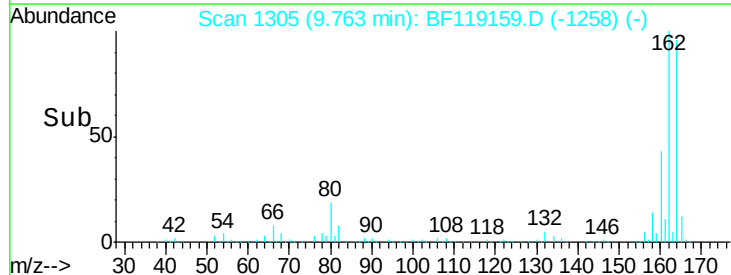
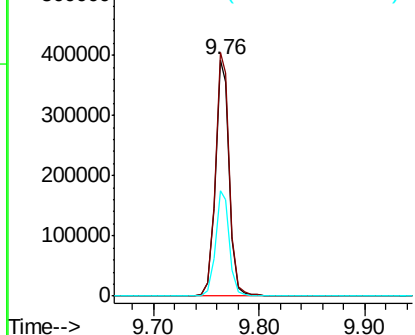


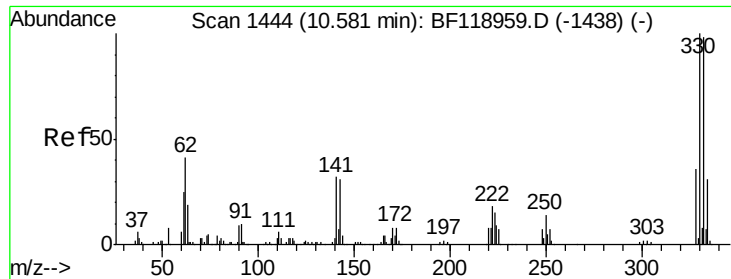
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion:164 Resp: 368127
Ion Ratio Lower Upper
164 100
162 103.2 81.8 122.8
160 44.6 36.0 54.0



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

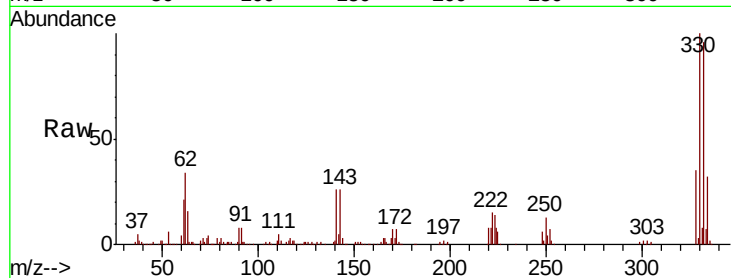




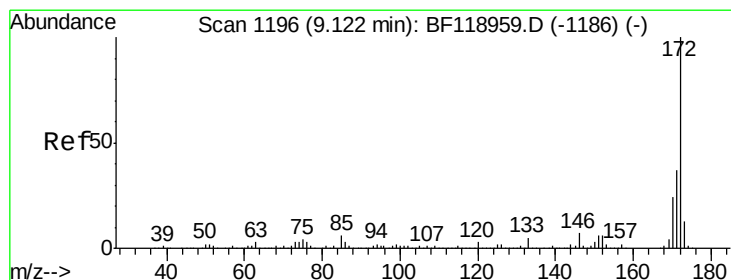
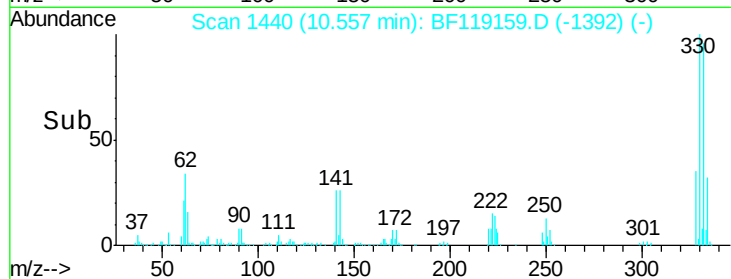
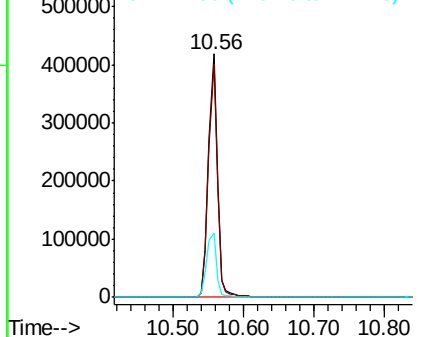
#42
 2,4,6-Tribromophenol
 Concen: 76.983 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-053-B

Tot Ion:330 Resp: 370731
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.0 114.0
 141 29.2 22.9 34.3

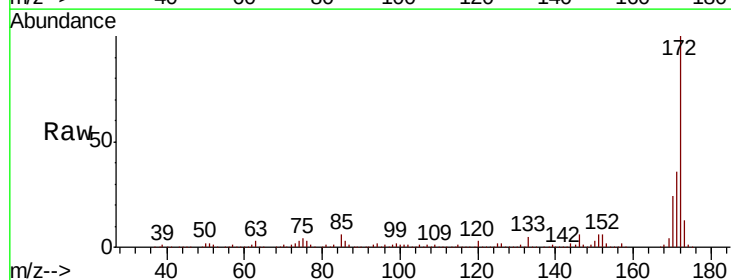


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

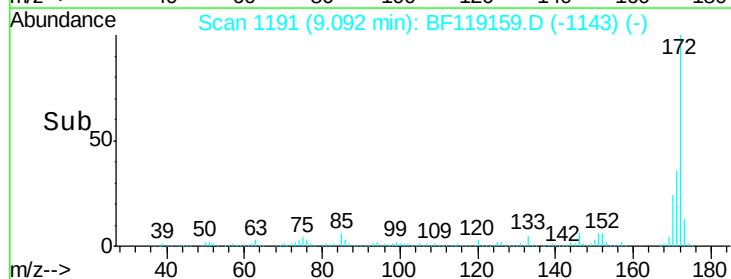
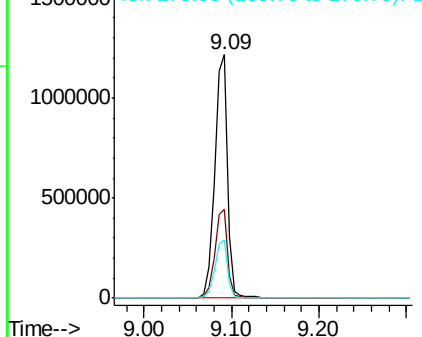


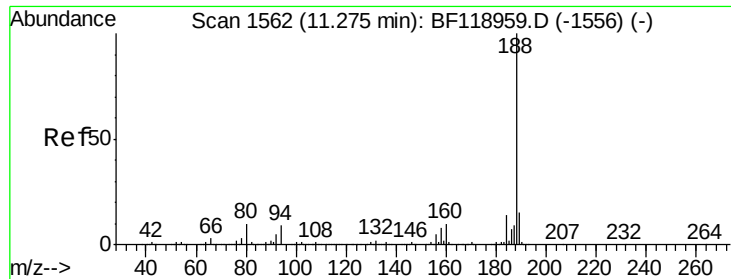
#45
 2-Fluorobiphenyl
 Concen: 49.327 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Tgt Ion:172 Resp: 1232630
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.6 45.8
 170 24.0 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

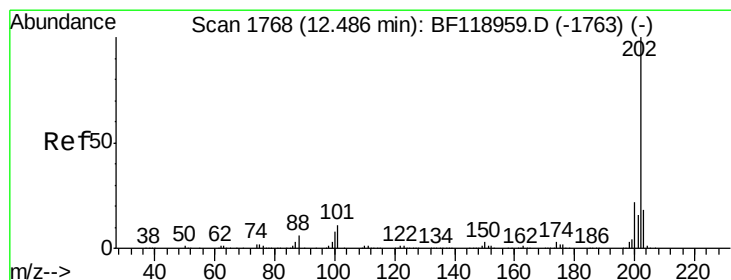
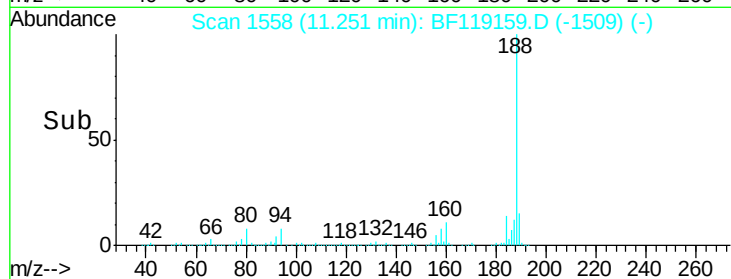
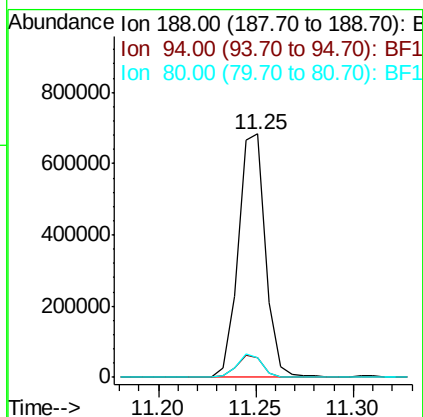
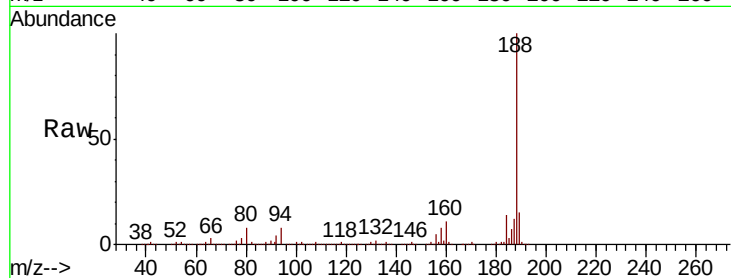




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

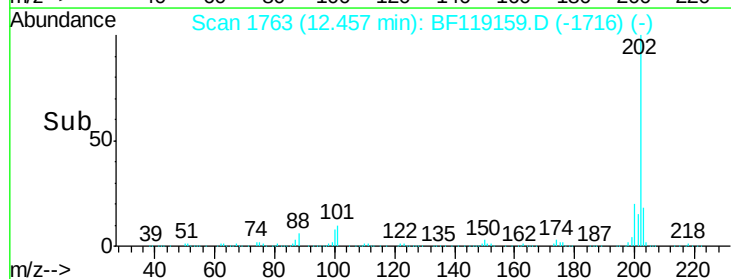
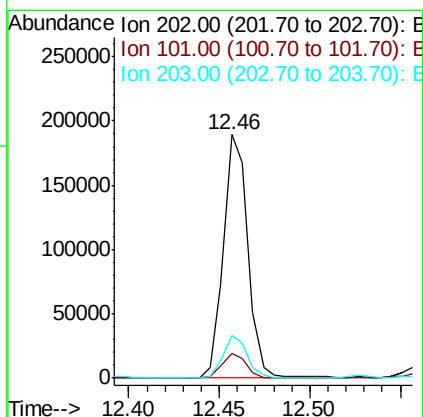
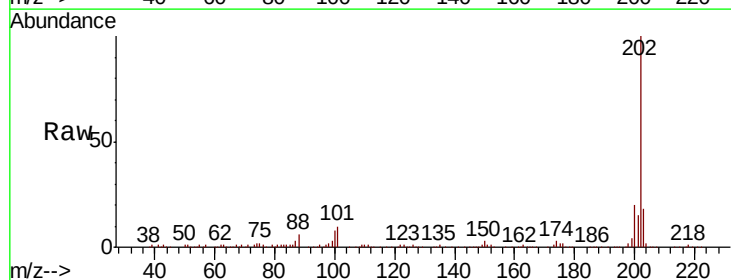
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ClientSampleId :
FK-GF-02-053-B

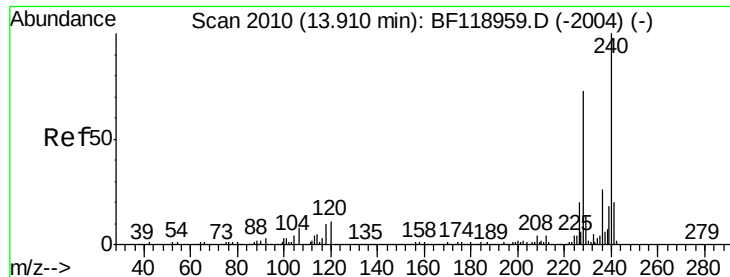
Tot Ion:188 Resp: 656004
Ion Ratio Lower Upper
188 100
94 8.1 7.1 10.7
80 8.2 7.8 11.8



#75
Fluoranthene
Concen: 4.705 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion:202 Resp: 178664
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.3
203 17.5 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-053-B

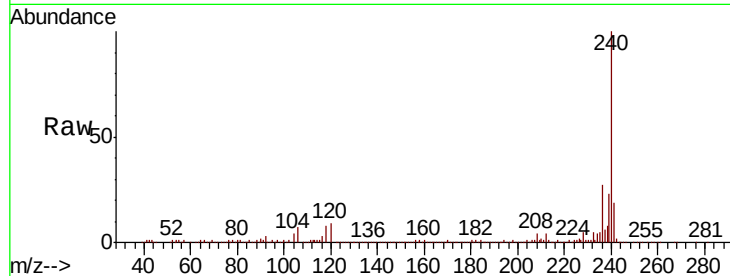
Tot Ion:240 Resp: 407812

Ion Ratio Lower Upper

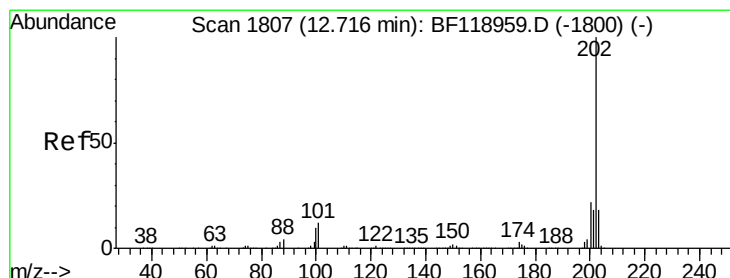
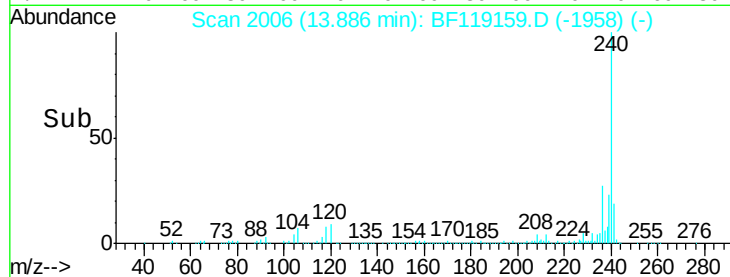
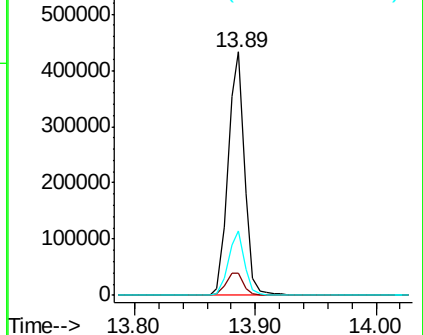
240 100

120 8.9 8.4 12.6

236 26.6 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

Pyrene

Concen: 4.933 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

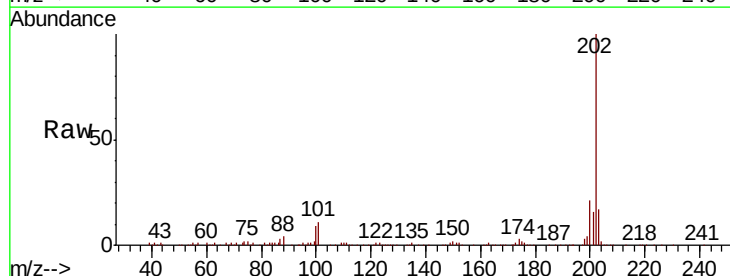
Tgt Ion:202 Resp: 161545

Ion Ratio Lower Upper

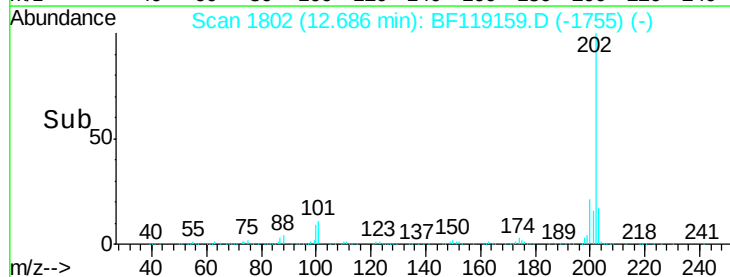
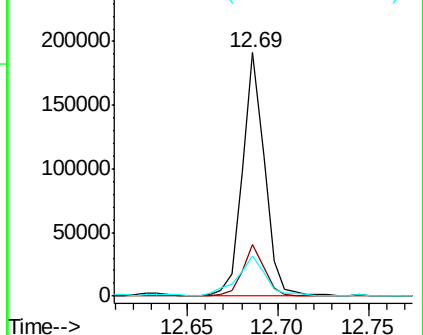
202 100

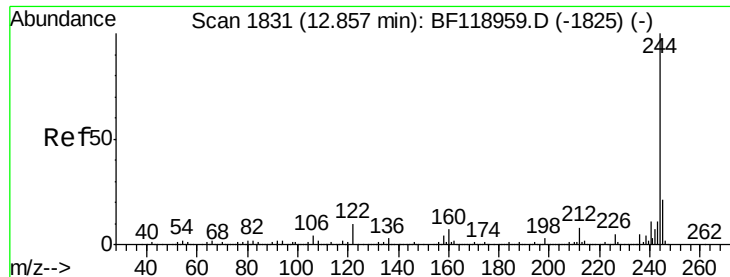
200 21.0 18.0 27.0

203 16.7 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

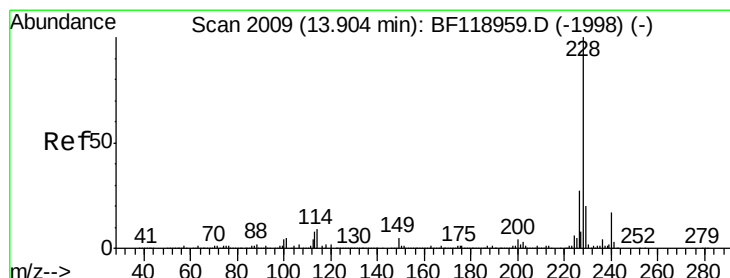
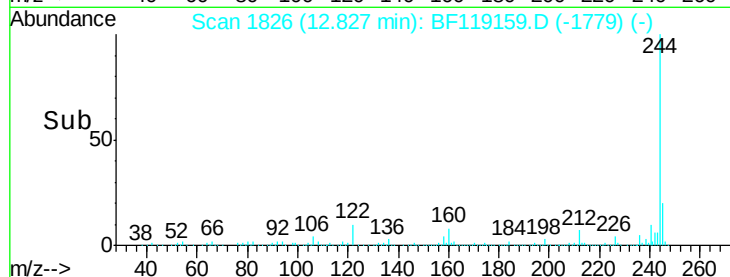
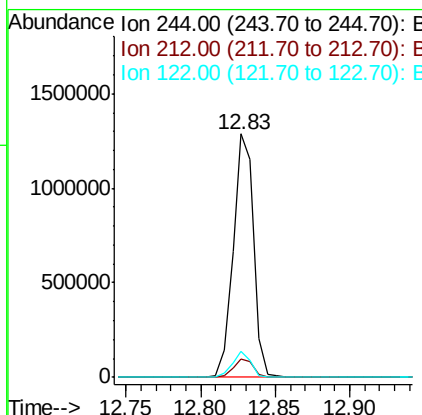
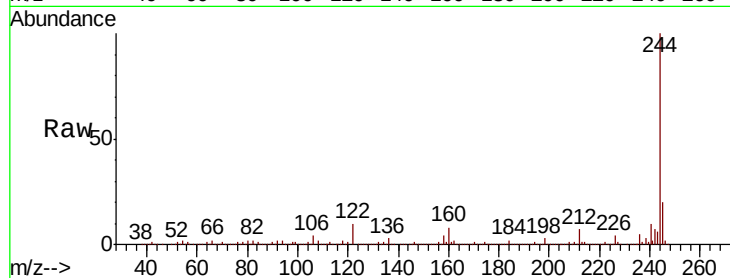




#79
 Terphenyl-d14
 Concen: 52.321 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

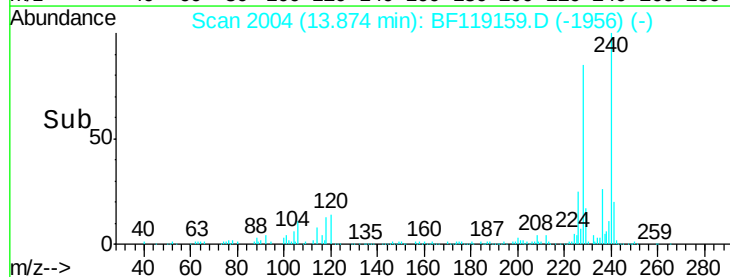
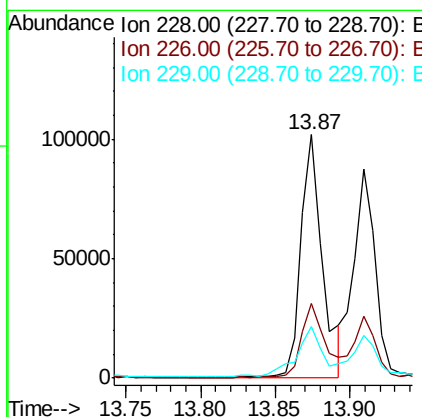
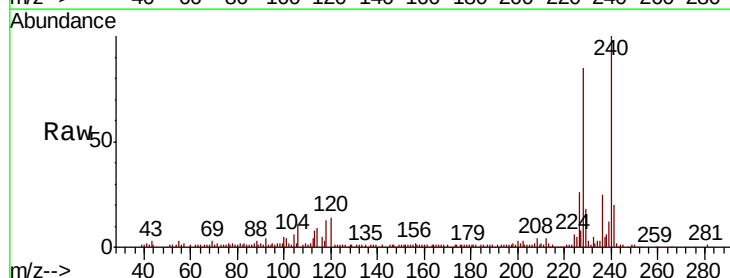
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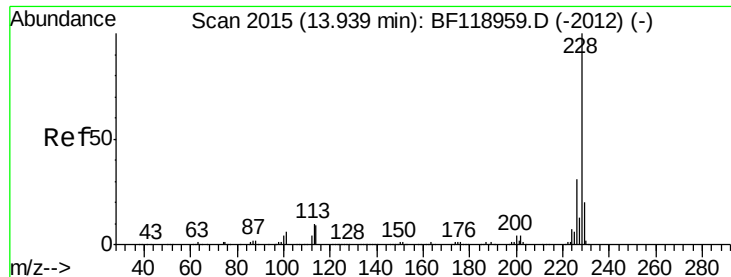
Tot Ion:244 Resp: 1239331
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.6 10.0
 122 10.5 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 3.736 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.02 min
 Lab File: BF119159.D
 Acq: 29 Feb 2020 15:33

Tgt Ion:228 Resp: 103803
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.6 33.8
 229 21.3 16.6 24.8





#83

Chrysene

Concen: 3.161 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-053-B

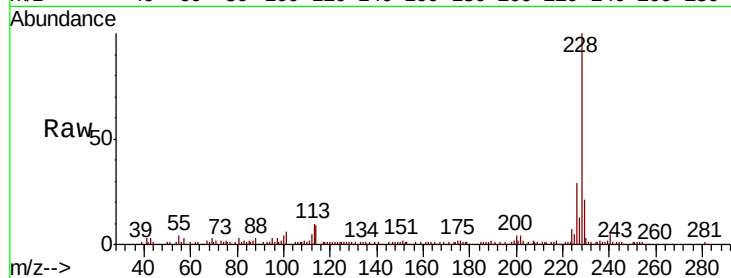
Tot Ion:228 Resp: 87511

Ion Ratio Lower Upper

228 100

226 29.5 25.1 37.7

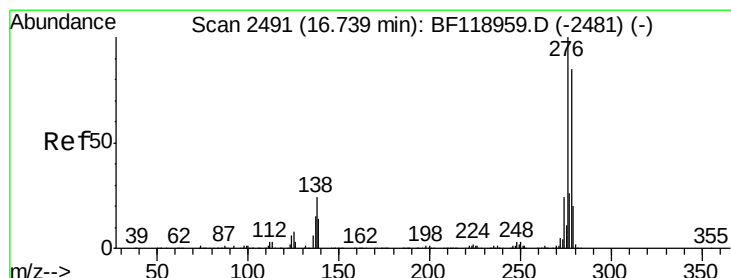
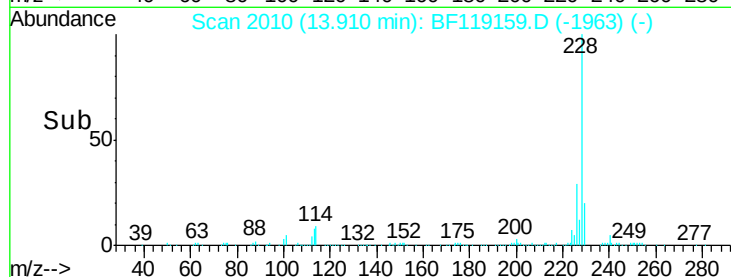
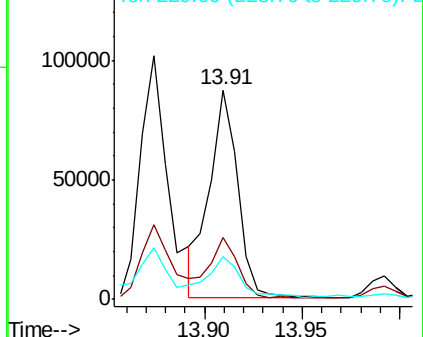
229 20.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.303 ng

RT: 16.71 min Scan# 2486

Delta R.T. -0.03 min

Lab File: BF119159.D

Acq: 29 Feb 2020 15:33

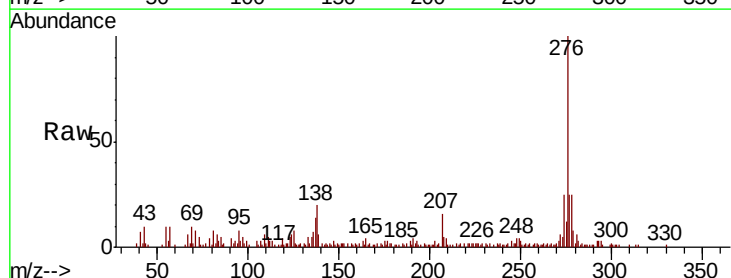
Tgt Ion:276 Resp: 61748

Ion Ratio Lower Upper

276 100

138 18.2 17.4 26.0

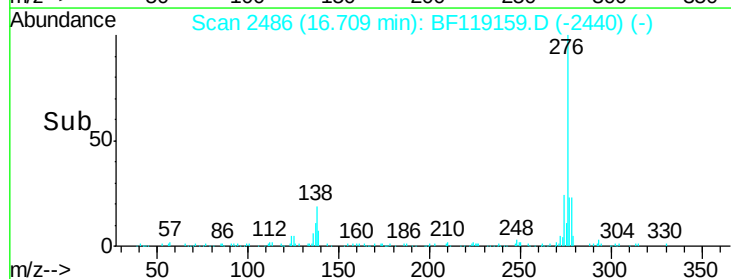
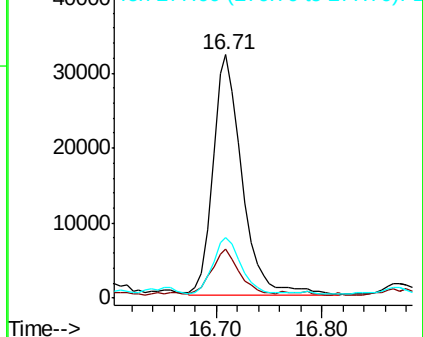
277 22.7 20.3 30.5

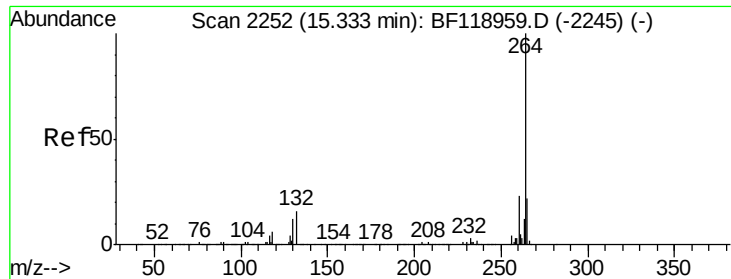


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

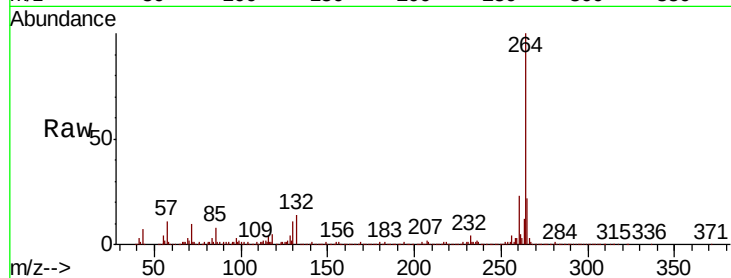




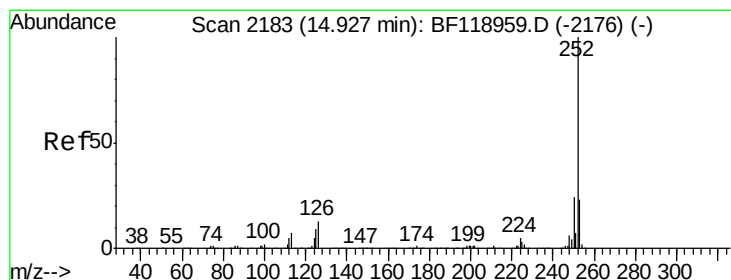
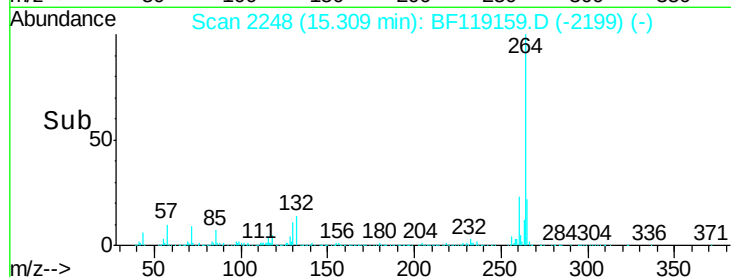
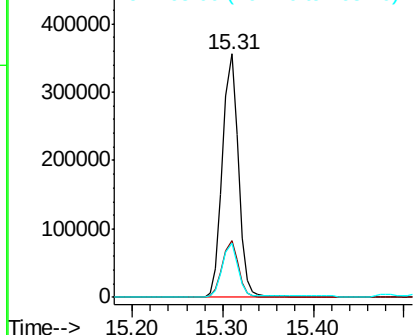
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-053-B

Tot Ion:264 Resp: 433352
Ion Ratio Lower Upper
264 100
260 23.5 19.4 29.2
265 22.2 17.7 26.5

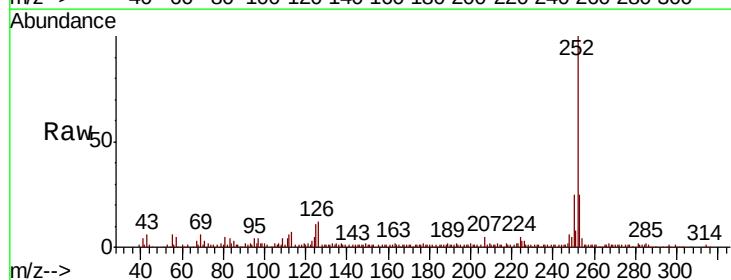


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

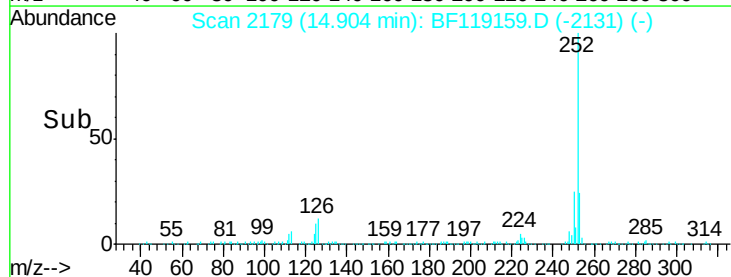
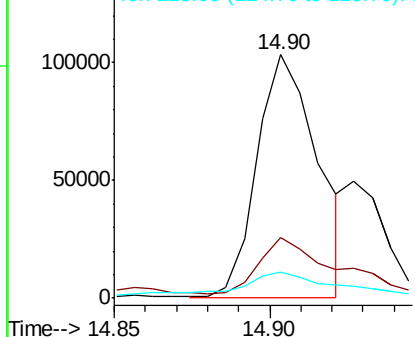


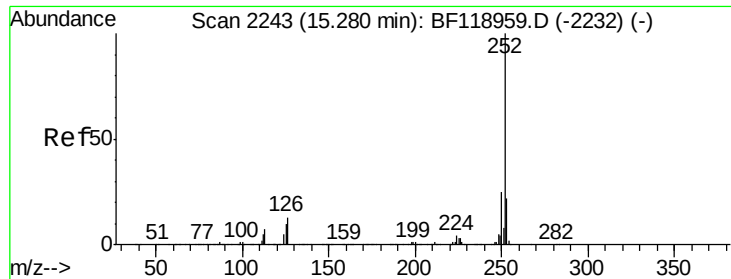
#88
Benzo(b)fluoranthene
Concen: 4.925 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion:252 Resp: 140678
Ion Ratio Lower Upper
252 100
253 24.7 18.1 27.1
125 10.7 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

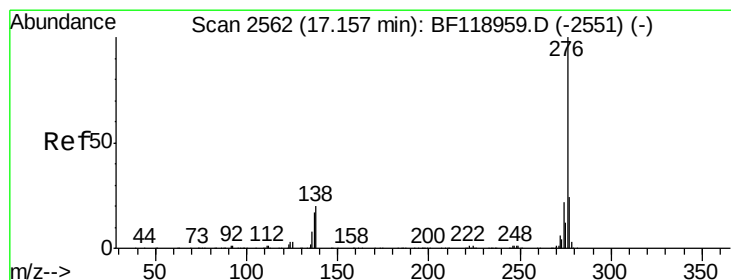
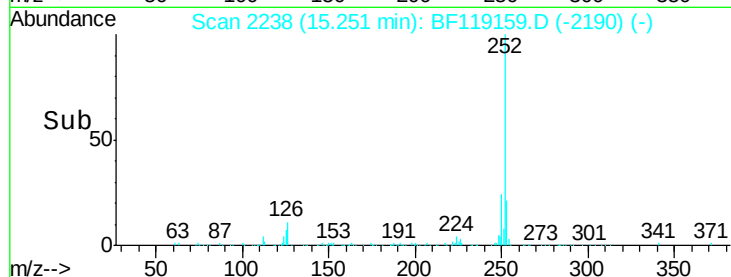
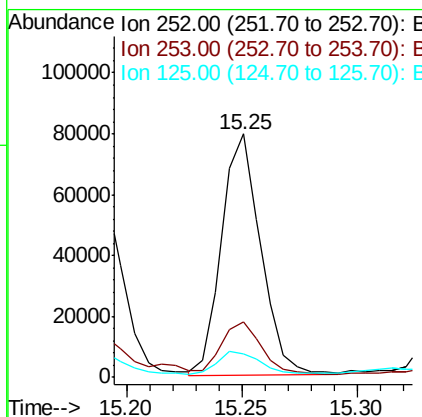
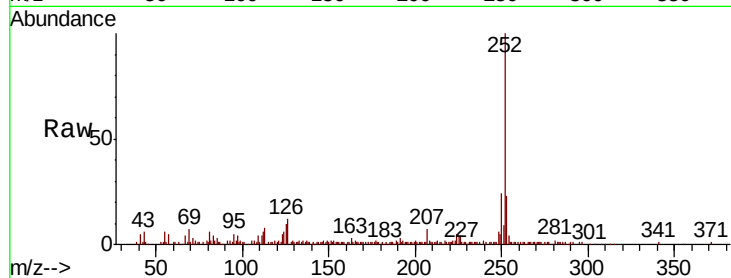




#90
Benzo(a)pyrene
Concen: 3.629 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-053-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	9.8	8.6	12.8



#92
Benzo(g,h,i)perylene
Concen: 2.436 ng
RT: 17.13 min Scan# 2557
Delta R.T. -0.03 min
Lab File: BF119159.D
Acq: 29 Feb 2020 15:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.7	28.1
138	21.7	14.3	21.5

