

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113220.D
 Acq On : 21 Mar 2019 20:44
 Operator : JU/SJ
 Sample : K2004-09 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

Quant Time: Mar 22 02:01:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

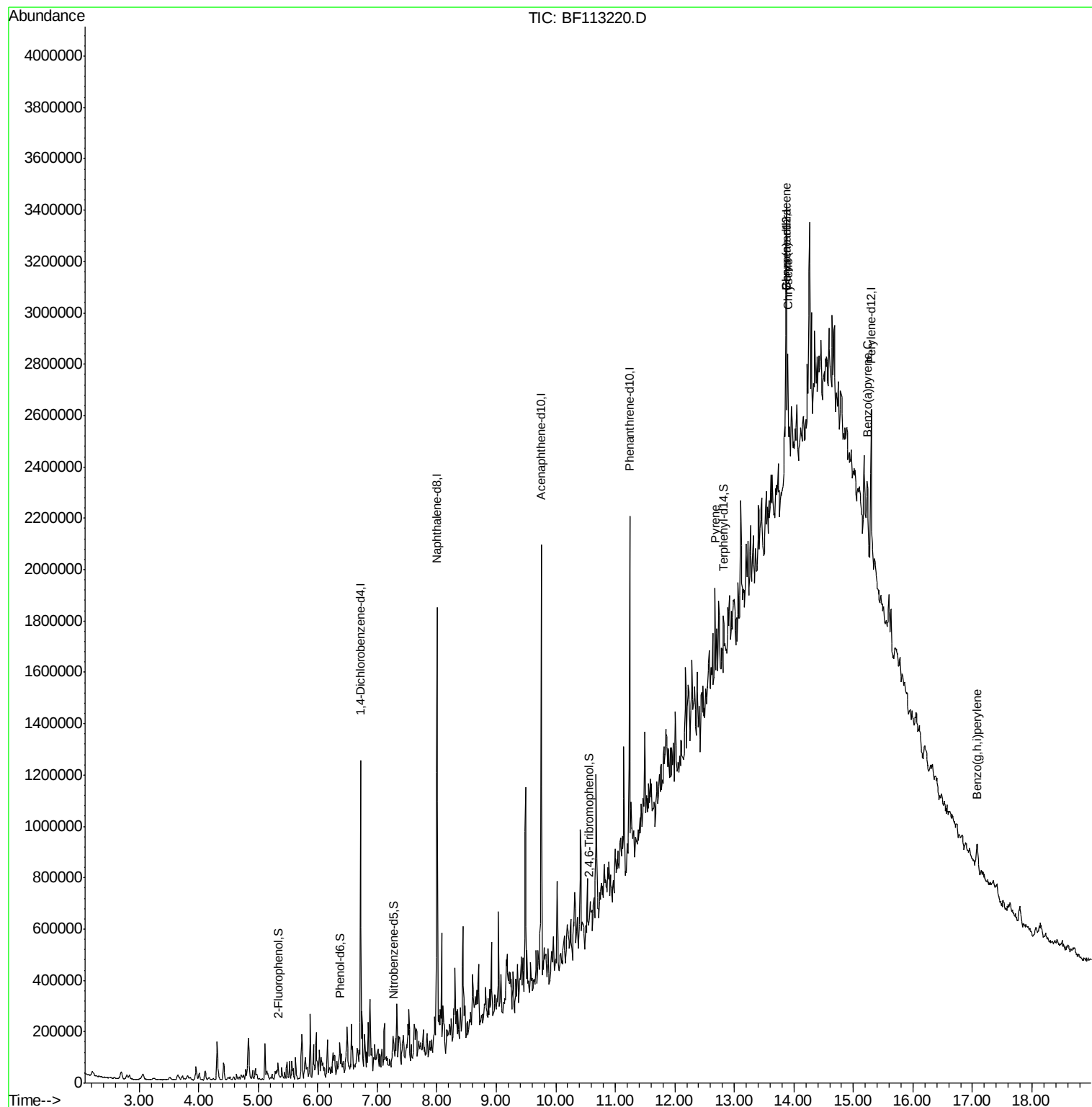
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	173879	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	674195	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	311124	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	532786	20.00	ng	0.00
76) Chrysene-d12	13.87	240	384964	20.00	ng	0.00
87) Perylene-d12	15.30	264	325504	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	23072	2.06	ng	-0.01
7) Phenol-d6	6.37	99	42448	3.02	ng	0.00
23) Nitrobenzene-d5	7.28	82	24263	2.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	7758	2.35	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	52549	0.76	ng	-0.01
79) Terphenyl-d14	12.82	244	40710	2.05	ng	0.00
Target Compounds						
78) Pyrene	12.67	202	165984	5.115	ng	Qvalue 95
81) Benzo(a)anthracene	13.86	228	179756	6.737	ng	# 79
83) Chrysene	13.90	228	179290	6.860	ng	# 80
90) Benzo(a)pyrene	15.23	252	120994	6.497	ng	# 75
92) Benzo(g,h,i)perylene	17.07	276	79681	4.993	ng	# 87

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

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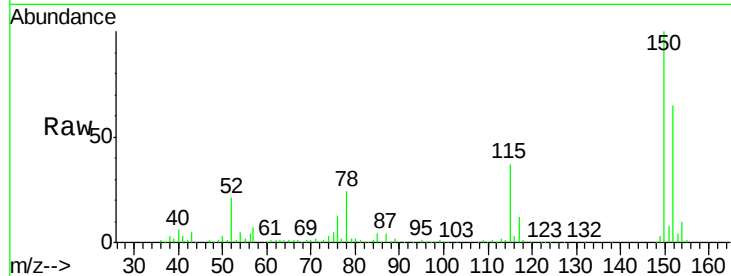




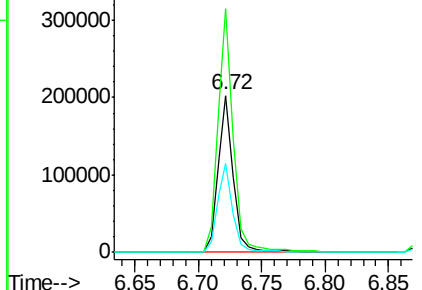
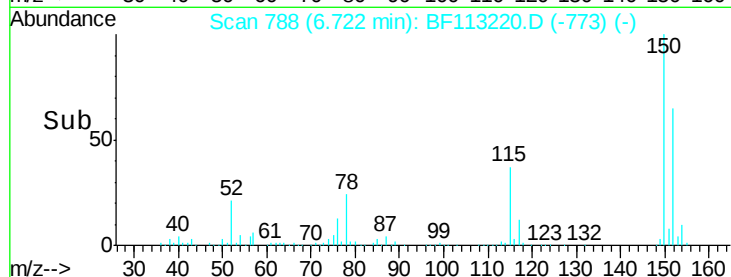
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

Tgt Ion:152 Resp: 173879
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.2 186.2
 115 56.8 48.2 72.4

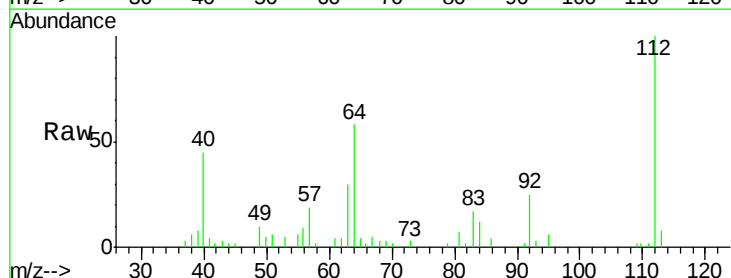


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

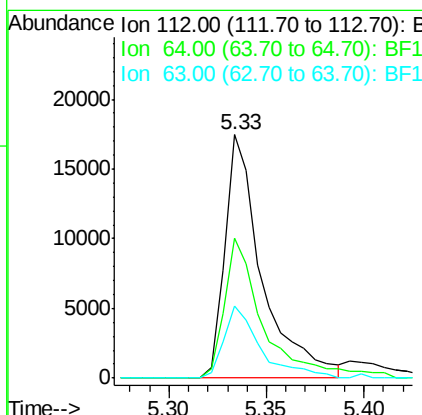
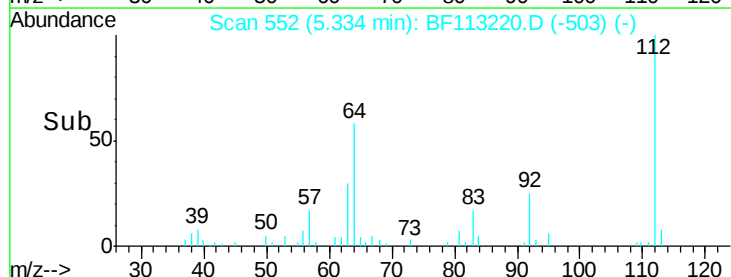


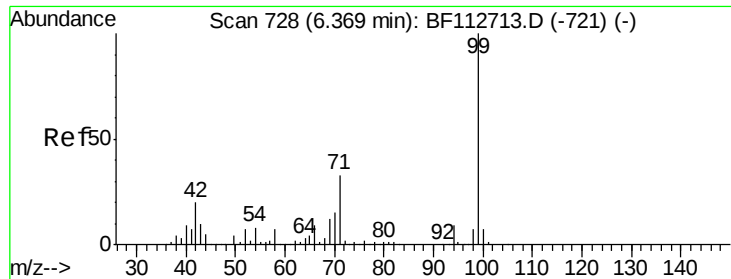
#5
 2-Fluorophenol
 Concen: 2.064 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion:112 Resp: 23072
 Ion Ratio Lower Upper
 112 100
 64 57.7 47.6 71.4
 63 29.7 24.4 36.6



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: 3.023 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Instrument :

BNA_F

ClientSampleId :

SB-22(7-8)

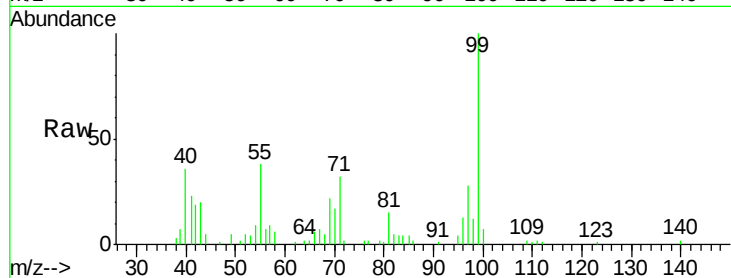
Tgt Ion: 99 Resp: 42448

Ion Ratio Lower Upper

99 100

42 19.1 16.3 24.5

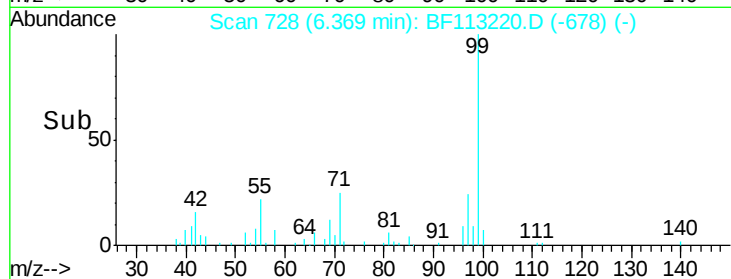
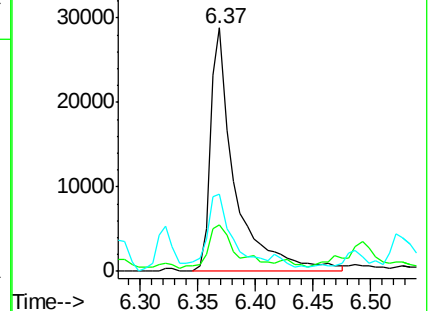
71 31.8 26.2 39.4



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: BF113220.D

Acq: 21 Mar 2019 20:44

Tgt Ion: 136 Resp: 674195

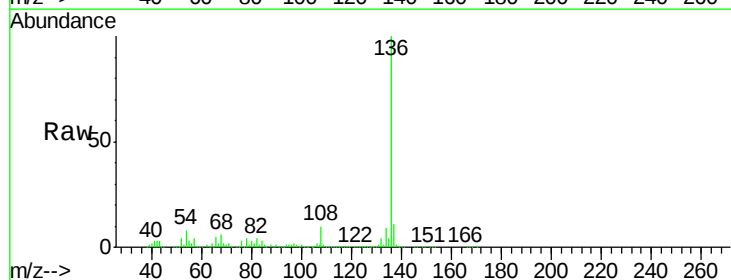
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.3 7.3 10.9

68 6.3 5.4 8.2

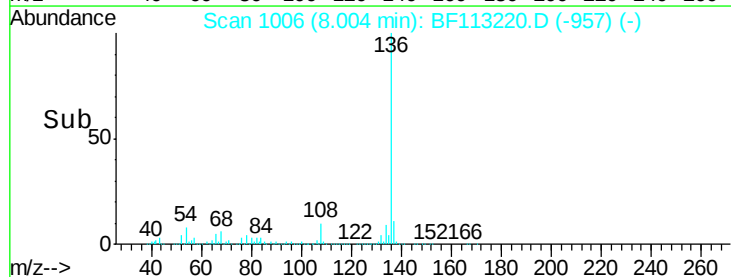
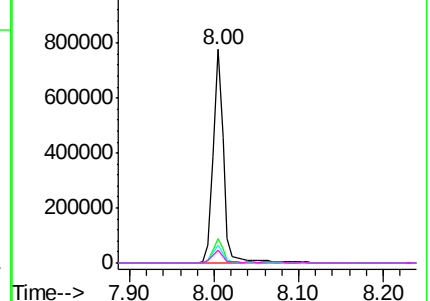


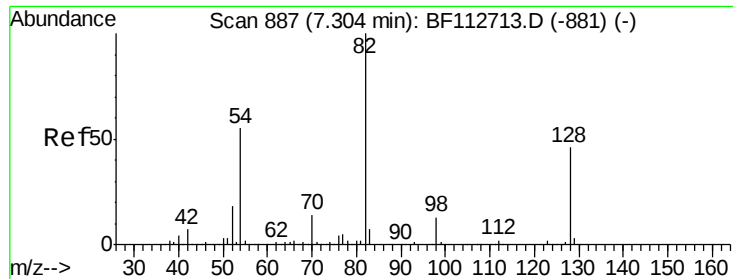
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

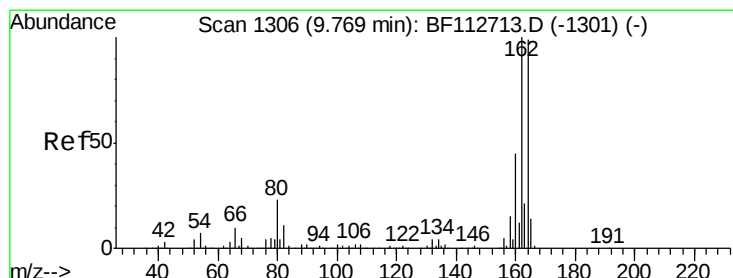
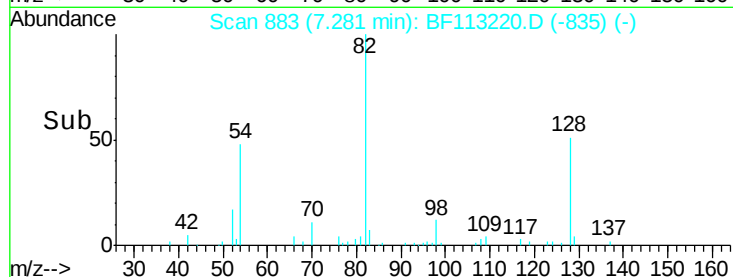
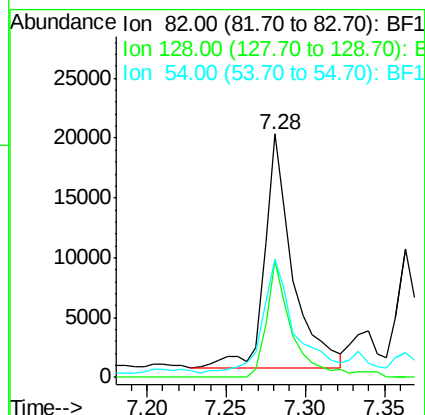
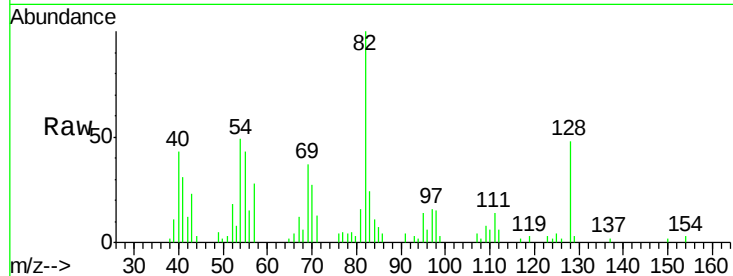




#23
 Nitrobenzene-d5
 Concen: 2.153 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

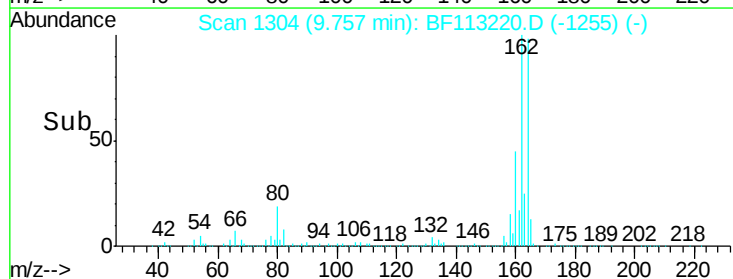
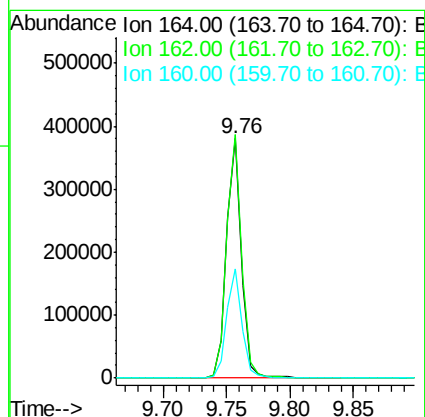
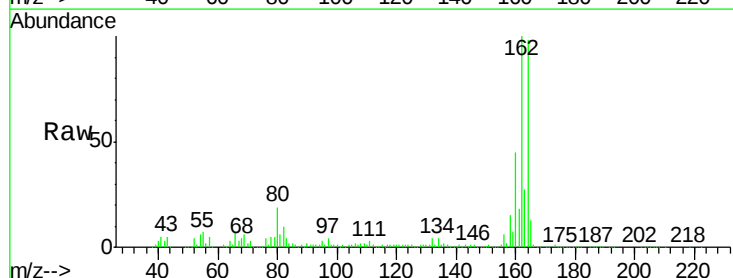
Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

Tgt Ion: 82 Resp: 24263
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.3 54.5
 54 48.6 43.7 65.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion: 164 Resp: 311124
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.6 120.8
 160 45.6 36.0 54.0

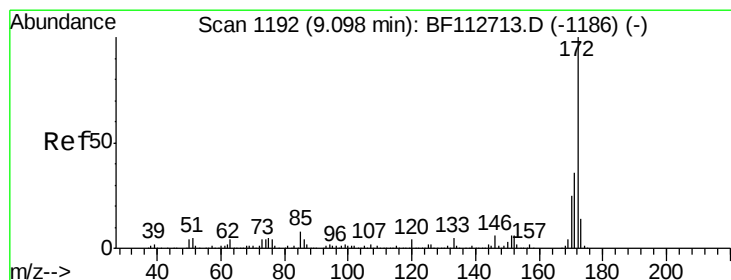
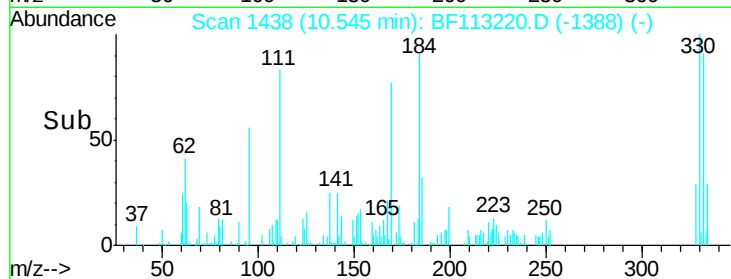
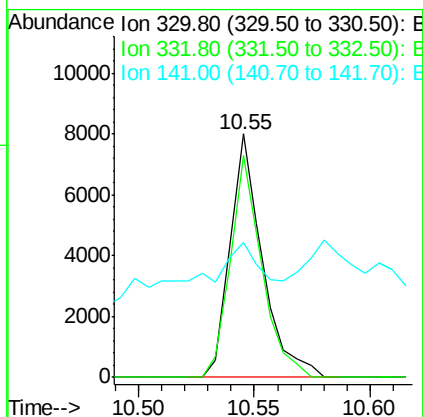
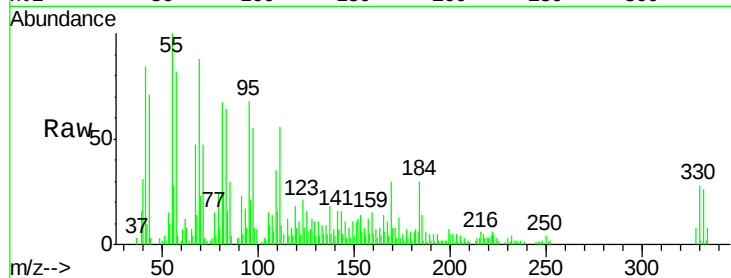




#42
 2,4,6-Tribromophenol
 Concen: 2.349 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

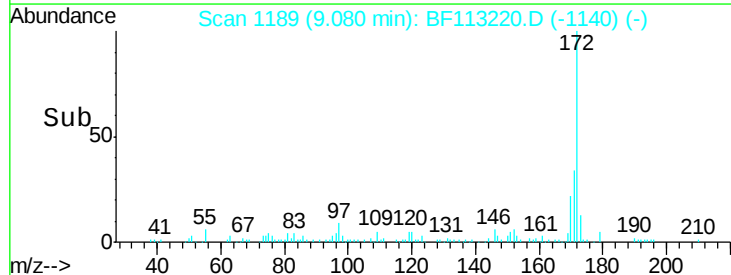
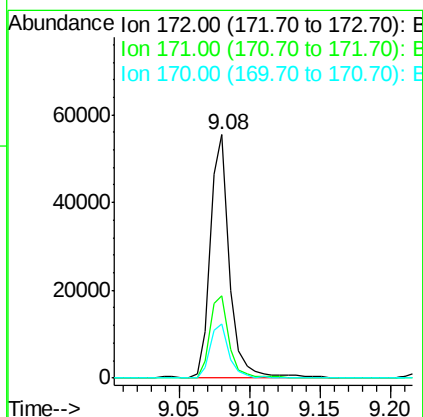
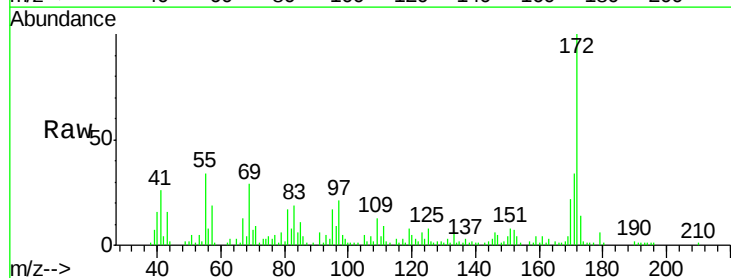
Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

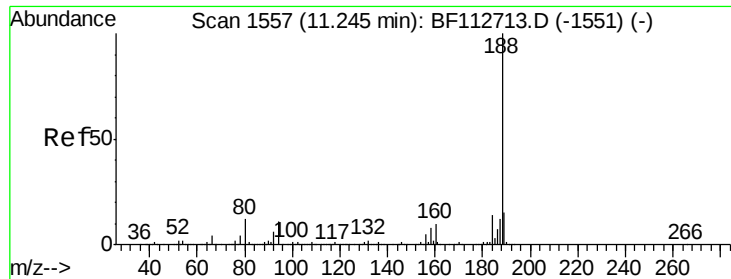
Tgt Ion: 330 Resp: 7758
 Ion Ratio Lower Upper
 330 100
 332 89.1 76.2 114.4
 141 57.4 27.0 40.6#



#45
 2-Fluorobiphenyl
 Concen: 0.761 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion: 172 Resp: 52549
 Ion Ratio Lower Upper
 172 100
 171 33.8 29.0 43.4
 170 22.2 20.0 30.0

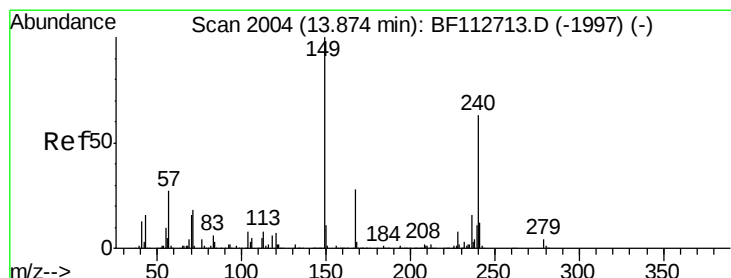
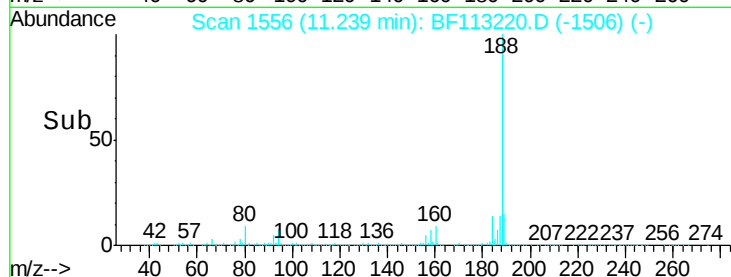
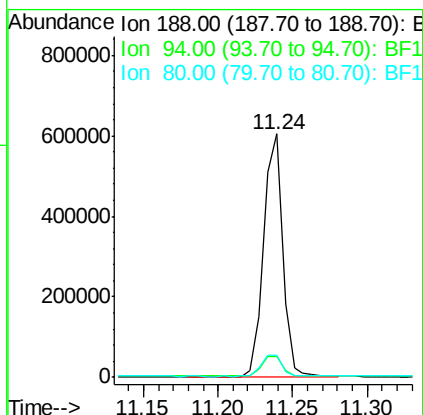
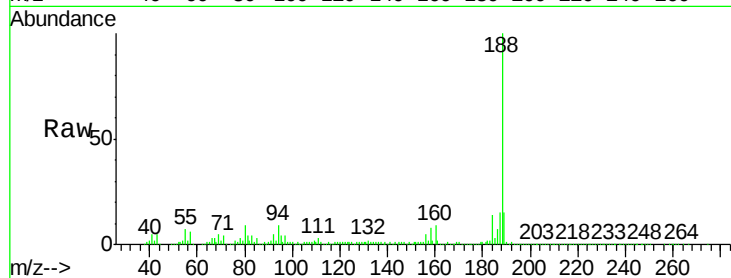




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

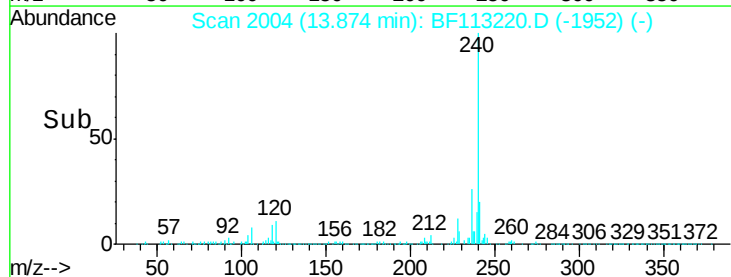
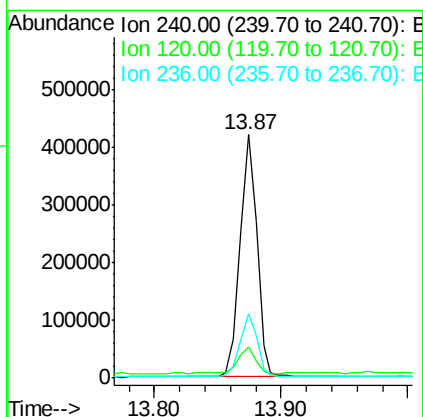
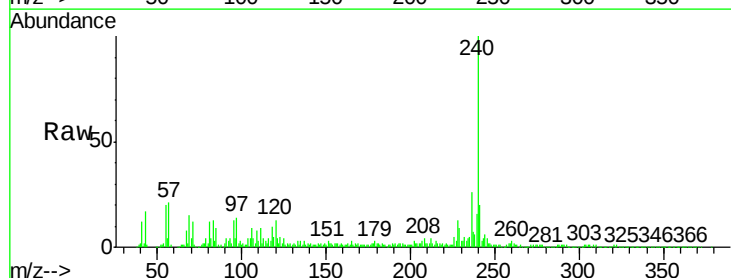
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

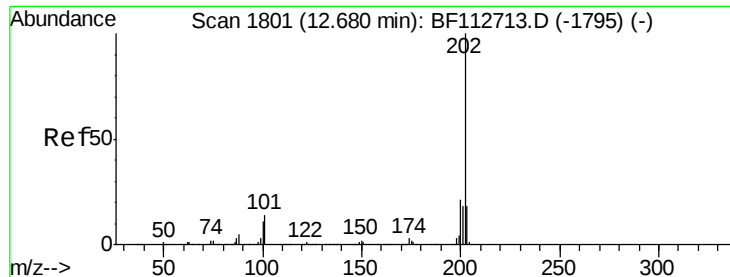
Tgt Ion:188 Resp: 532786
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.4#
80 9.3 9.2 13.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:240 Resp: 384964
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 26.4 20.7 31.1

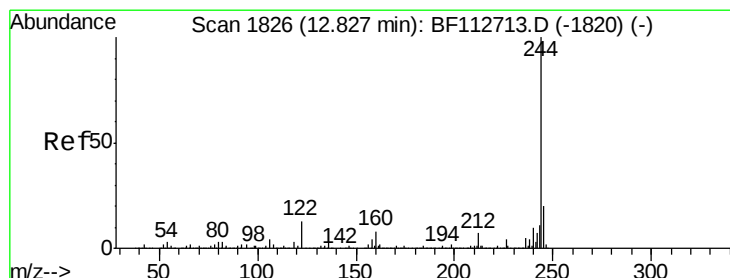
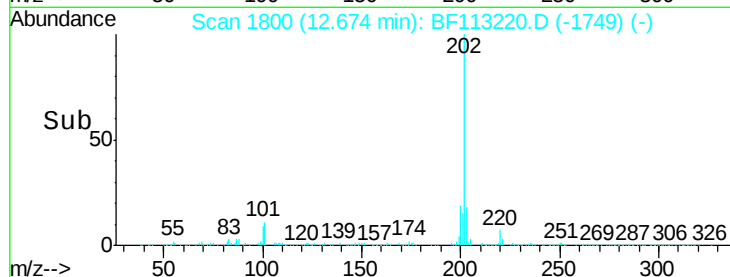
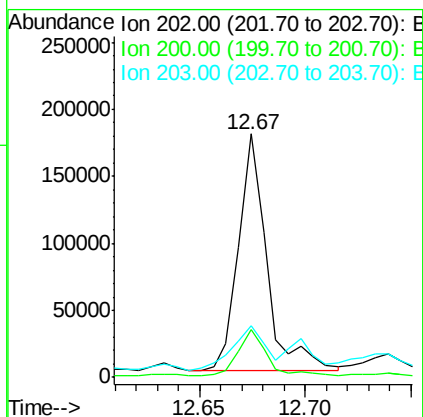
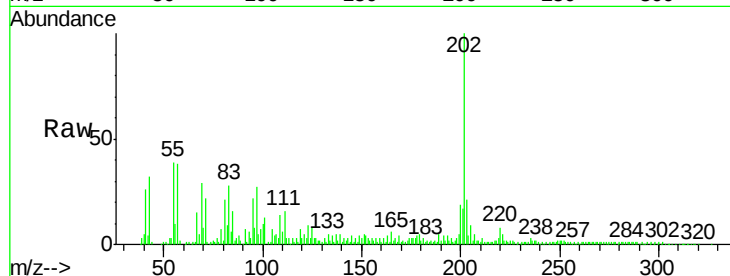




#78
 Pyrene
 Concen: 5.115 ng
 RT: 12.67 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

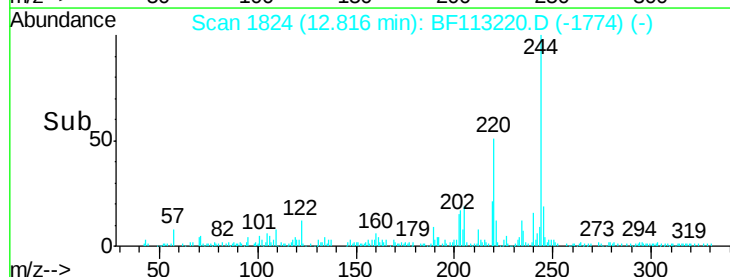
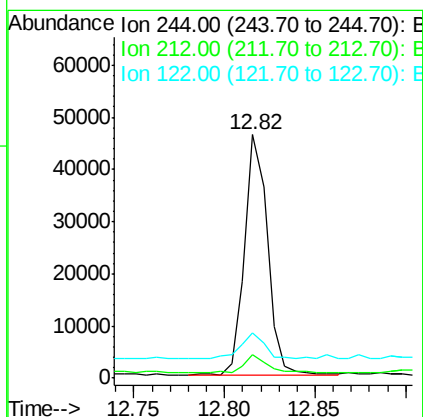
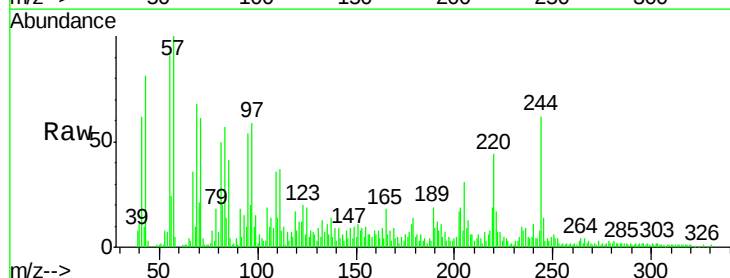
Instrument :
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 SB-22(7-8)

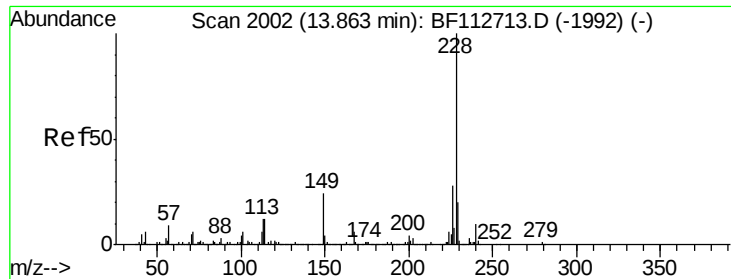
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.0	25.4
203	21.3	14.4	21.6



#79
 Terphenyl-d14
 Concen: 2.050 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.7	5.6	8.4#
122	18.8	10.5	15.7#





#81

Benzo(a)anthracene

Concen: 6.737 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Instrument :

BNA_F

ClientSampleId :

SB-22(7-8)

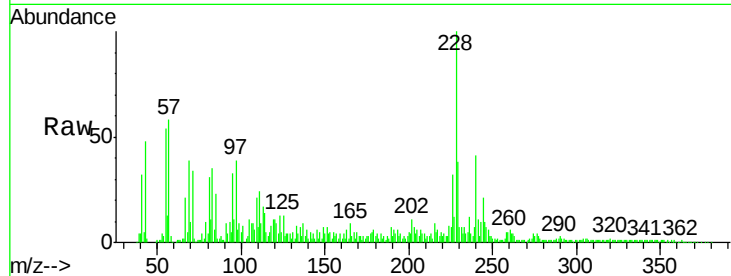
Tgt Ion:228 Resp: 179756

Ion Ratio Lower Upper

228 100

226 31.9 22.2 33.4

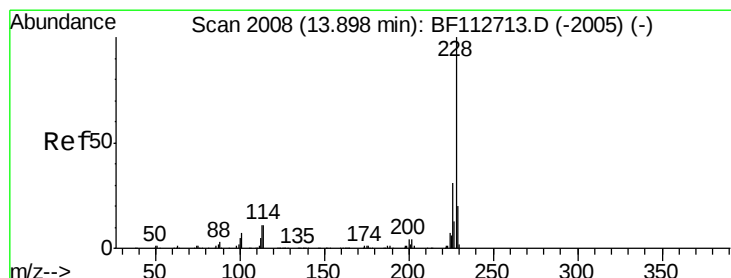
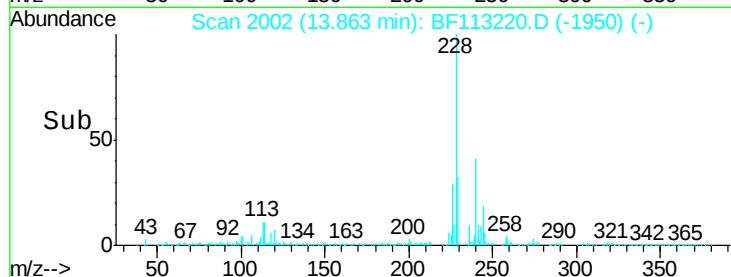
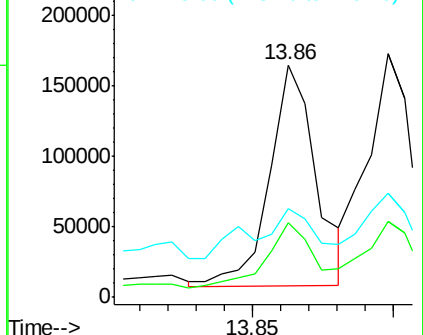
229 37.9 16.0 24.0#



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



#83

Chrysene

Concen: 6.860 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

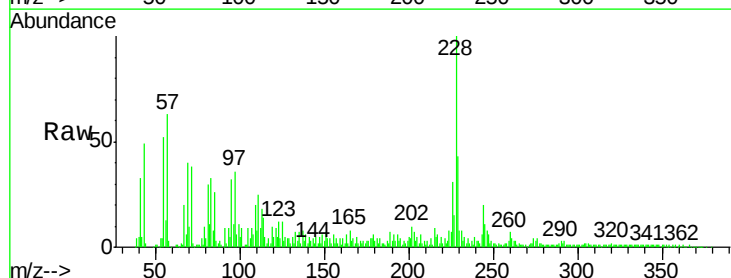
Tgt Ion:228 Resp: 179290

Ion Ratio Lower Upper

228 100

226 31.4 24.9 37.3

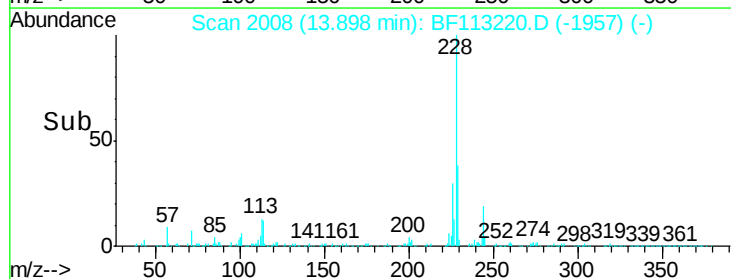
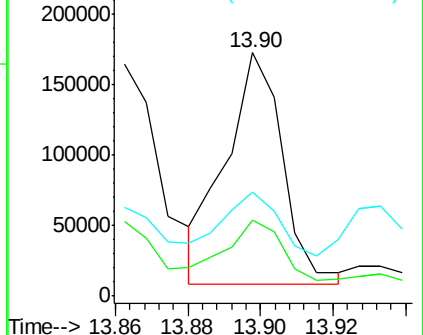
229 42.9 16.3 24.5#

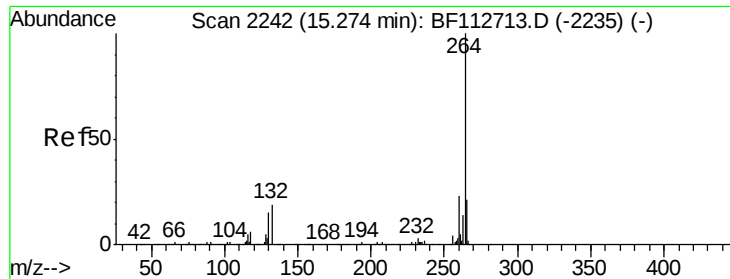


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

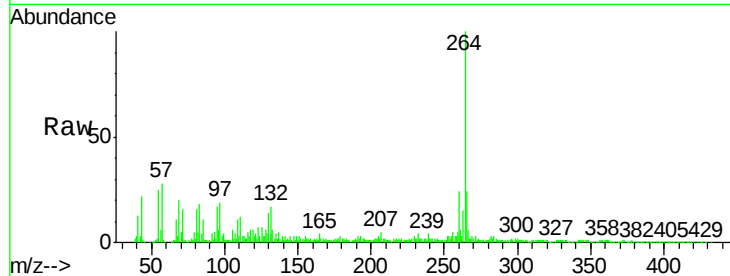




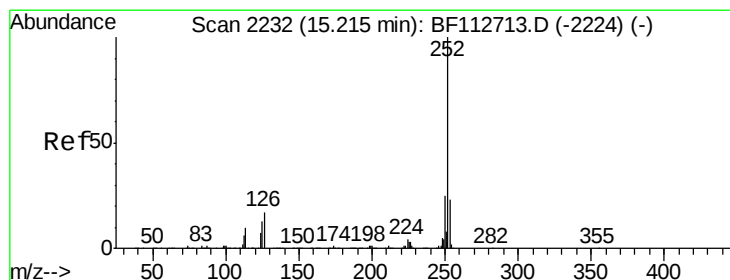
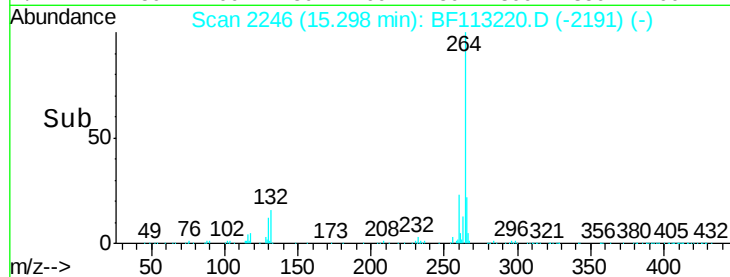
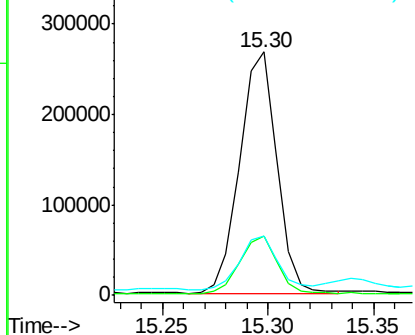
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

Tgt Ion:264 Resp: 325504
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 24.3 17.2 25.8

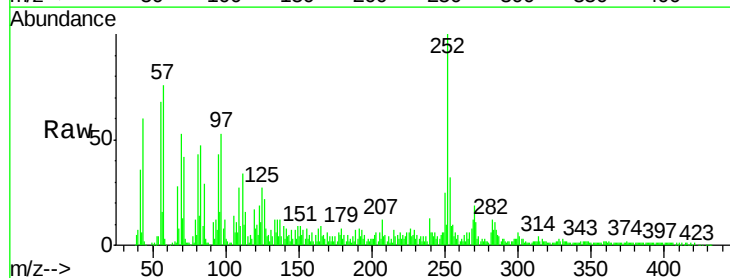


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

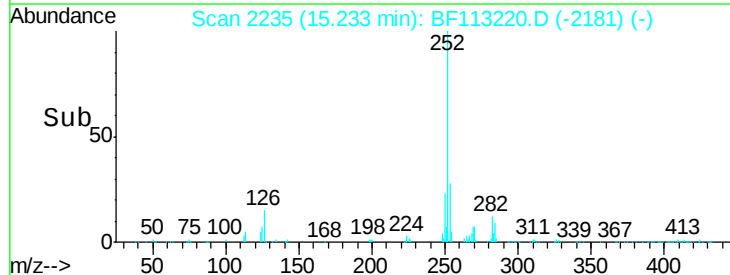
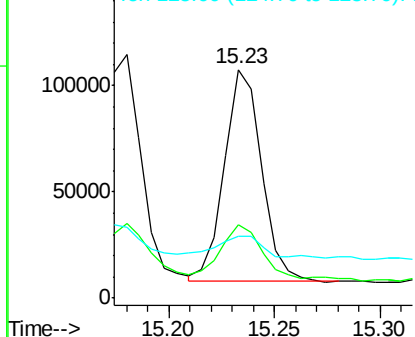


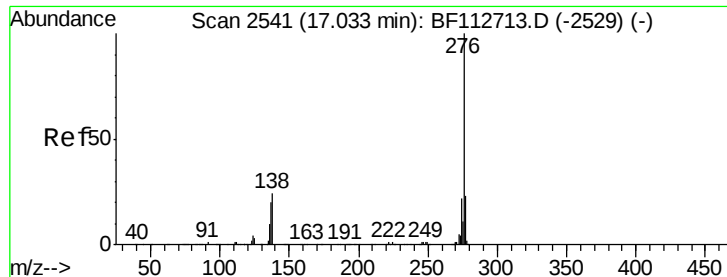
#90
Benzo(a)pyrene
Concen: 6.497 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.02 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:252 Resp: 120994
Ion Ratio Lower Upper
252 100
253 32.0 18.0 27.0#
125 27.3 10.7 16.1#



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: 4.993 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.03 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Instrument :

BNA_F

ClientSampleId :

SB-22(7-8)

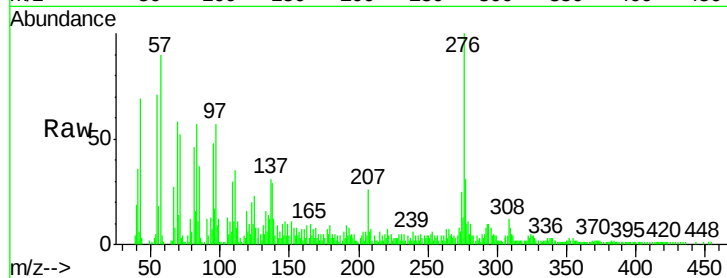
Tgt Ion:276 Resp: 79681

Ion Ratio Lower Upper

276 100

277 30.8 18.6 27.8#

138 29.0 19.4 29.0



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

