

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116686.D
 Acq On : 31 Aug 2019 7:50
 Operator : HP/JU
 Sample : K4618-05 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-18-20

Quant Time: Aug 31 11:47:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

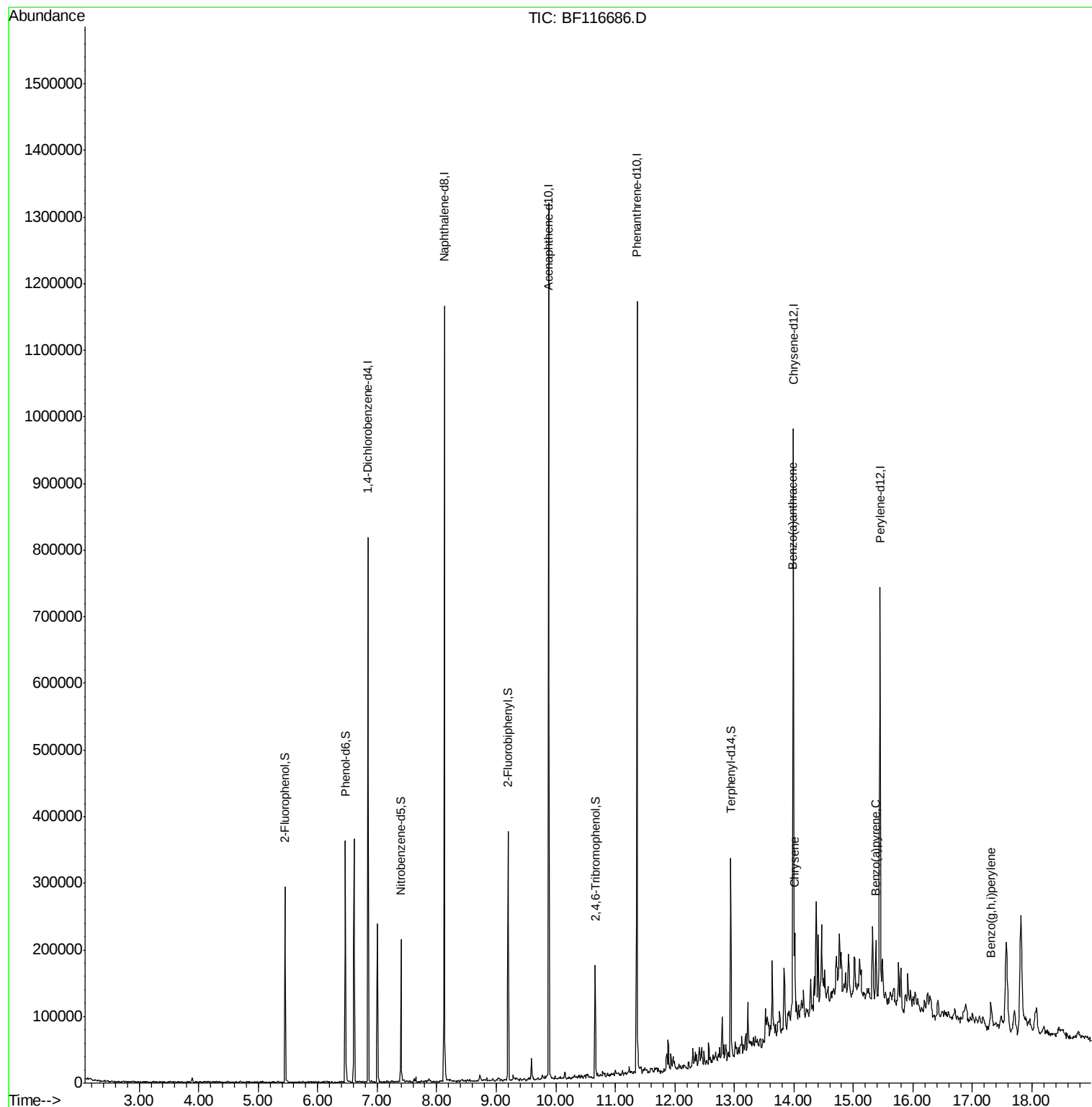
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107711	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	449289	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	229969	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	366469	20.00	ng	0.00
76) Chrysene-d12	13.99	240	240930	20.00	ng	0.00
87) Perylene-d12	15.44	264	255042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	77701	11.69	ng	-0.01
7) Phenol-d6	6.46	99	105664	12.10	ng	-0.02
23) Nitrobenzene-d5	7.40	82	60415	7.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	17059	11.10	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	100722	7.39	ng	-0.01
79) Terphenyl-d14	12.94	244	81159	6.23	ng	-0.01
Target Compounds						
81) Benzo(a)anthracene	13.98	228	41070	2.693	ng	# 94
83) Chrysene	14.02	228	39939	2.542	ng	# 92
90) Benzo(a)pyrene	15.38	252	36013	2.685	ng	# 90
92) Benzo(g,h,i)perylene	17.31	276	27730	2.316	ng	# 89

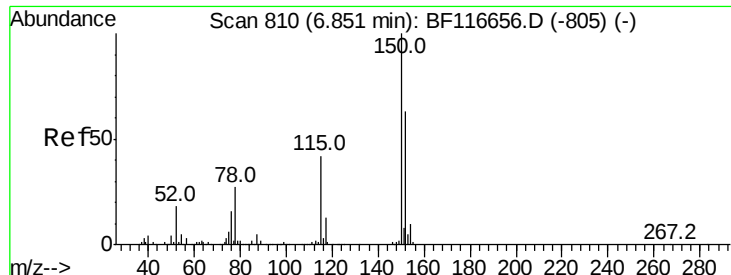
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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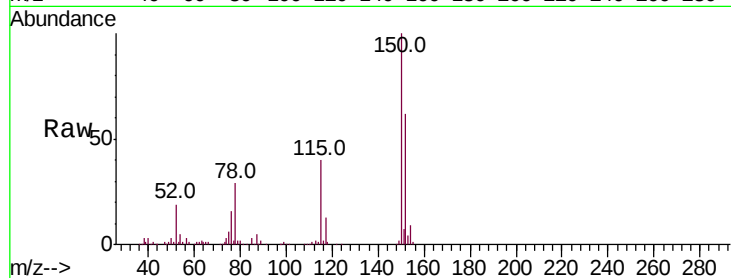


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Instrument :
BNA_F
ClientSampleId :
SB-4-18-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	63.3	49.9	74.9

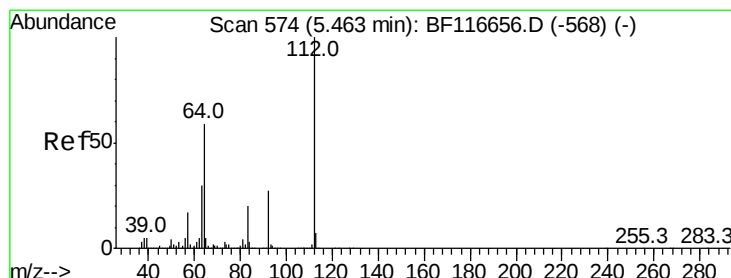
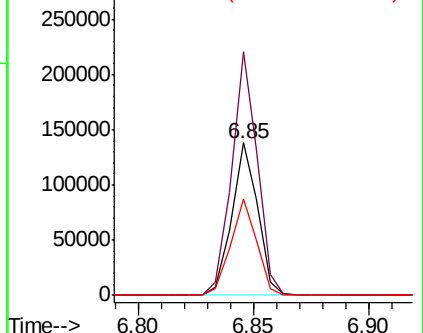
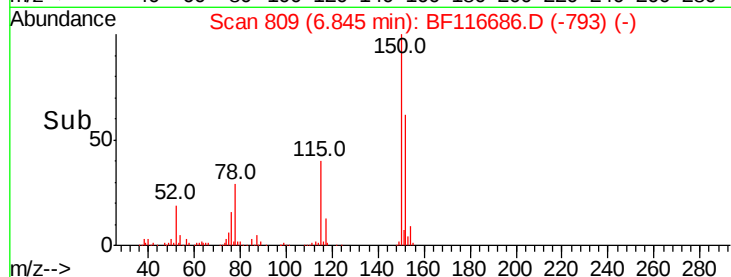


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

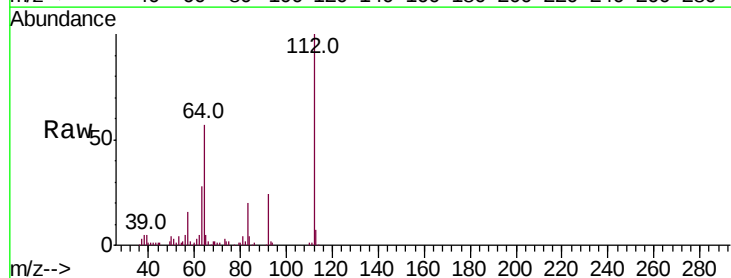
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.687 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.1	70.7
63	28.3	24.9	37.3

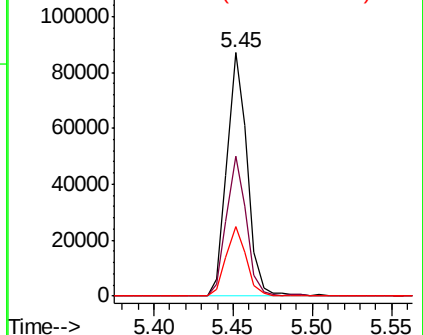
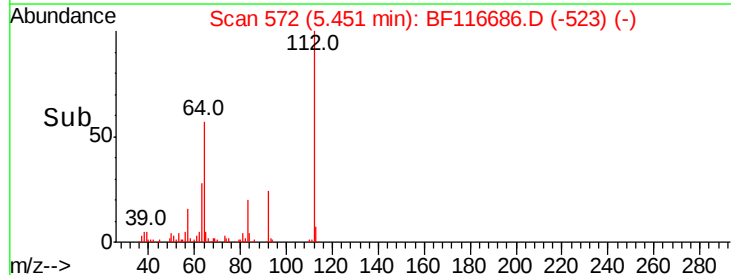


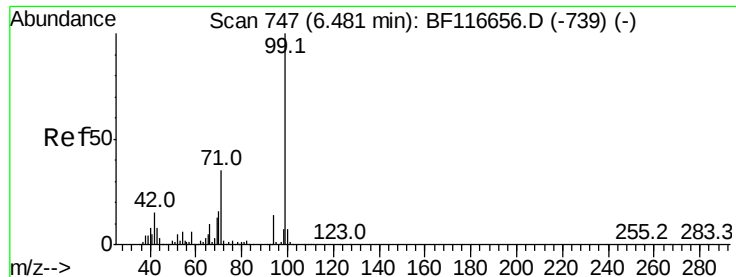
Abundance

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: 12.103 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

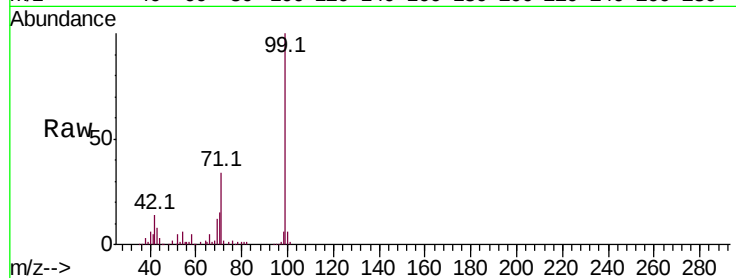
Tot Ion: 99 Resp: 105664

Ion Ratio Lower Upper

99 100

42 13.9 13.7 20.5

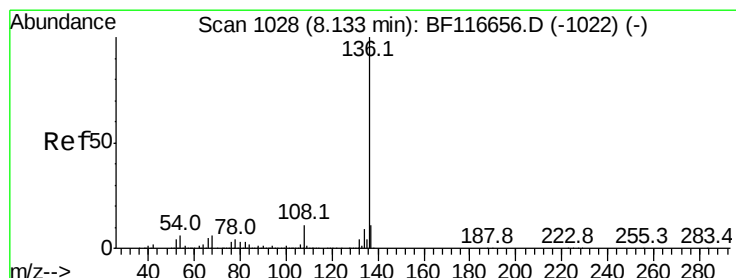
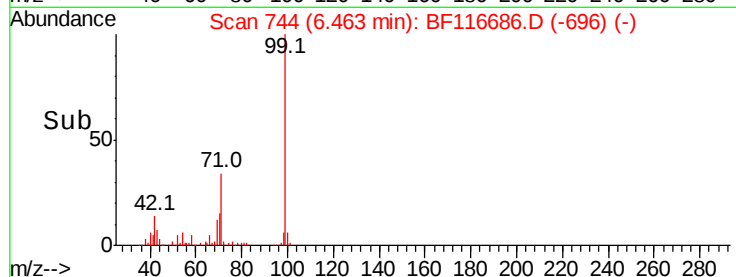
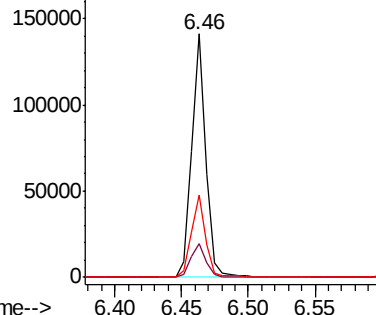
71 33.8 30.8 46.2



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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Tgt Ion: 136 Resp: 449289

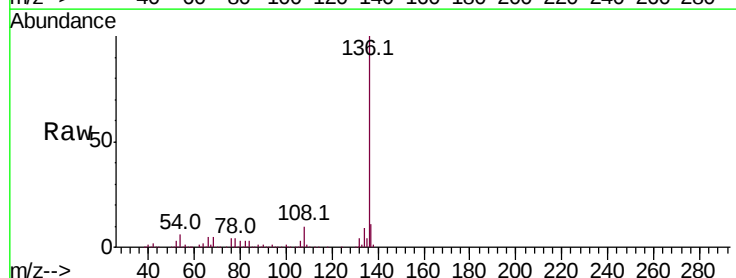
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.2 4.8 7.2

68 5.4 4.0 6.0

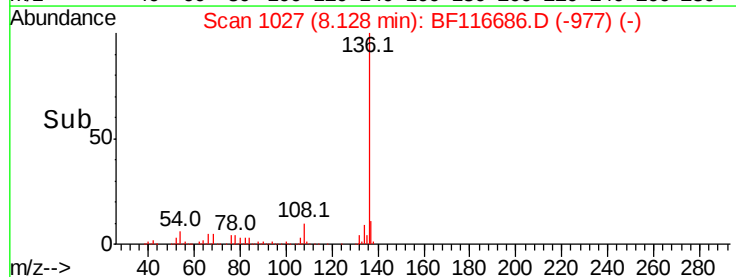
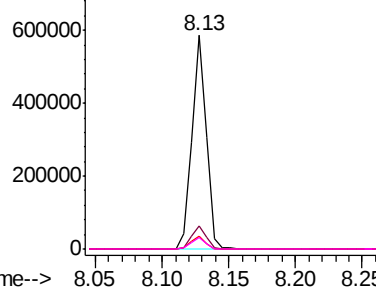


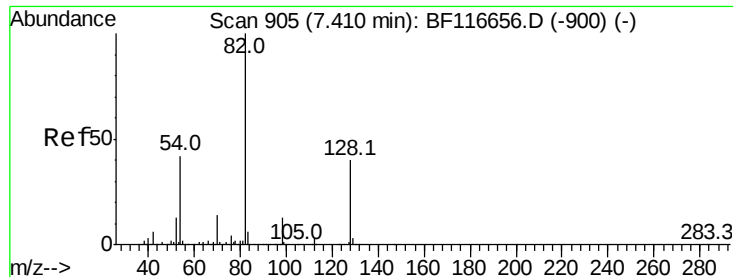
Abundance Ion 136.00 (135.70 to 136.70): E

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

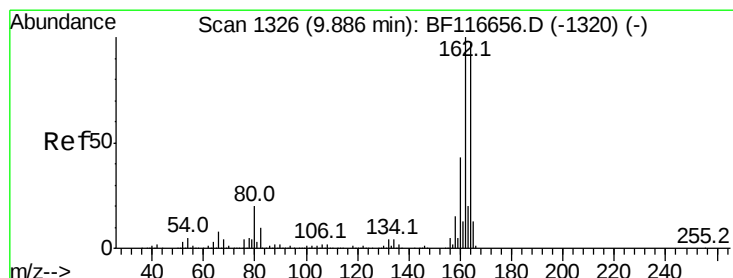
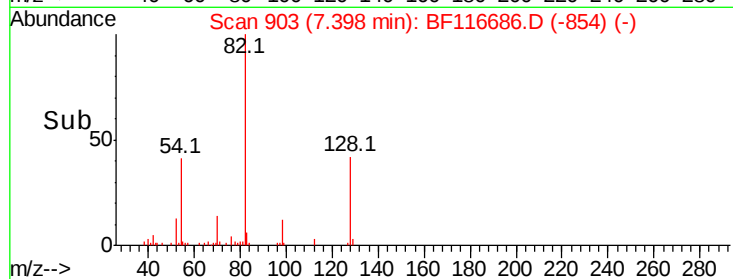
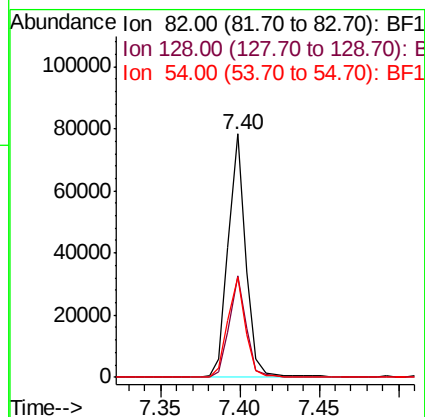
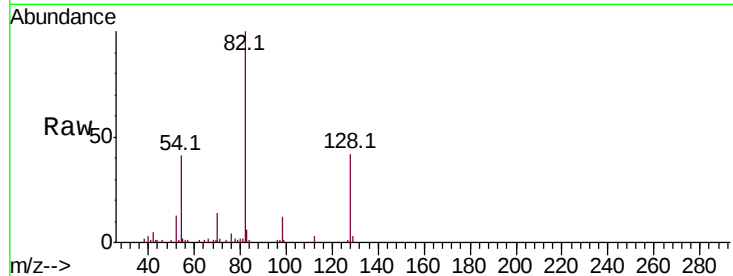




#23
Nitrobenzene-d5
Concen: 7.676 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

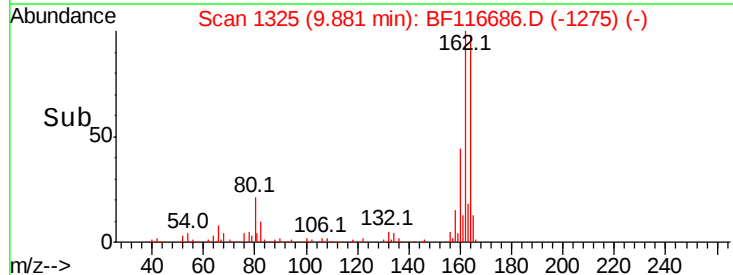
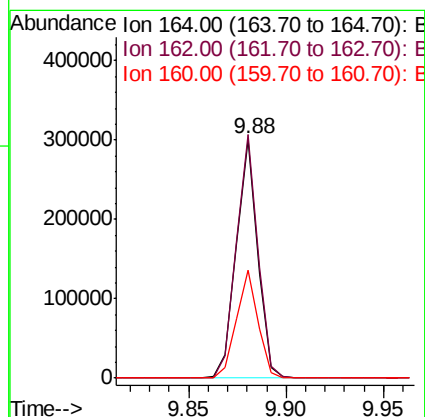
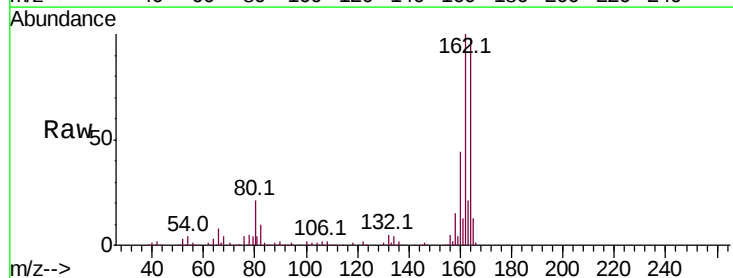
Instrument :
BNA_F
ClientSampleId :
SB-4-18-20

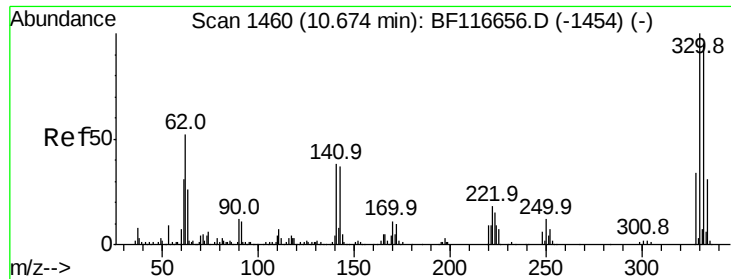
Tot Ion	82	Resp	60415
Ion Ratio	100	Lower	Upper
128	41.9	32.8	49.2
54	41.0	36.9	55.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion	164	Resp	229969
Ion Ratio	100	Lower	Upper
162	102.0	81.4	122.0
160	45.1	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 11.096 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

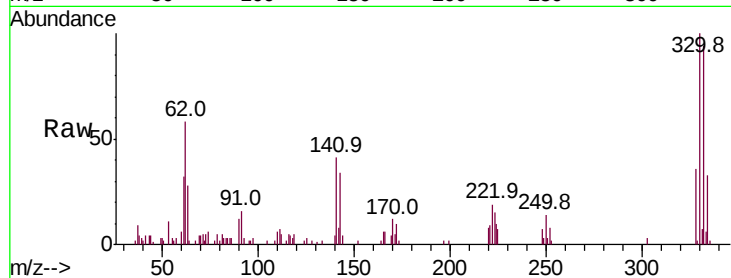
Tot Ion:330 Resp: 17059

Ion Ratio Lower Upper

330 100

332 93.5 76.9 115.3

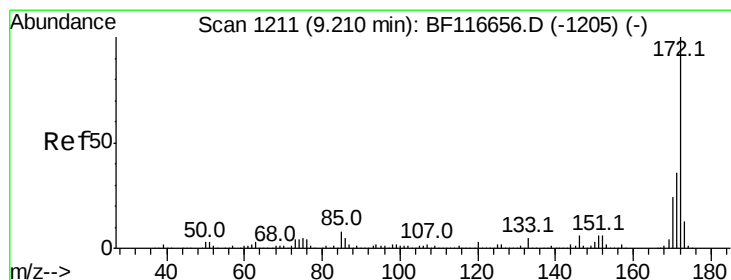
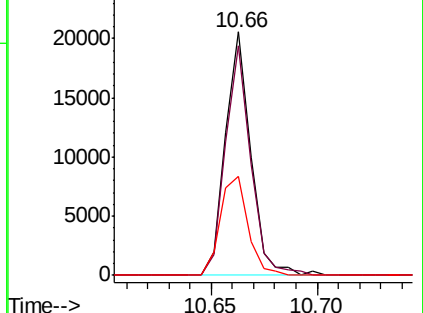
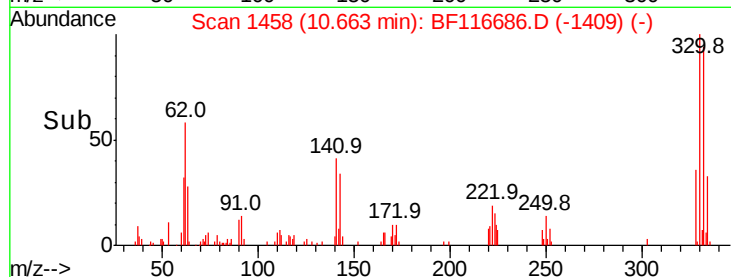
141 44.4 31.4 47.2



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: 7.388 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

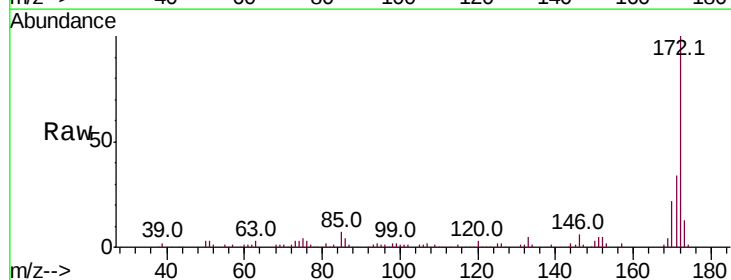
Tgt Ion:172 Resp: 100722

Ion Ratio Lower Upper

172 100

171 33.6 27.8 41.6

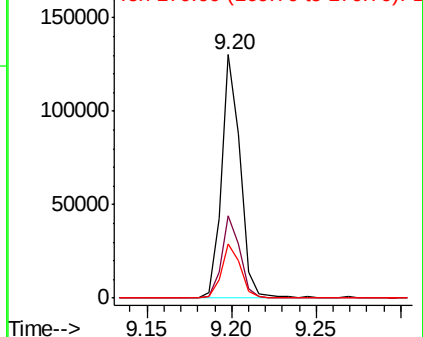
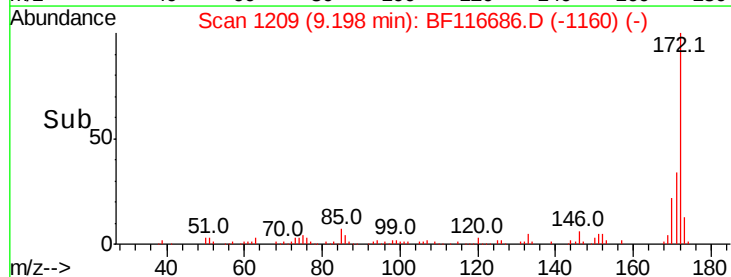
170 22.4 18.9 28.3

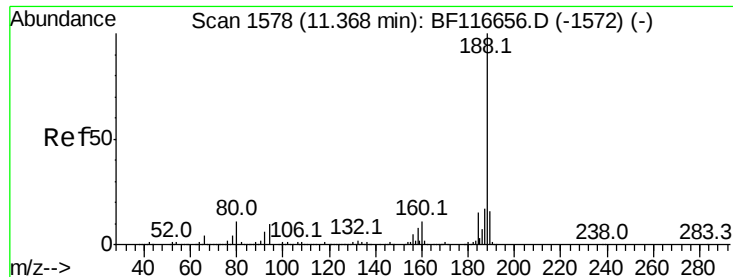


Abundance Ion 172.00 (171.70 to 172.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

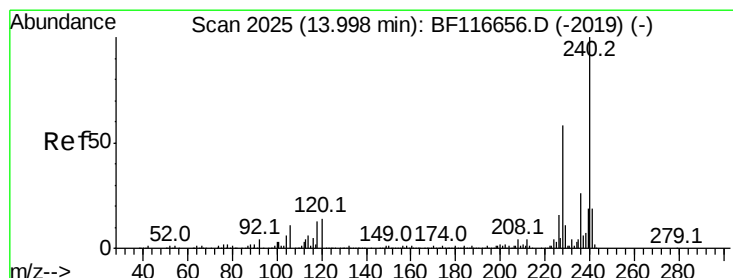
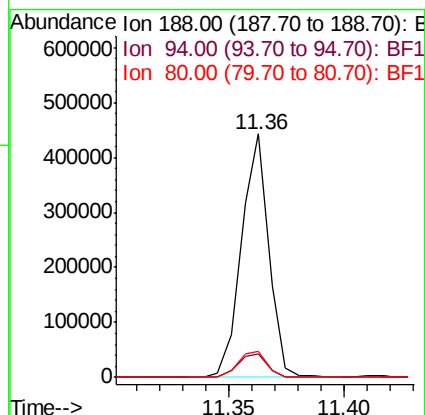
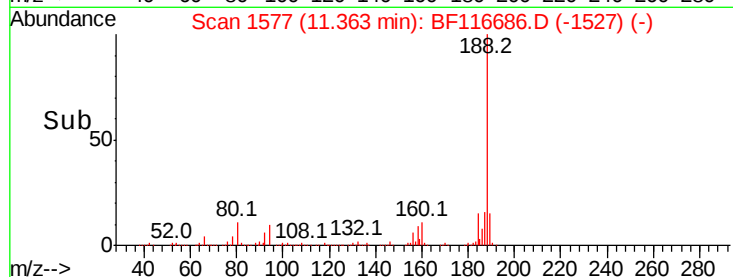
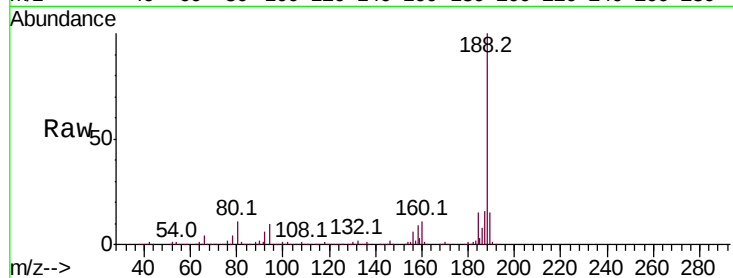
Tot Ion:188 Resp: 366469

Ion Ratio Lower Upper

188 100

94 9.9 7.3 10.9

80 10.9 8.4 12.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

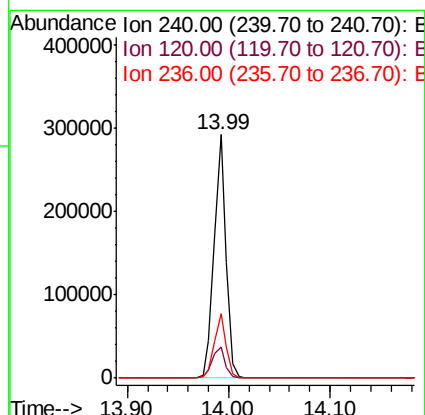
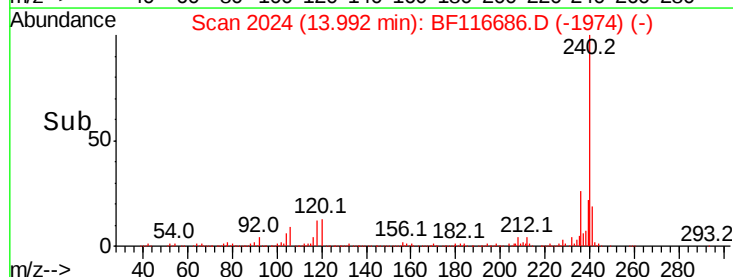
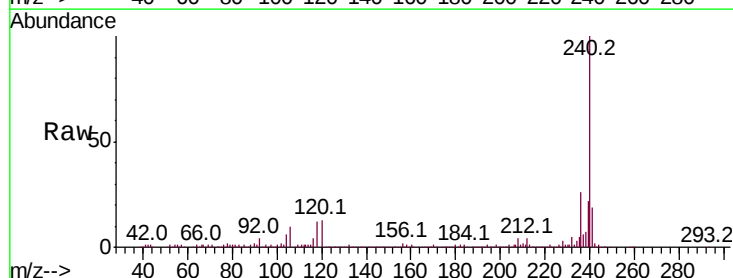
Tgt Ion:240 Resp: 240930

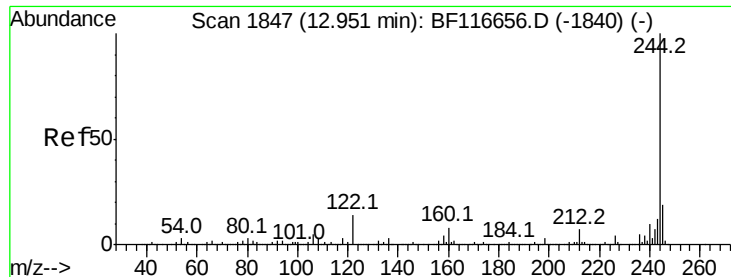
Ion Ratio Lower Upper

240 100

120 12.7 9.1 13.7

236 26.4 21.1 31.7





#79

Terphenyl-d14

Concen: 6.232 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

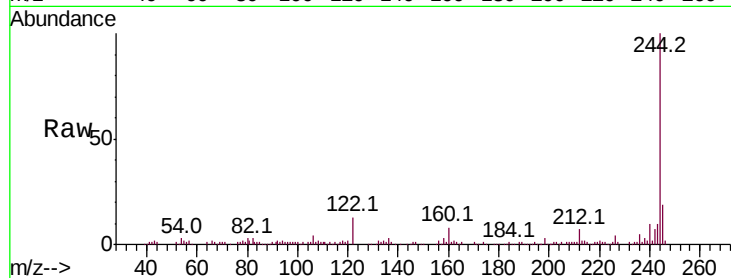
Tot Ion:244 Resp: 81159

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

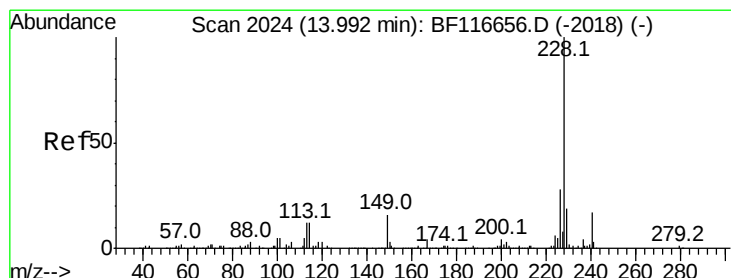
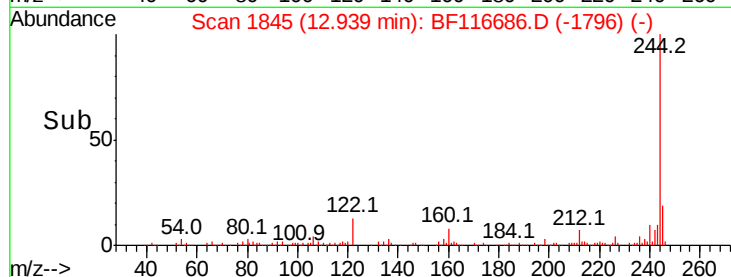
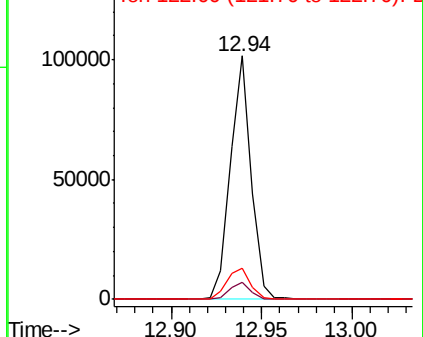
122 12.9 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.693 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

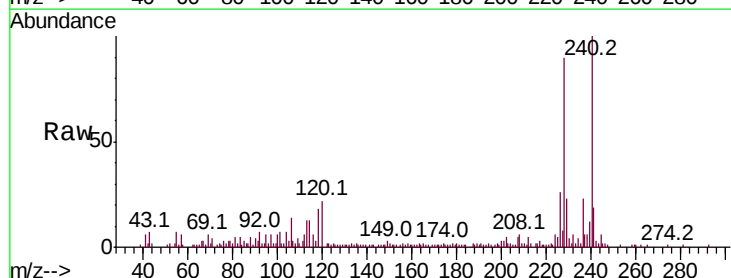
Tgt Ion:228 Resp: 41070

Ion Ratio Lower Upper

228 100

226 28.8 22.0 33.0

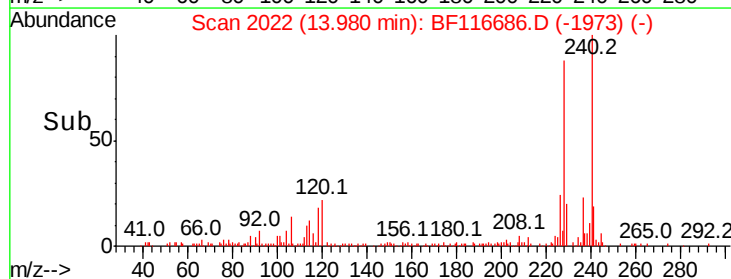
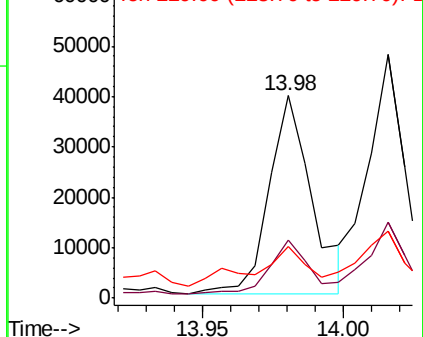
229 25.7 16.4 24.6#

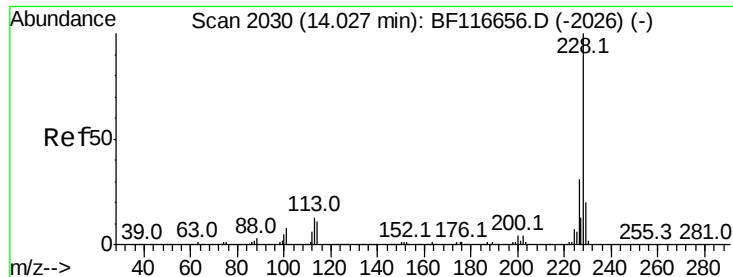


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.542 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

Instrument :

BNA_F

ClientSampleId :

SB-4-18-20

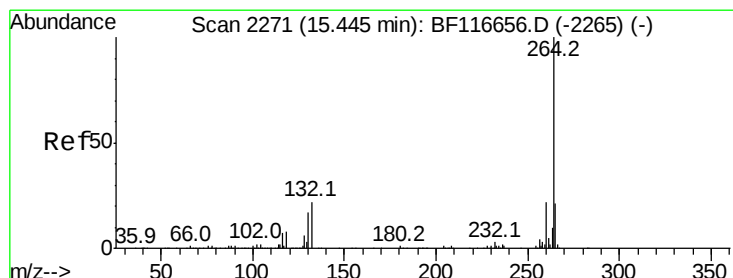
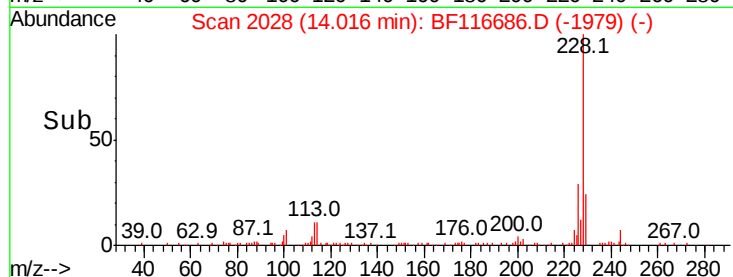
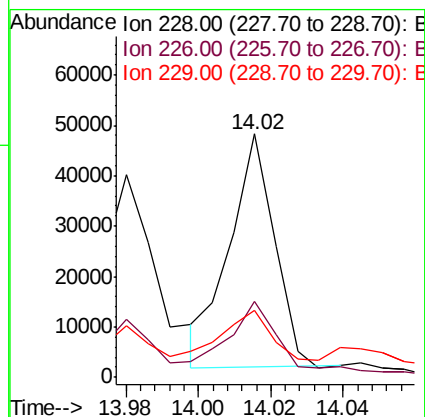
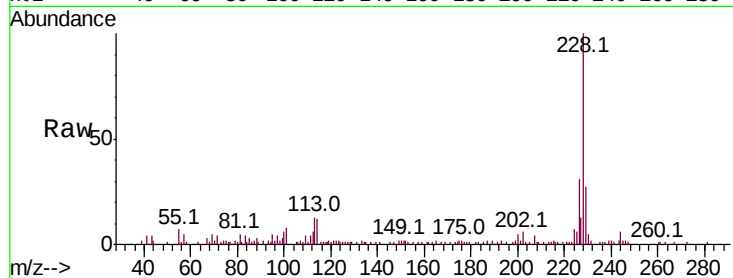
Tot Ion:228 Resp: 39939

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

229 27.4 15.4 23.0#



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116686.D

Acq: 31 Aug 2019 7:50

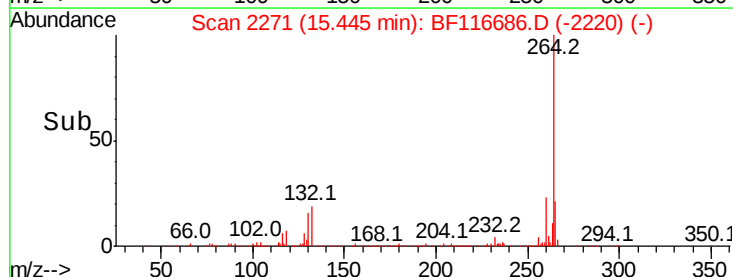
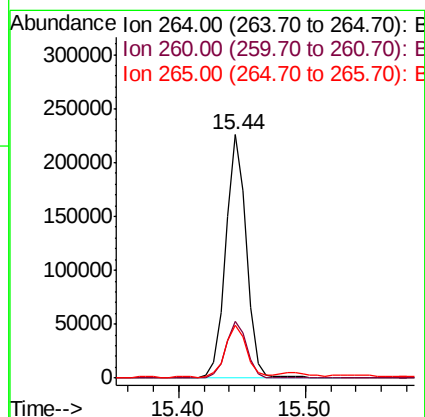
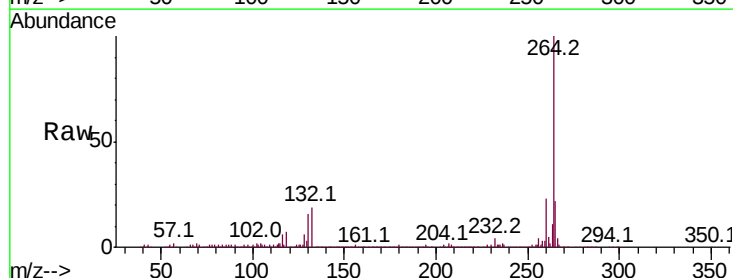
Tgt Ion:264 Resp: 255042

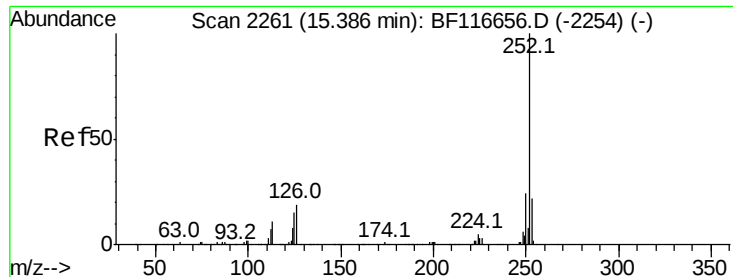
Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 21.7 16.5 24.7

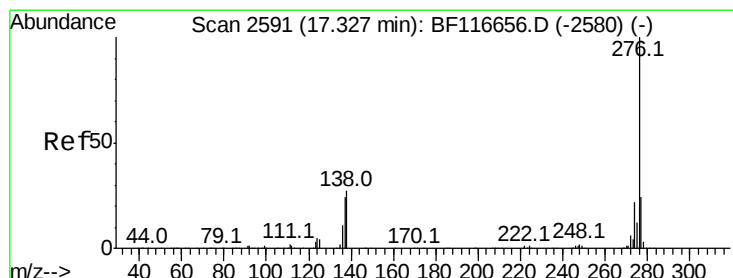
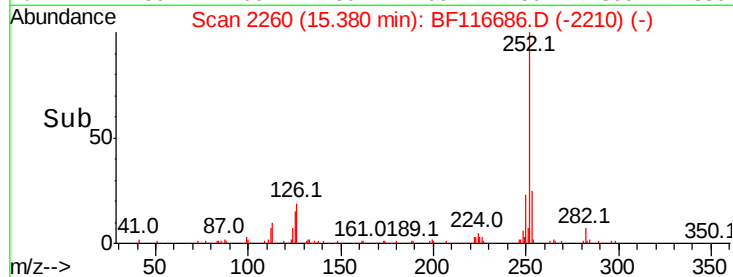
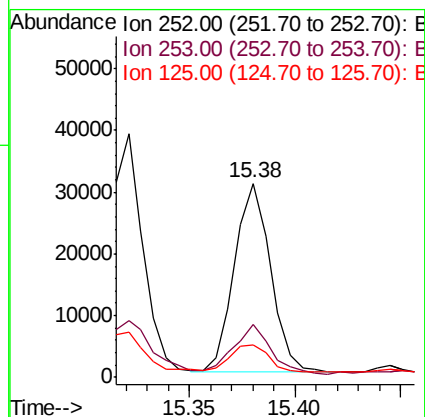
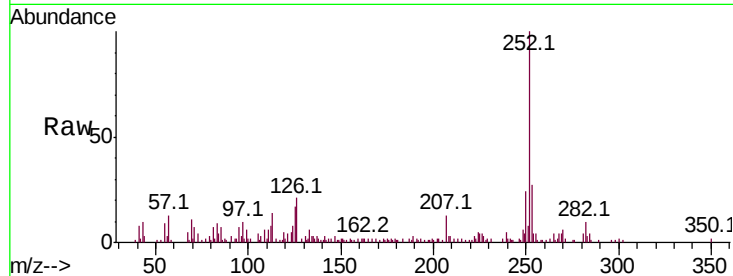




#90
Benzo(a)pyrene
Concen: 2.685 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Instrument :
BNA_F
ClientSampled :
SB-4-18-20

Tot Ion:252 Resp: 36013
Ion Ratio Lower Upper
252 100
253 27.2 18.1 27.1#
125 17.0 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 2.316 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.02 min
Lab File: BF116686.D
Acq: 31 Aug 2019 7:50

Tgt Ion:276 Resp: 27730
Ion Ratio Lower Upper
276 100
277 21.3 18.5 27.7
138 29.2 16.2 24.2#

