

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
 Data File : BF116463.D
 Acq On : 21 Aug 2019 14:08
 Operator : HP/JU
 Sample : K4421-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 16:16:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105476	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	409875	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	209272	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	301546	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	231902	20.00	ng	-0.02
87) Perylene-d12	15.43	264	186614	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	632556	100.40	ng	-0.01
7) Phenol-d6	6.45	99	845295	106.34	ng	-0.02
23) Nitrobenzene-d5	7.36	82	514403	72.44	ng	-0.03
42) 2,4,6-Tribromophenol	10.62	330	144442	71.19	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	872002	78.05	ng	-0.02
79) Terphenyl-d14	12.90	244	738802	67.13	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	66953	13.592	ng	# 79
25) Isophorone	7.36	82	514403	37.886	ng	# 65
50) Dimethylphthalate	9.55	163	142010	9.966	ng	98
57) 2,4-Dinitrotoluene	9.83	165	26685	6.472	ng	# 21
67) 4-Bromophenyl-phenylether	10.62	248	9228	2.859	ng	# 1
75) Fluoranthene	12.53	202	53418	3.310	ng	98
78) Pyrene	12.76	202	52495	3.003	ng	99
88) Benzo(b)fluoranthene	15.01	252	34636	3.210	ng	# 59
89) Benzo(k)fluoranthene	15.01	252	34636	3.296	ng	# 59

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

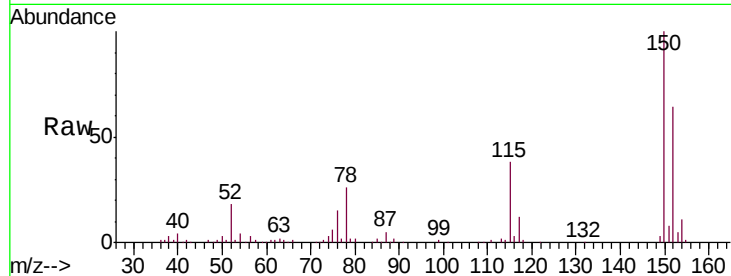


#1

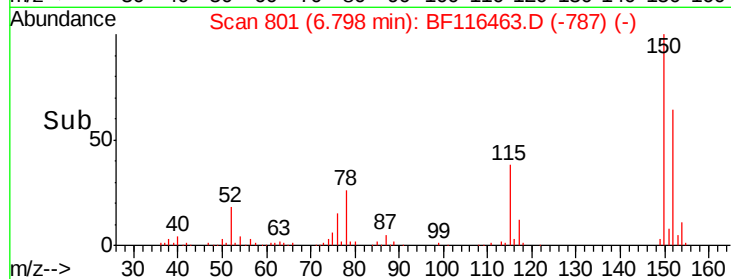
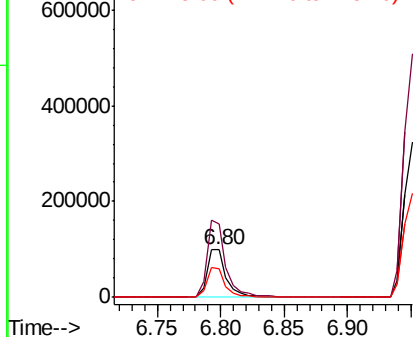
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 105476
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 59.7 49.9 74.9



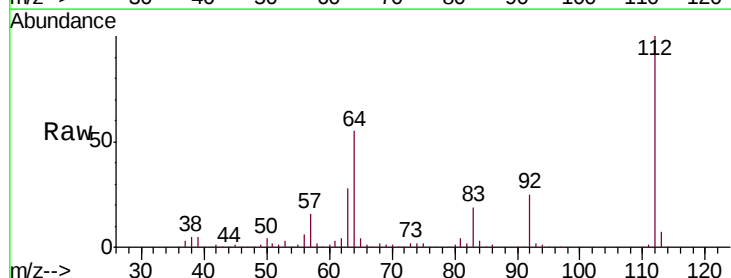
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



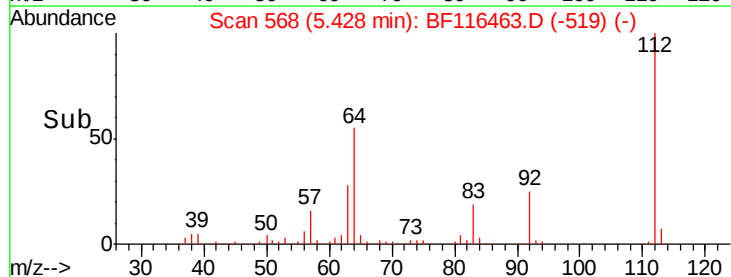
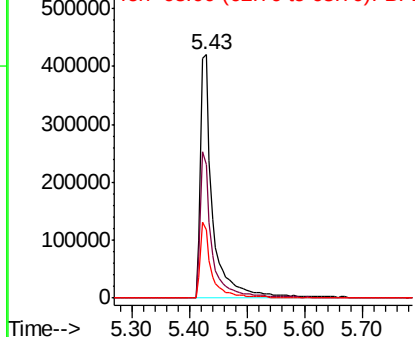
#5

2-Fluorophenol
Concen: 100.396 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

Tgt Ion:112 Resp: 632556
Ion Ratio Lower Upper
112 100
64 54.7 45.4 68.2
63 27.9 23.7 35.5



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: 106.335 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA_F

ClientSampled :

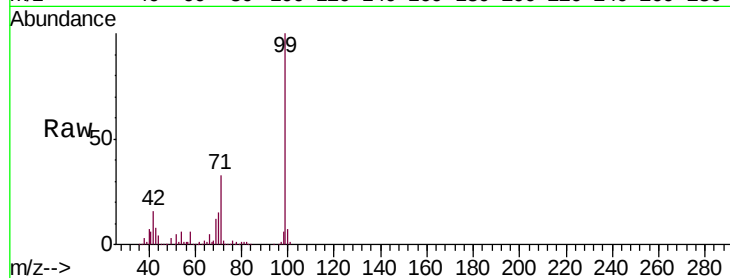
Tot Ion: 99 Resp: 845295

Ion Ratio Lower Upper

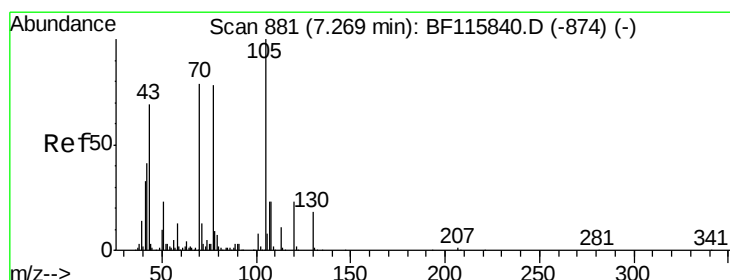
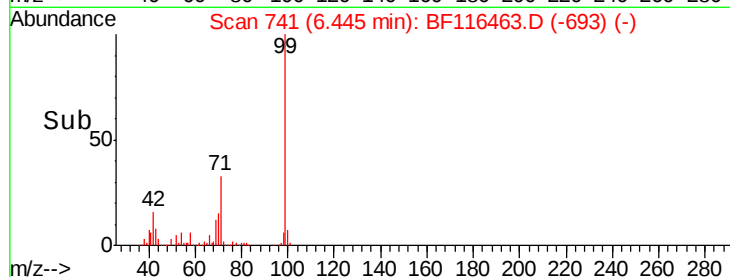
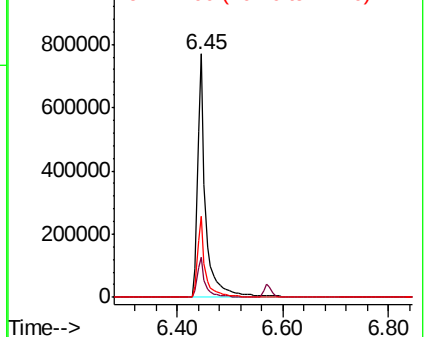
99 100

42 16.3 13.8 20.8

71 33.1 27.3 40.9



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: 13.592 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.12 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Tgt Ion: 70 Resp: 66953

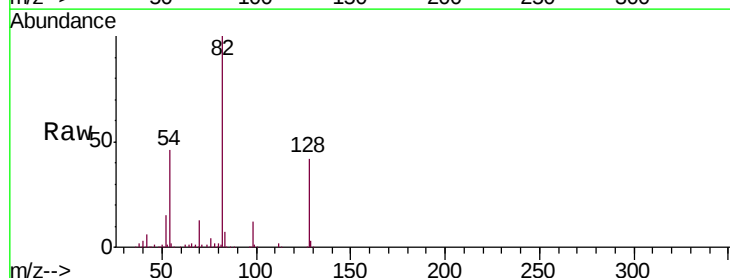
Ion Ratio Lower Upper

70 100

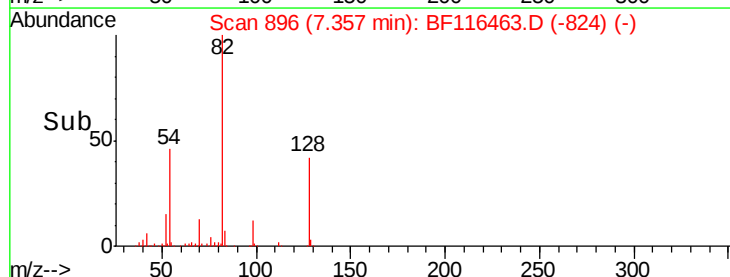
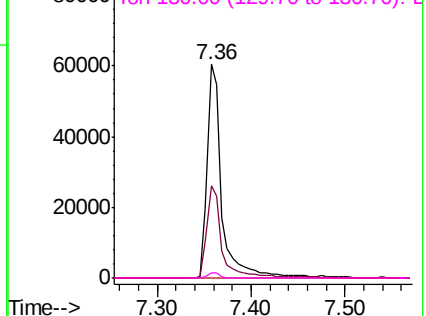
42 43.0 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#



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: 8.07 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 409875

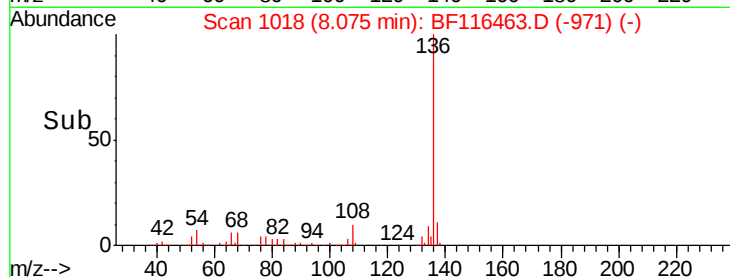
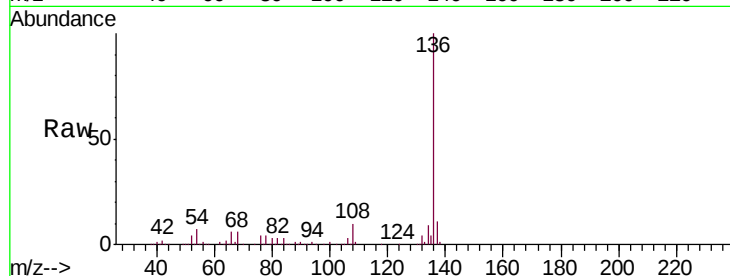
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.5 5.8 8.6

68 6.5 5.2 7.8

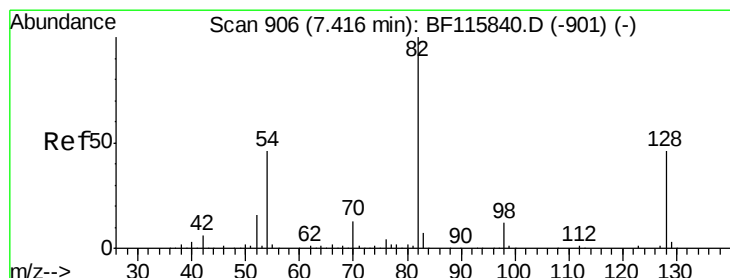
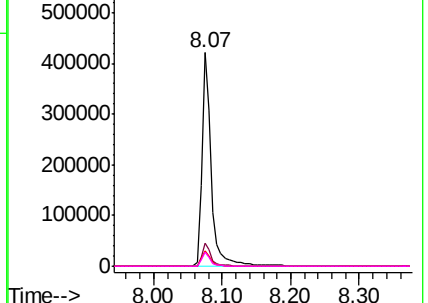


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.444 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.03 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

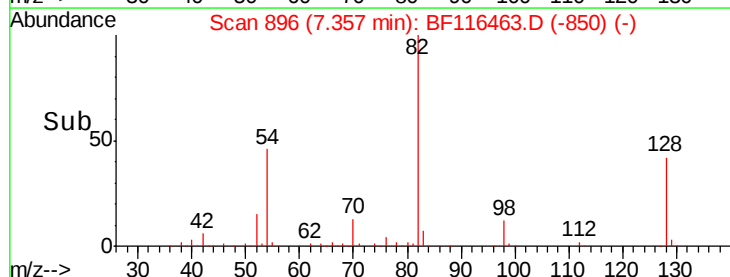
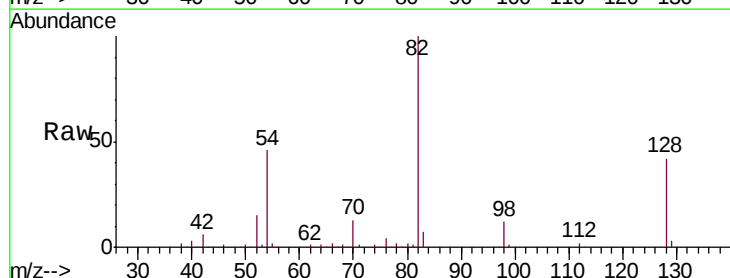
Tgt Ion: 82 Resp: 514403

Ion Ratio Lower Upper

82 100

128 42.4 36.5 54.7

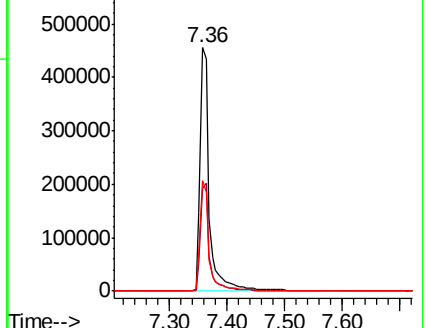
54 45.6 36.0 54.0



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: 37.886 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA_F

ClientSampled :

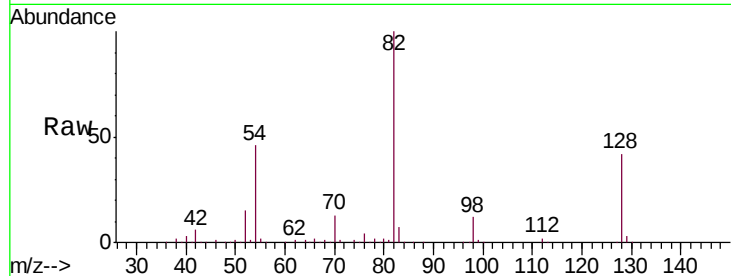
Tot Ion: 82 Resp: 514403

Ion Ratio Lower Upper

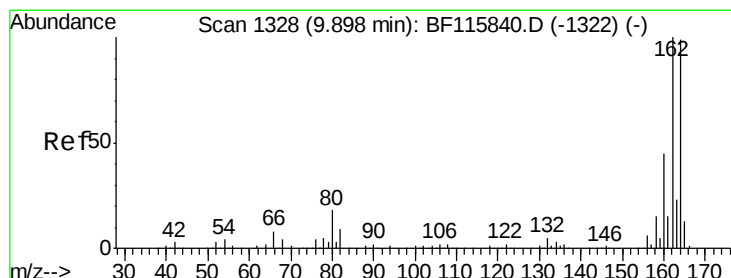
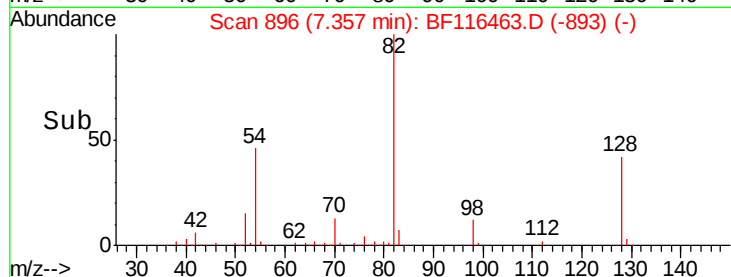
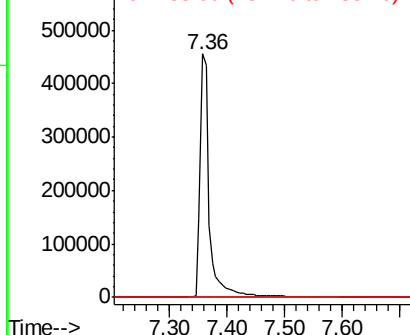
82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



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: 9.83 min Scan# 1316

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

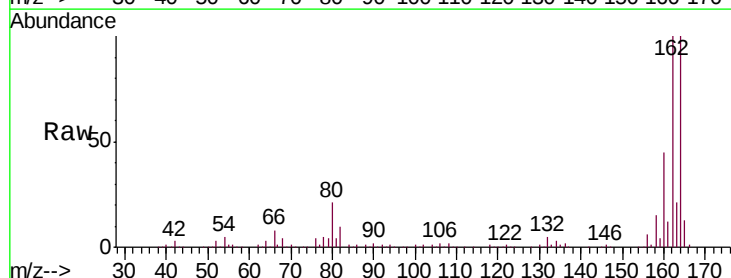
Tgt Ion:164 Resp: 209272

Ion Ratio Lower Upper

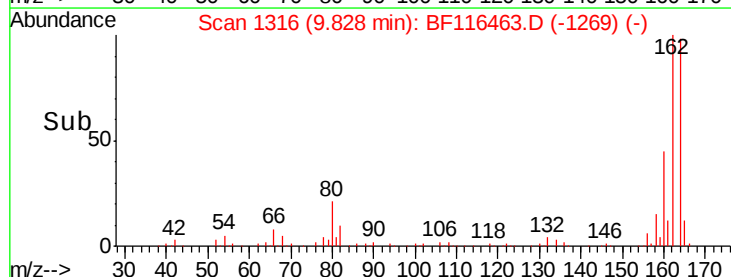
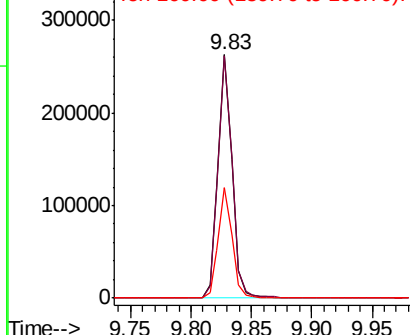
164 100

162 99.6 82.6 124.0

160 45.1 37.6 56.4



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: 71.191 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA_F

ClientSampleId :

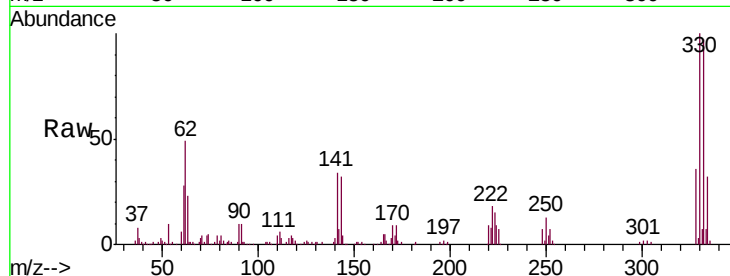
Tot Ion:330 Resp: 144442

Ion Ratio Lower Upper

330 100

332 97.9 76.8 115.2

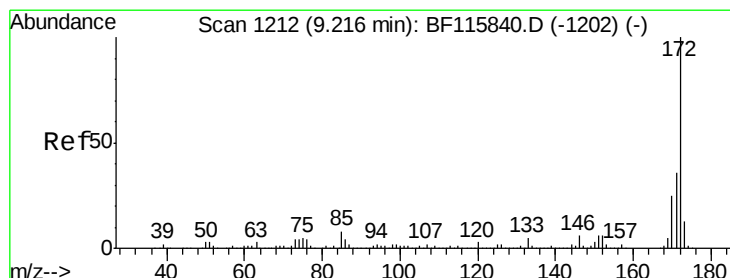
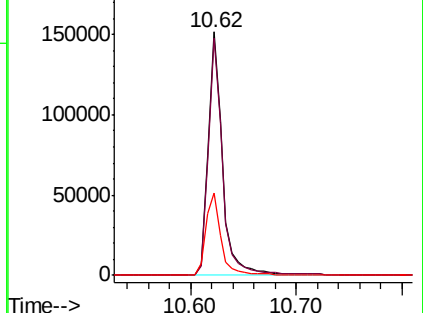
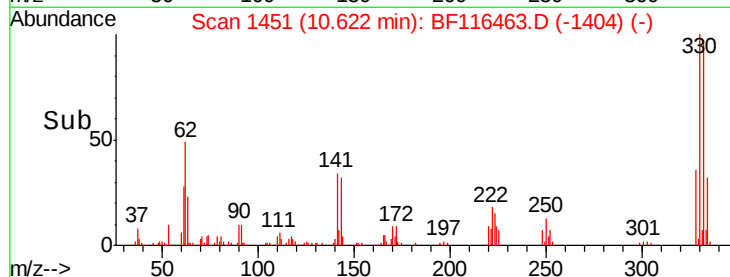
141 35.5 26.3 39.5



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: 78.048 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

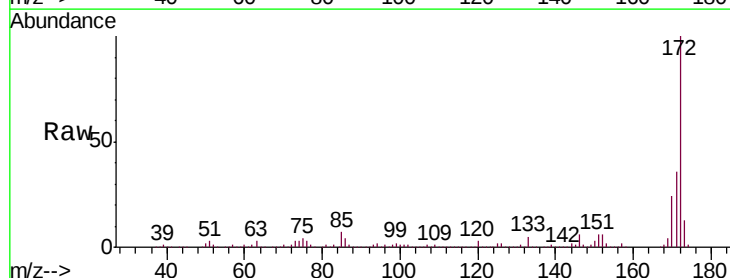
Tgt Ion:172 Resp: 872002

Ion Ratio Lower Upper

172 100

171 35.9 29.6 44.4

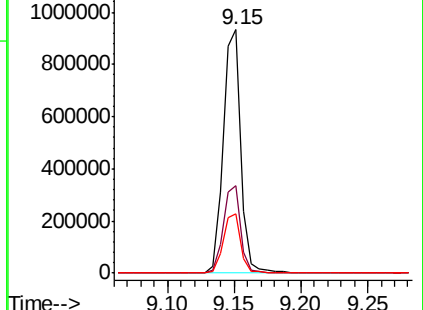
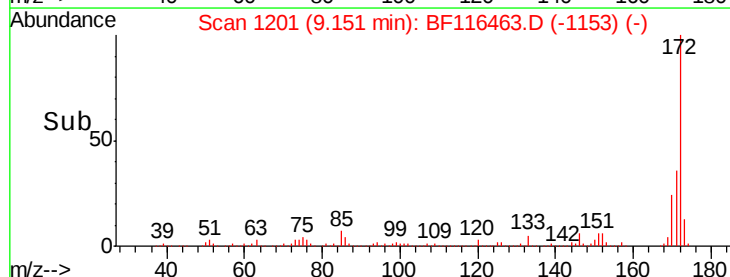
170 24.4 20.1 30.1

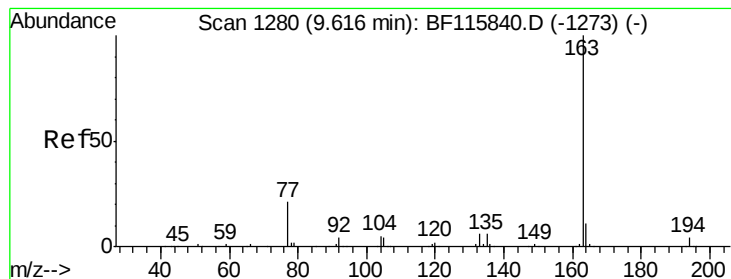


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.966 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA_F

ClientSampleId :

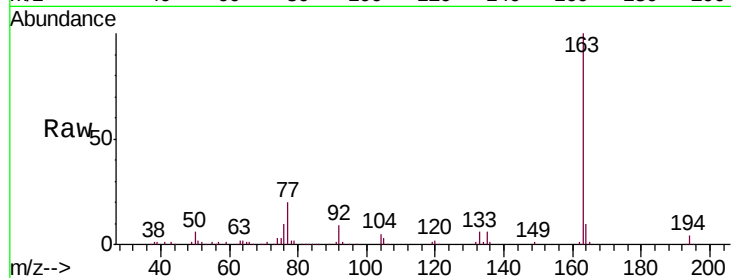
Tot Ion:163 Resp: 142010

Ion Ratio Lower Upper

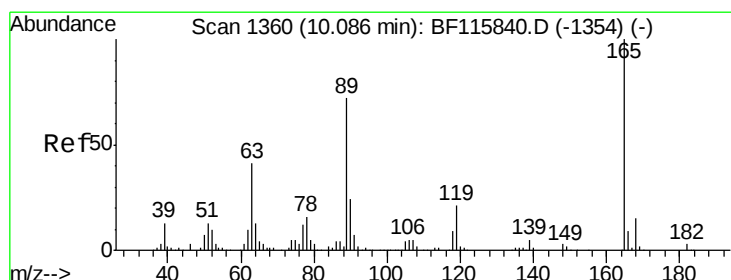
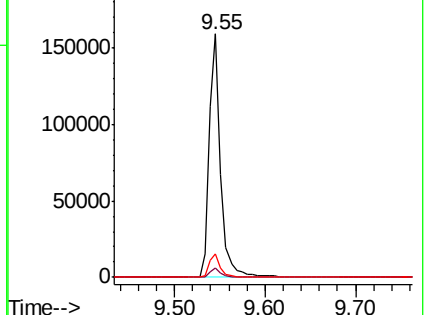
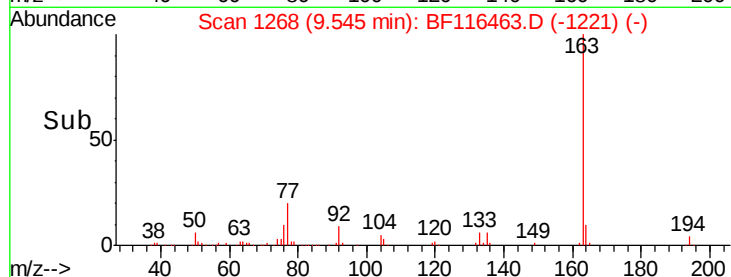
163 100

194 3.9 3.0 4.6

164 9.7 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: 6.472 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.22 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Tgt Ion:165 Resp: 26685

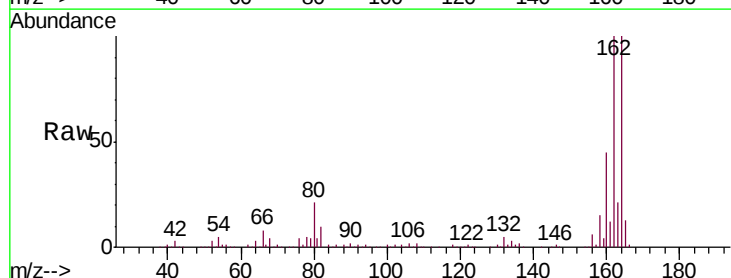
Ion Ratio Lower Upper

165 100

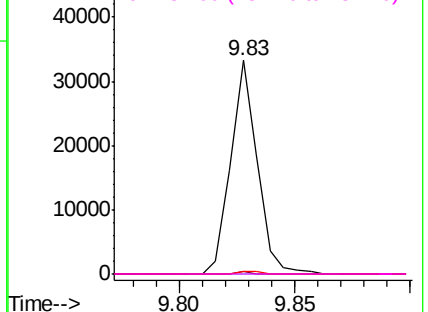
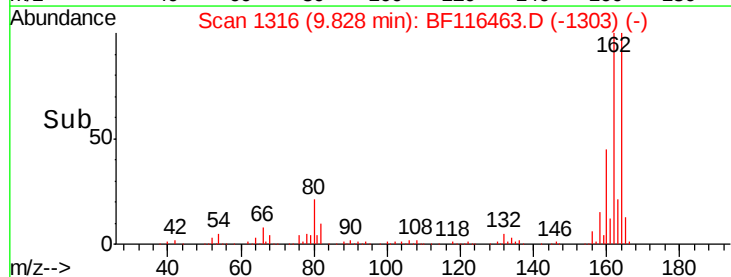
63 1.4 39.6 59.4#

89 1.4 62.2 93.2#

182 0.0 2.1 3.1#



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

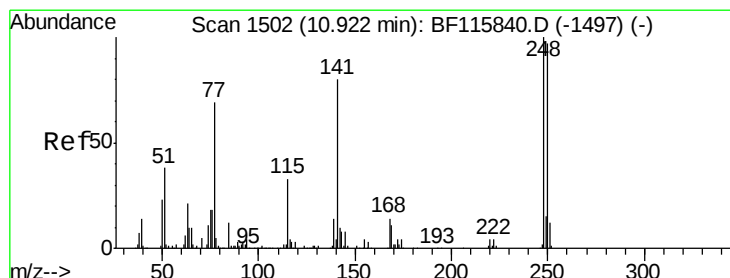
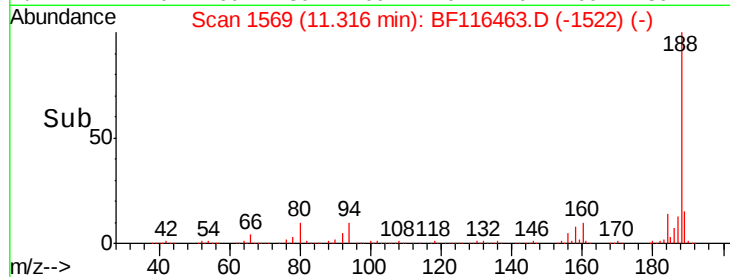
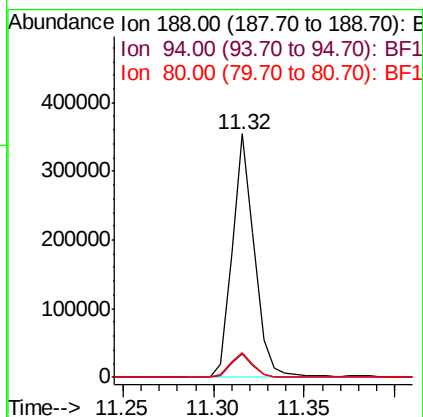
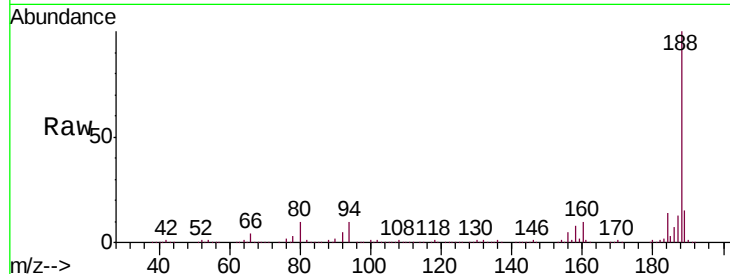




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

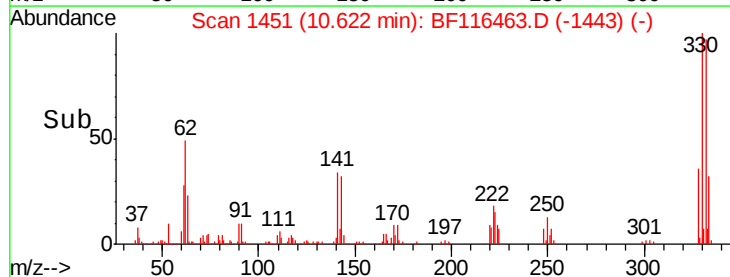
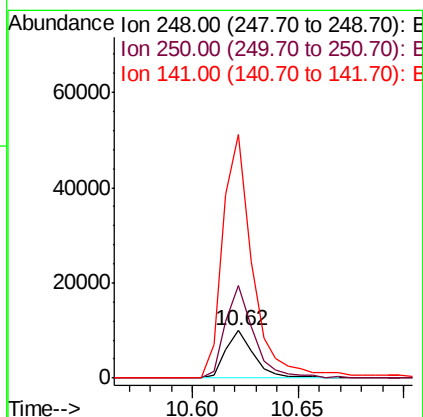
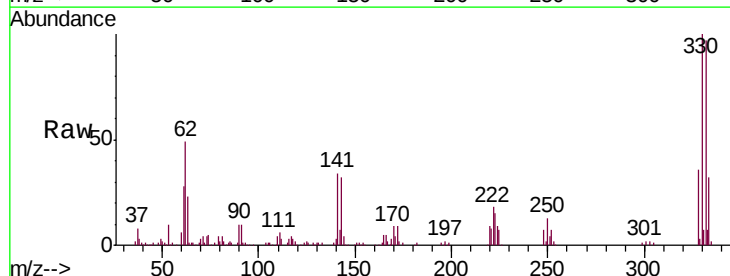
Instrument :
BNA_F
ClientSampleId :

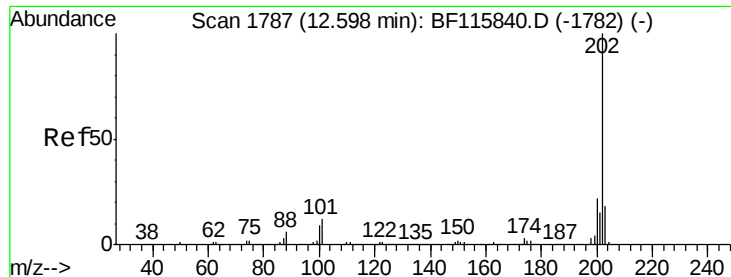
Tot Ion:188 Resp: 301546
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.3 8.7 13.1



#67
4-Bromophenyl-phenylether
Concen: 2.859 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

Tgt Ion:248 Resp: 9228
Ion Ratio Lower Upper
248 100
250 195.2 77.4 116.2#
141 516.4 56.8 85.2#





#75

Fluoranthene

Concen: 3.310 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA_F

ClientSampleId :

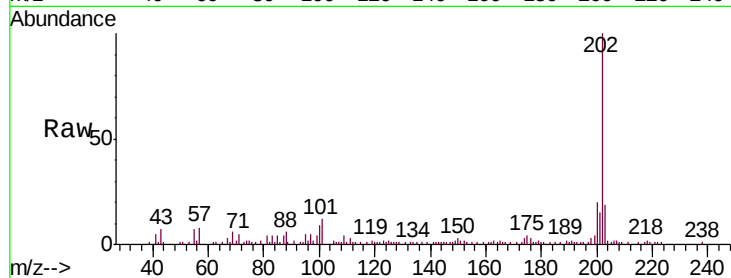
Tot Ion:202 Resp: 53418

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.2

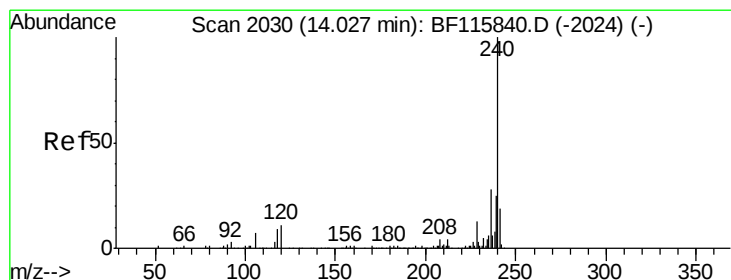
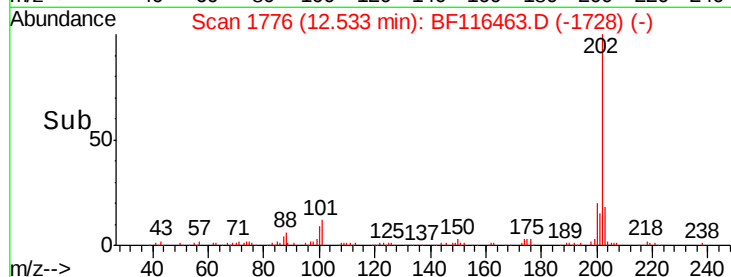
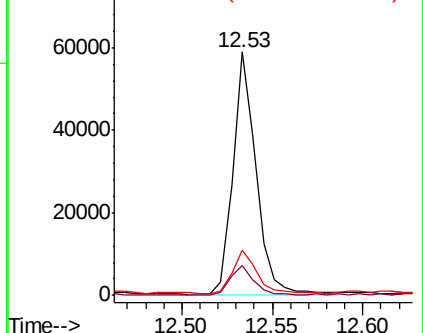
203 18.7 0.0 37.8



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: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

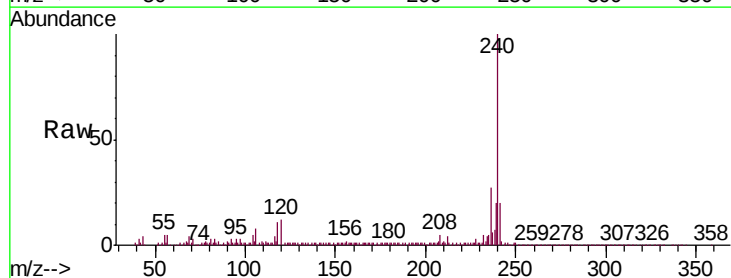
Tgt Ion:240 Resp: 231902

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

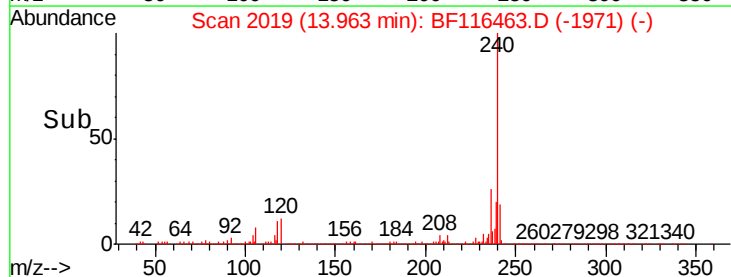
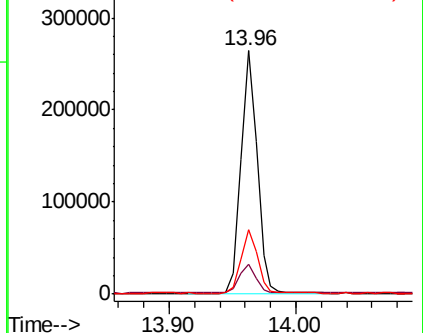
236 26.7 22.2 33.2

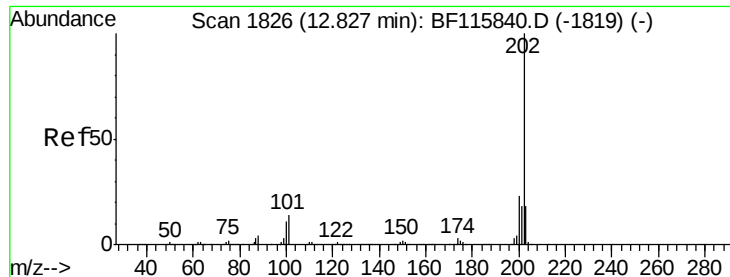


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

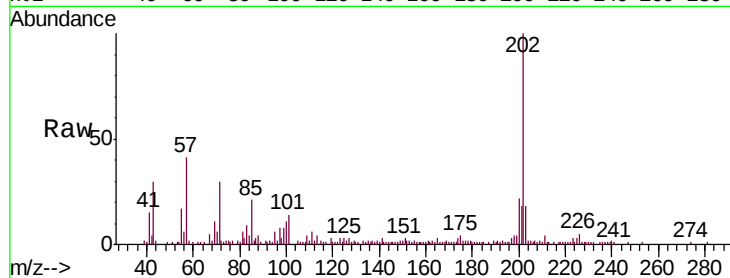




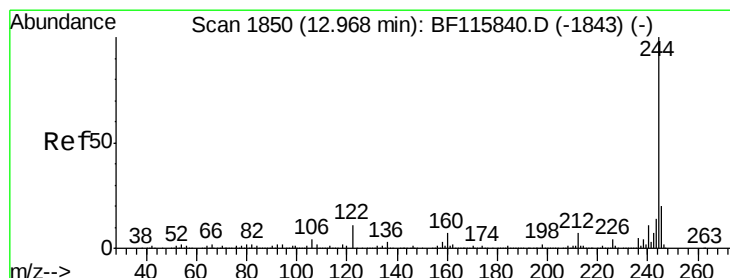
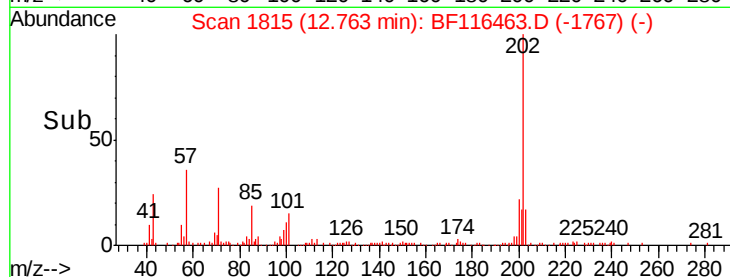
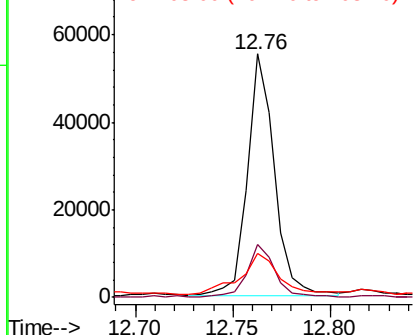
#78
Pvrene
Concen: 3.003 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.0	27.0
203	18.1	14.1	21.1

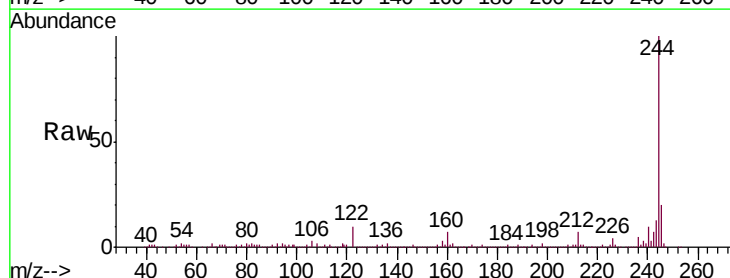


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

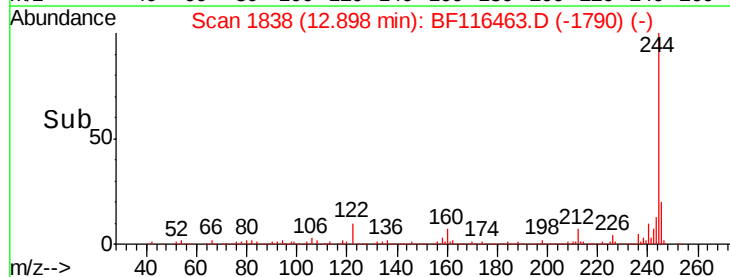
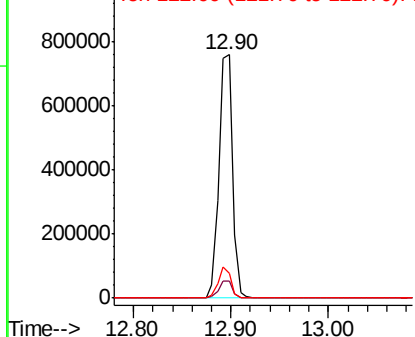


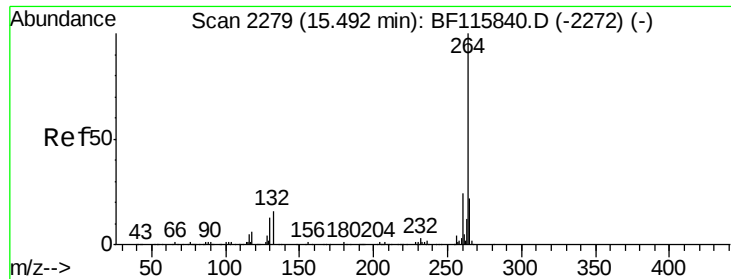
#79
Terphenyl-d14
Concen: 67.131 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	10.4	9.0	13.4



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

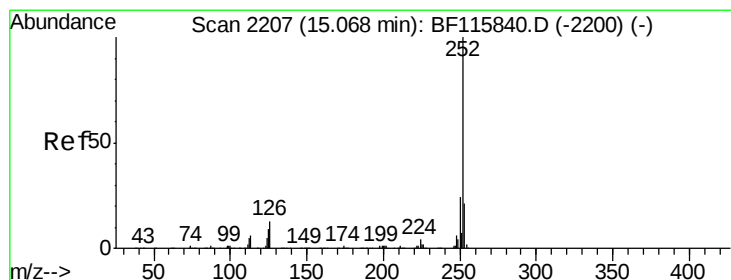
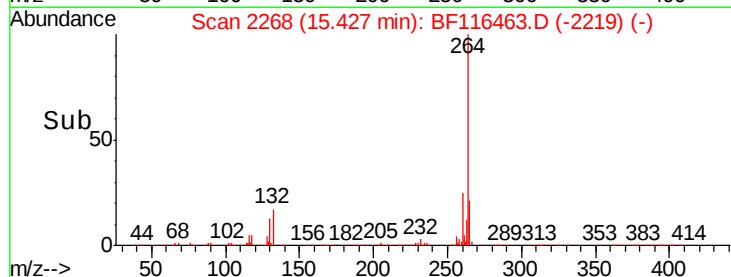
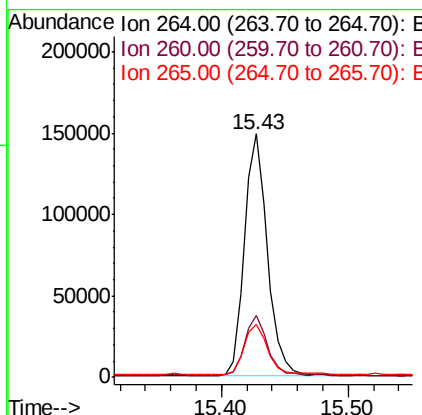
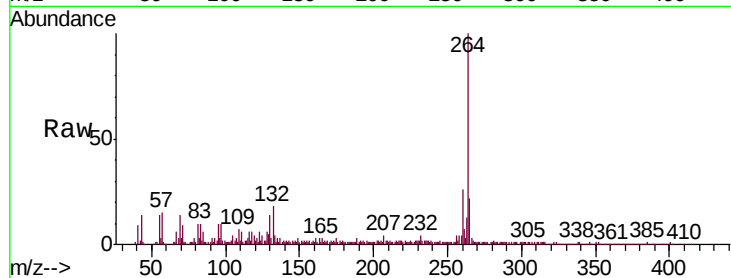




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

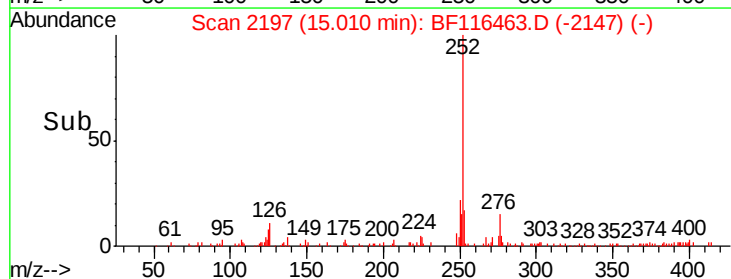
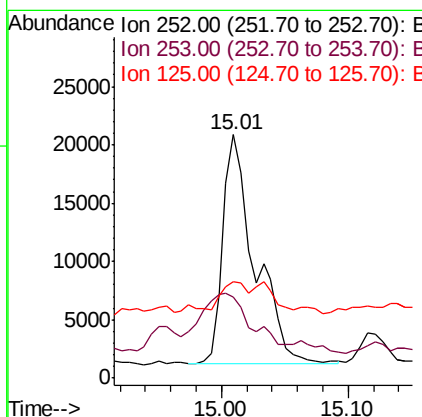
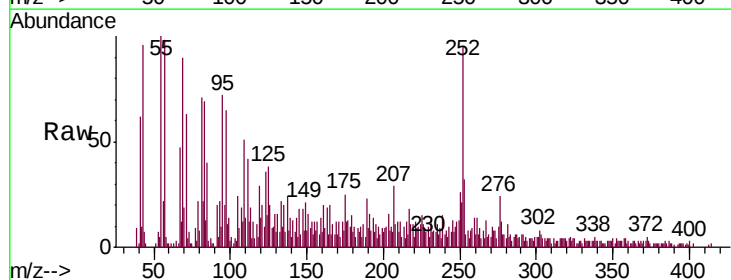
Instrument :
BNA_F
ClientSampleId :

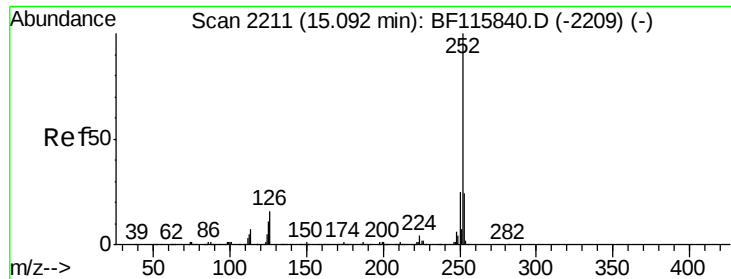
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.7	29.5
265	21.9	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 3.210 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116463.D
Acq: 21 Aug 2019 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	17.8	26.8#
125	39.7	8.4	12.6#





#89

Benzo(k)fluoranthene

Concen: 3.296 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF116463.D

Acq: 21 Aug 2019 14:08

Instrument :

BNA_F

ClientSampleId :

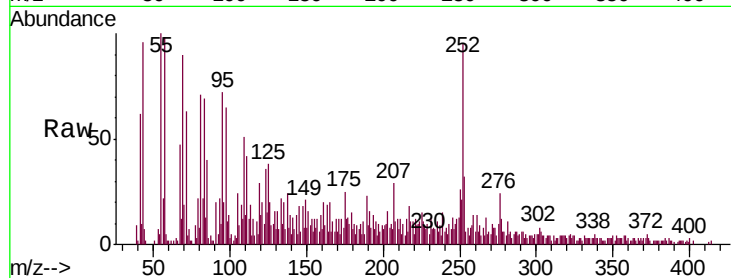
Tot Ion:252 Resp: 34636

Ion Ratio Lower Upper

252 100

253 33.5 17.8 26.8#

125 39.7 7.7 11.5#



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

