

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116158.D
 Acq On : 10 Aug 2019 19:28
 Operator : HP/JU
 Sample : K4275-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:57:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	158422	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	589327	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	270023	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	389672	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	285240	20.00	ng	-0.01
87) Perylene-d12	15.47	264	272988	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1015554	107.31	ng	0.00
7) Phenol-d6	6.48	99	1308897	109.63	ng	0.00
23) Nitrobenzene-d5	7.40	82	860732	84.31	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	243460	93.00	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1403361	97.35	ng	-0.01
79) Terphenyl-d14	12.94	244	1124736	83.09	ng	-0.01

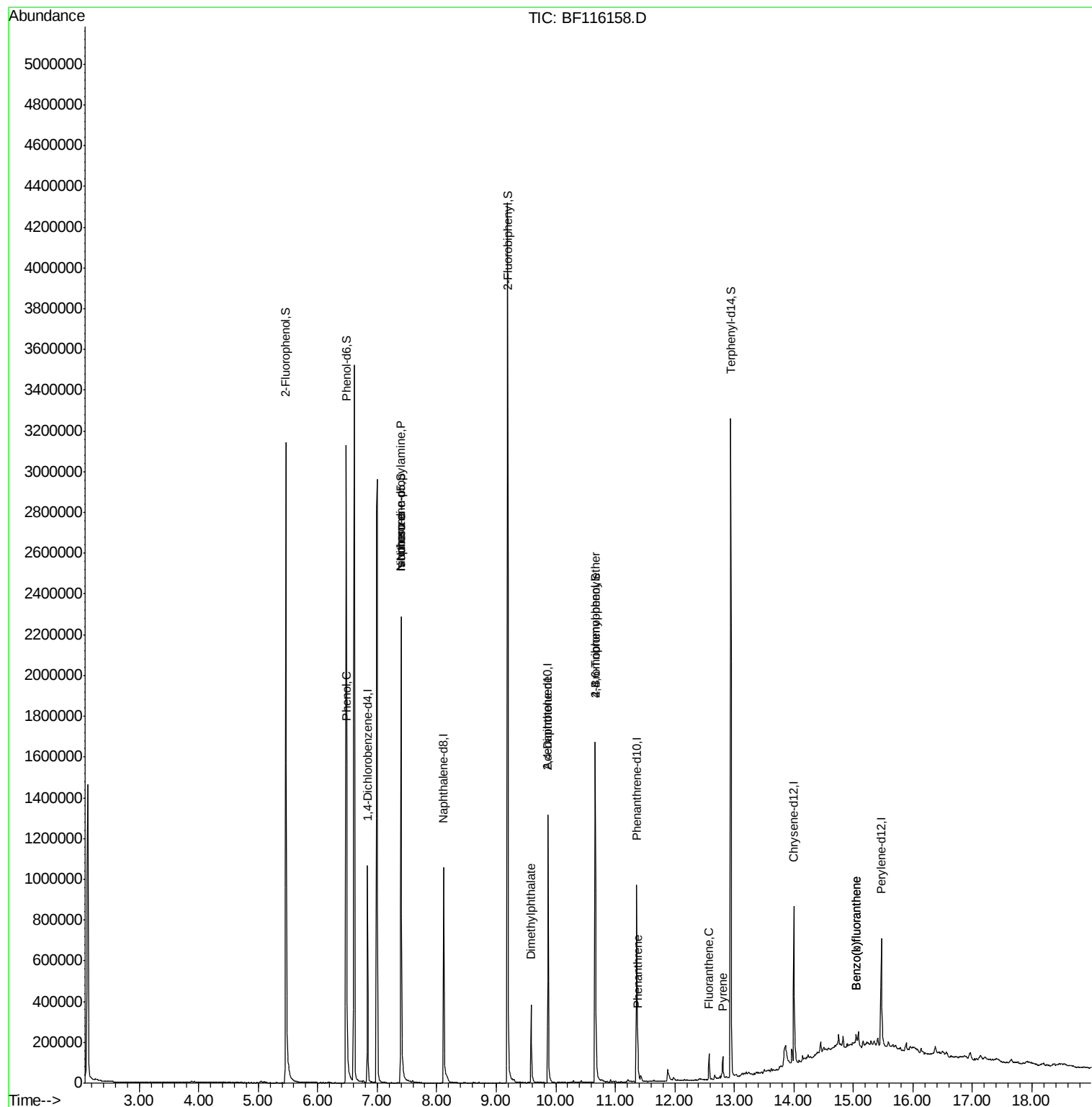
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	33403	2.376	ng	91
19) n-Nitroso-di-n-propylamine	7.40	70	113950	15.401	ng	# 78
25) Isophorone	7.40	82	860727	44.090	ng	# 65
50) Dimethylphthalate	9.59	163	205199	11.161	ng	99
57) 2,4-Dinitrotoluene	9.87	165	34688	6.521	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	14585	3.496	ng	# 1
71) Phenanthrene	11.38	178	40067	2.011	ng	97
75) Fluoranthene	12.57	202	54147	2.596	ng	99
78) Pyrene	12.80	202	47828	2.224	ng	97
88) Benzo(b)fluoranthene	15.04	252	35716	2.263	ng	# 86
89) Benzo(k)fluoranthene	15.04	252	35716	2.323	ng	# 86

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

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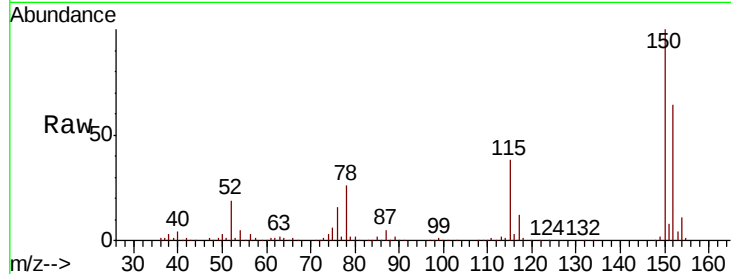


#1

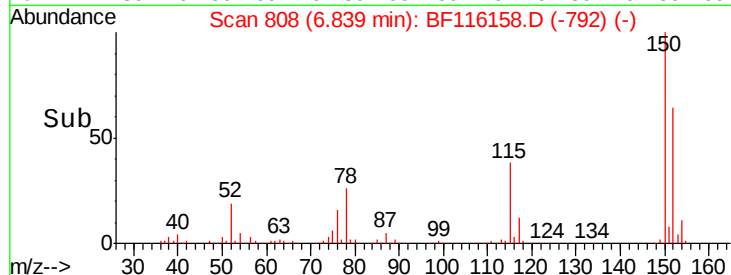
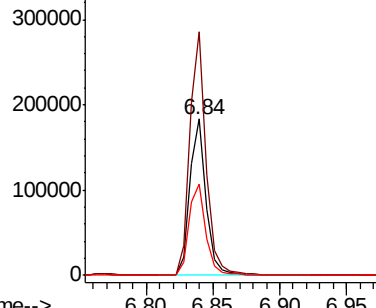
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 158422
Ion Ratio Lower Upper
152 100
150 155.9 126.2 189.2
115 58.7 49.9 74.9



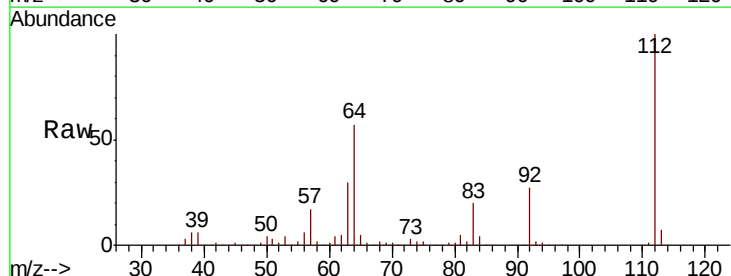
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



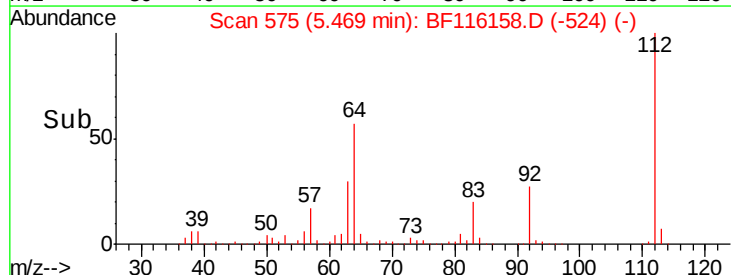
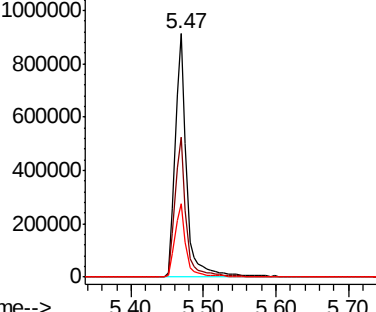
#5

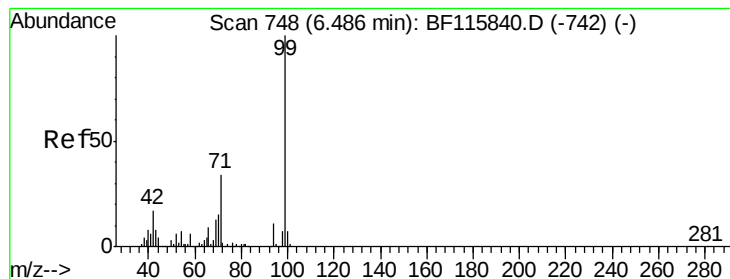
2-Fluorophenol
Concen: 107.315 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

Tgt Ion:112 Resp: 1015554
Ion Ratio Lower Upper
112 100
64 57.5 45.4 68.2
63 29.9 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: 109.626 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116158.D

Acq: 10 Aug 2019 19:28

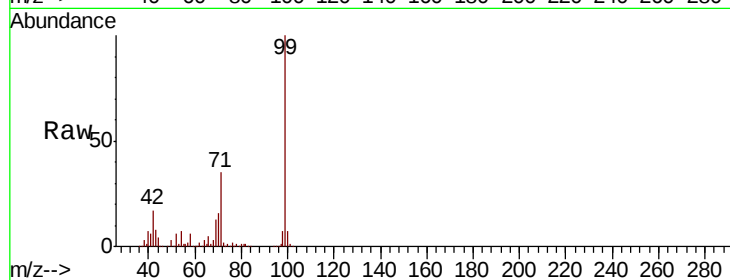
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1308897

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	34.7	27.3	40.9

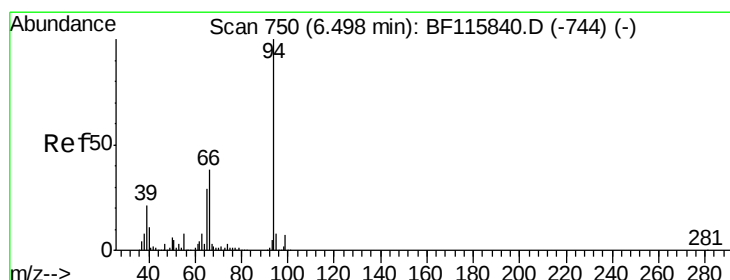
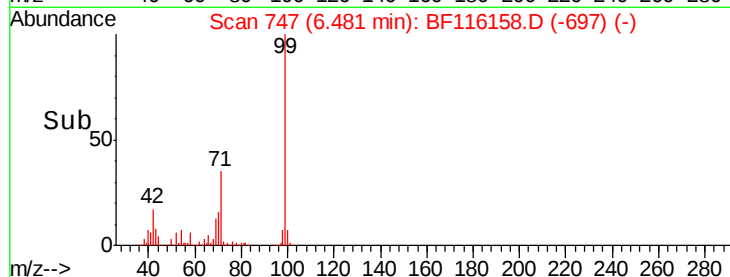
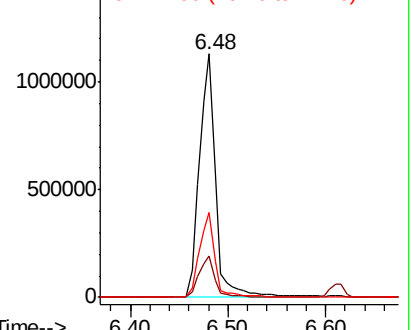


Abundance

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



#10

Phenol

Concen: 2.376 ng

RT: 6.49 min Scan# 749

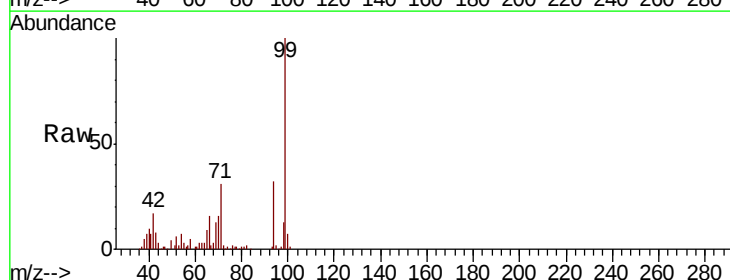
Delta R.T. -0.01 min

Lab File: BF116158.D

Acq: 10 Aug 2019 19:28

Tgt Ion: 94 Resp: 33403

Ion	Ratio	Lower	Upper
94	100		
65	29.0	16.8	56.8
66	49.9	34.2	74.2

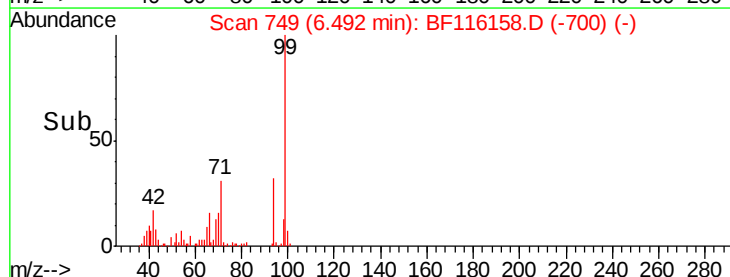
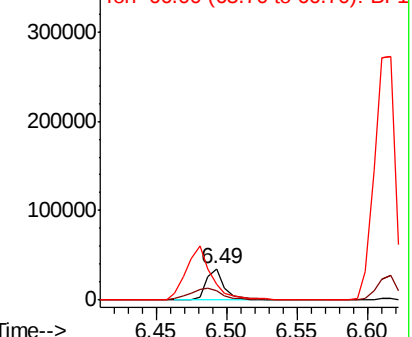


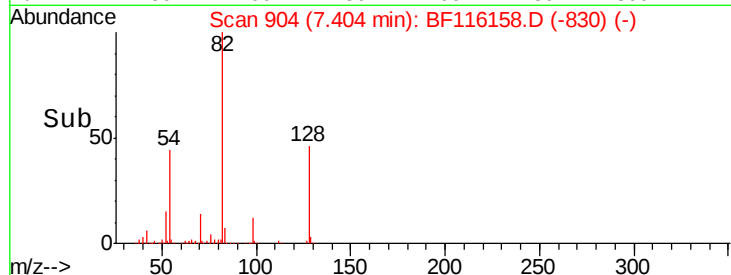
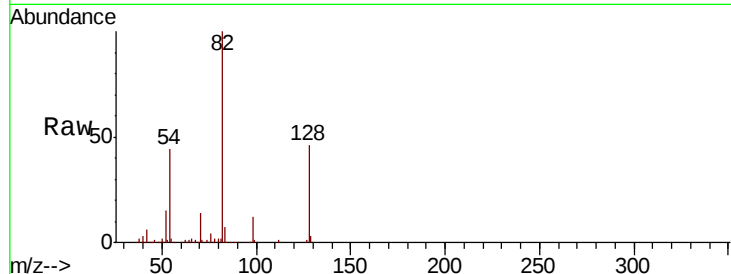
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

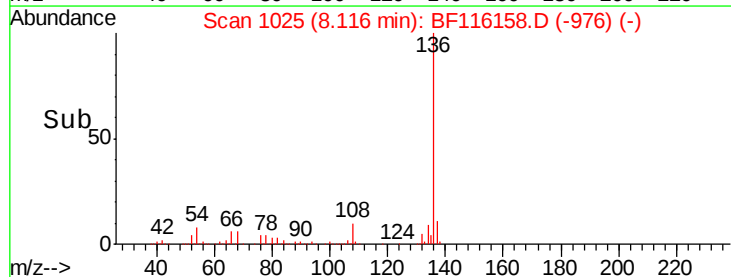
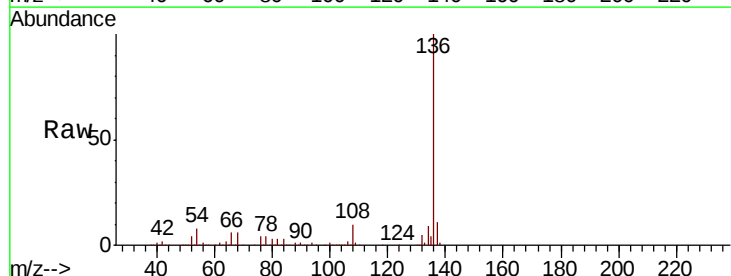
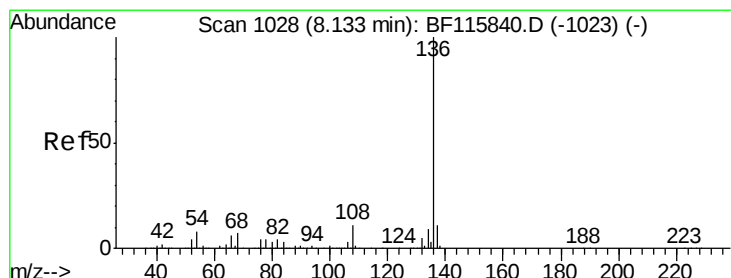
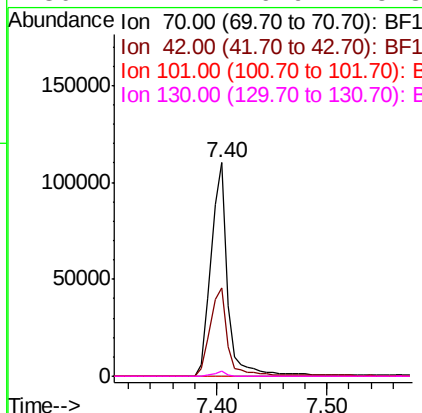




#19
n-Nitroso-di-n-propylamine
Concen: 15.401 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

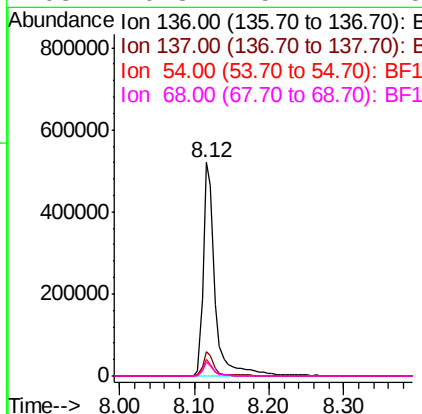
Instrument :
BNA_F
ClientSampleId :

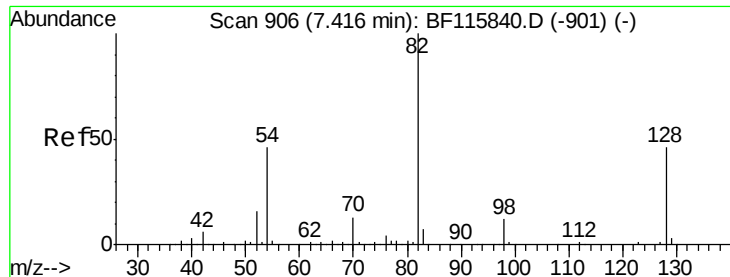
Tot Ion: 70 Resp: 113950
Ion Ratio Lower Upper
70 100
42 41.3 40.9 61.3
101 0.0 7.9 11.9#
130 2.2 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

Tgt Ion: 136 Resp: 589327
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 7.5 5.8 8.6
68 6.3 5.2 7.8

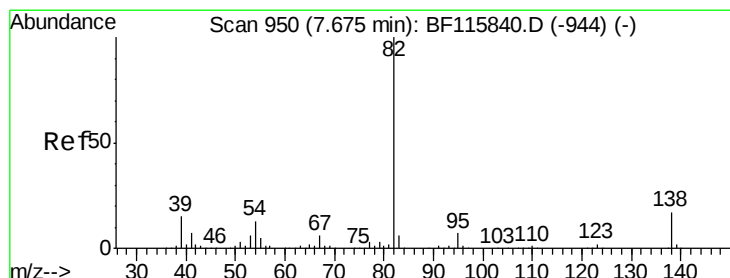
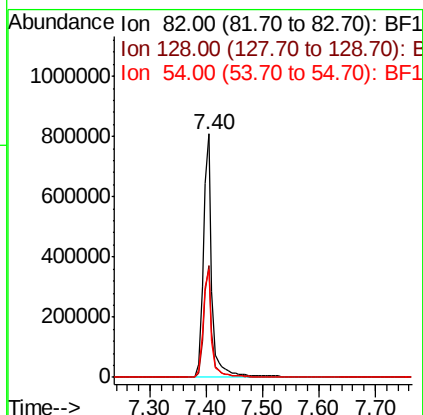
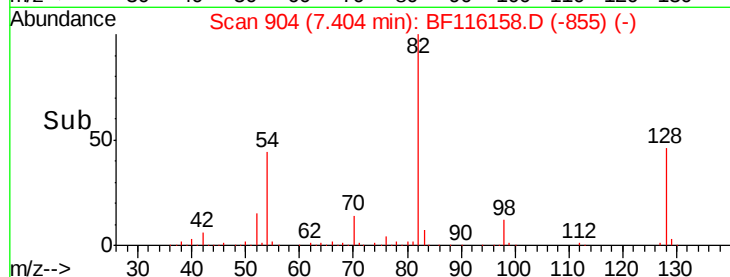
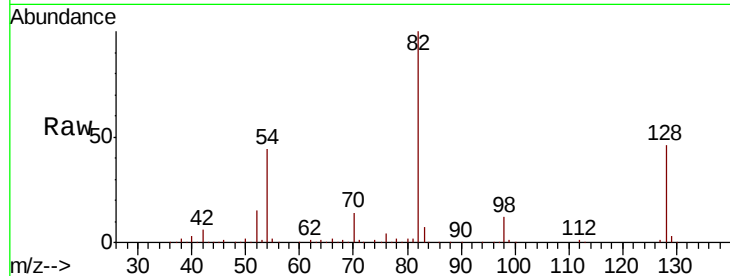




#23
Nitrobenzene-d5
Concen: 84.307 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

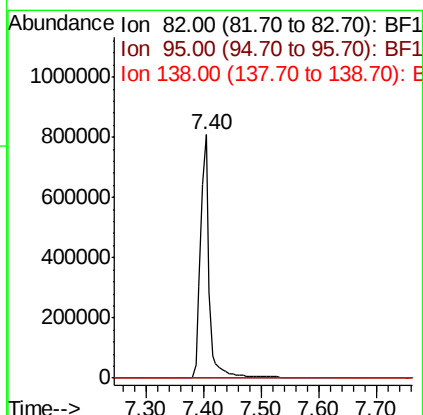
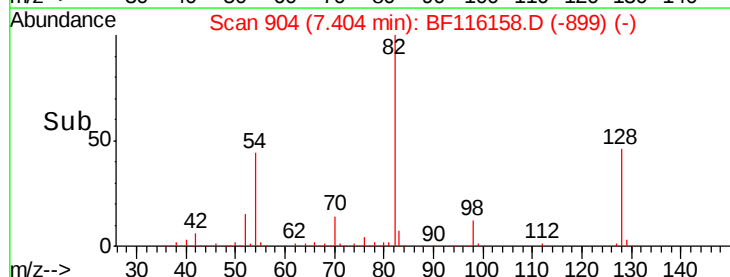
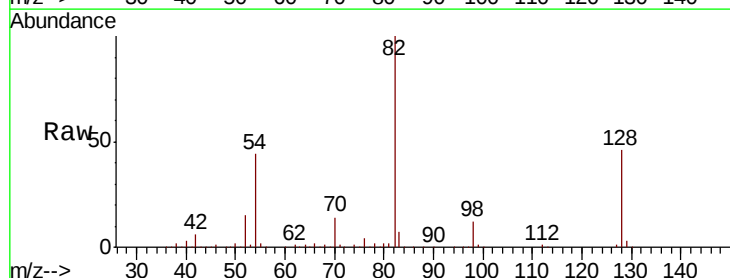
Instrument :
BNA_F
ClientSampled :

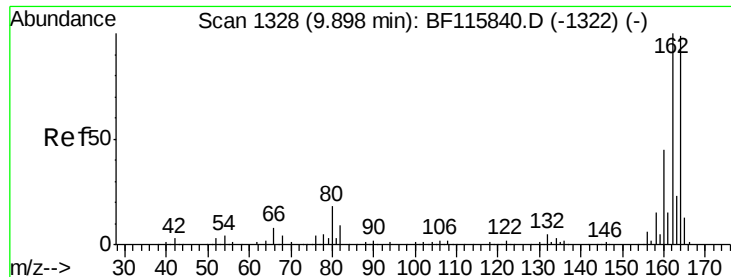
Tot Ion: 82 Resp: 860732
Ion Ratio Lower Upper
82 100
128 45.8 36.5 54.7
54 44.4 36.0 54.0



#25
Isophorone
Concen: 44.090 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

Tgt Ion: 82 Resp: 860727
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#

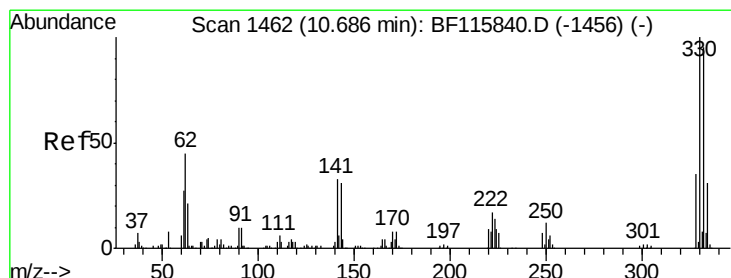
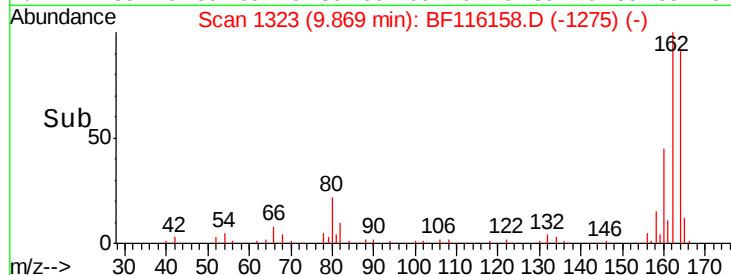
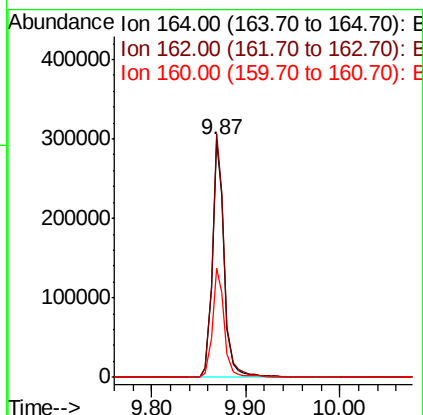
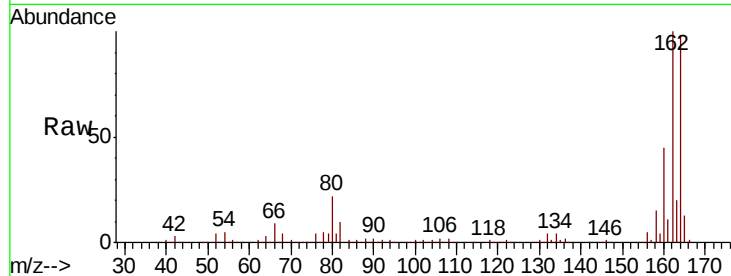




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

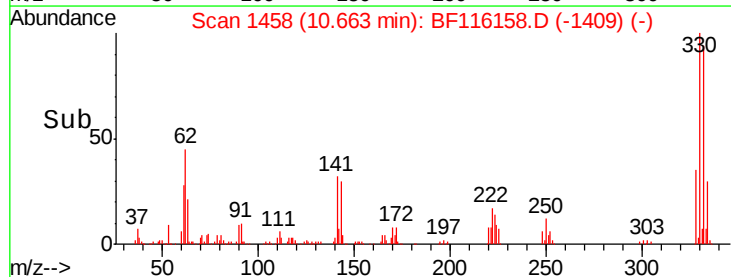
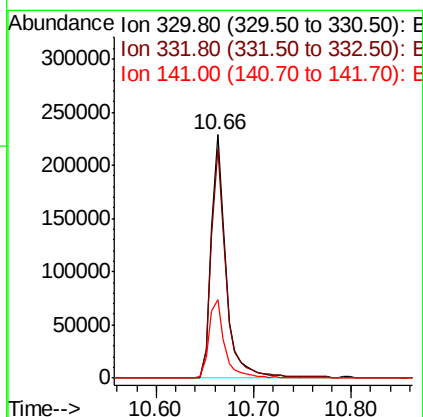
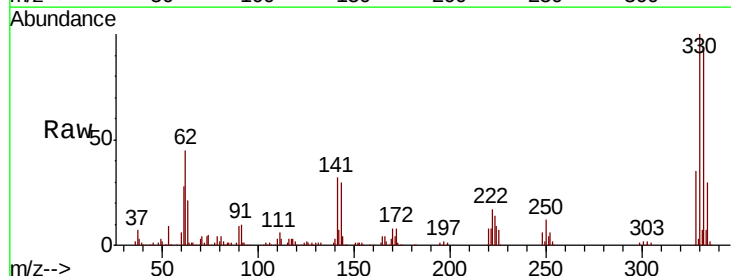
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 270023
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 124.0
 160 46.1 37.6 56.4



#42
 2,4,6-Tribromophenol
 Concen: 92.996 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

Tgt Ion:330 Resp: 243460
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.8 115.2
 141 34.2 26.3 39.5

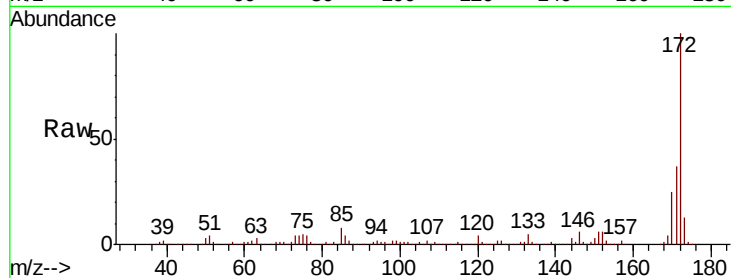




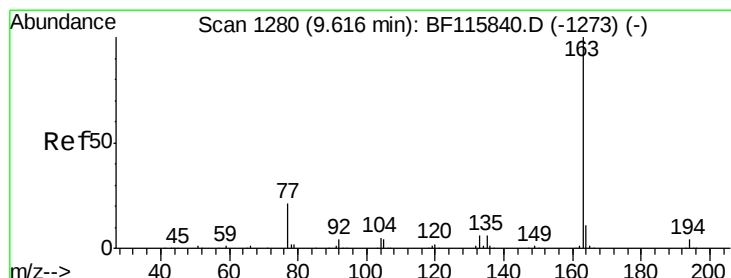
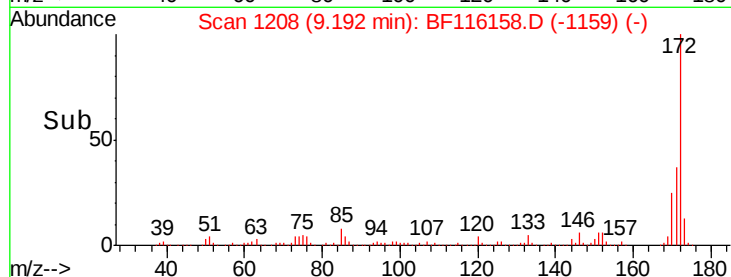
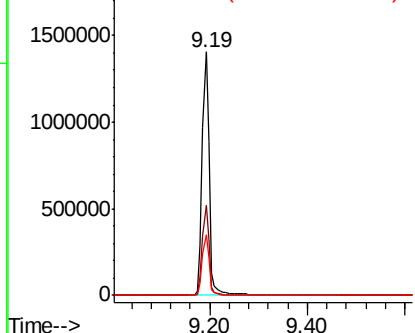
#45
 2-Fluorobiphenyl
 Concen: 97.347 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1403361
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.6 44.4
 170 25.0 20.1 30.1

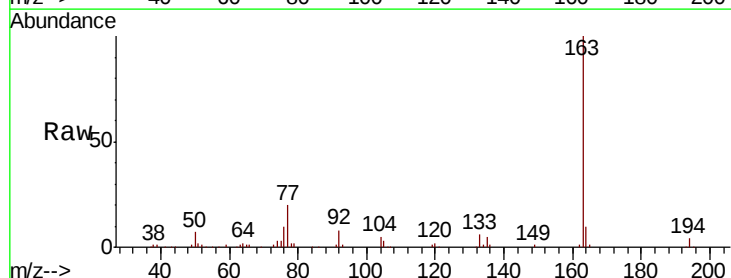


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

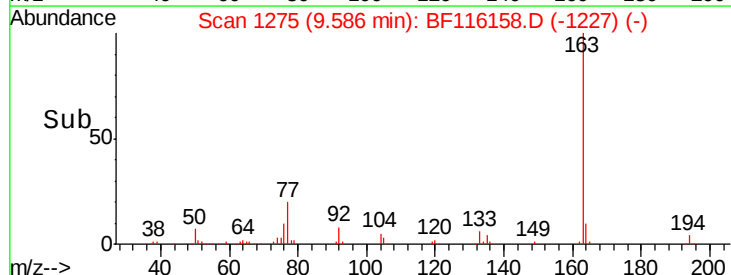
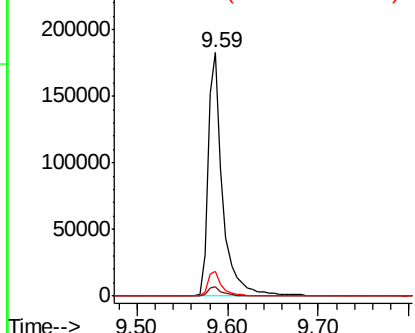


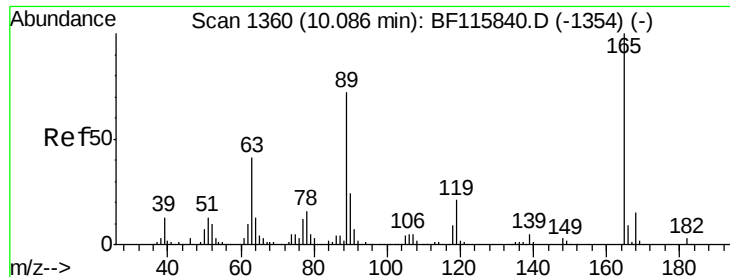
#50
 Dimethylphthalate
 Concen: 11.161 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

Tgt Ion:163 Resp: 205199
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.0 4.6
 164 10.0 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: 6.521 ng

RT: 9.87 min Scan# 1323

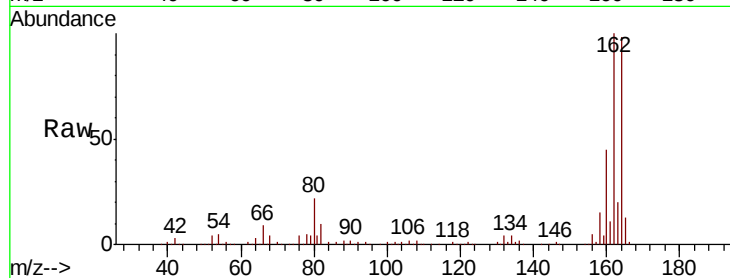
Delta R.T. -0.21 min

Lab File: BF116158.D

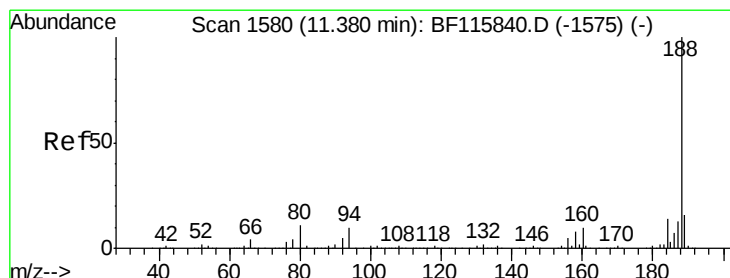
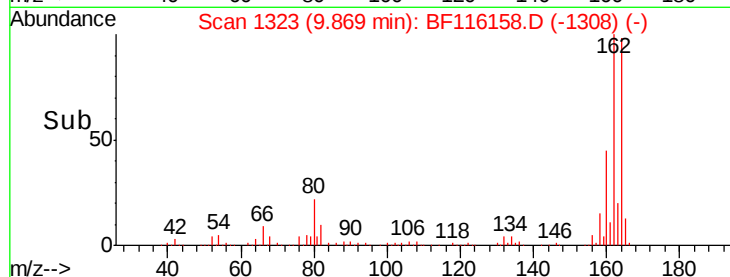
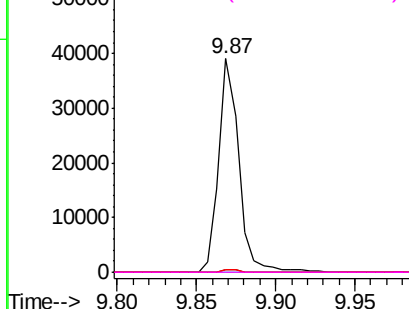
Acq: 10 Aug 2019 19:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	34688
Ion Ratio	Lower	Upper
165	100	
63	1.2	39.6 59.4#
89	1.3	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

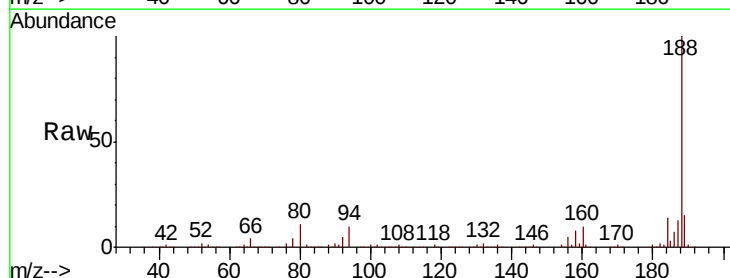
RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

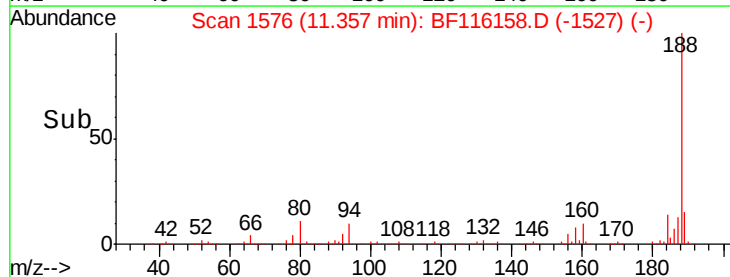
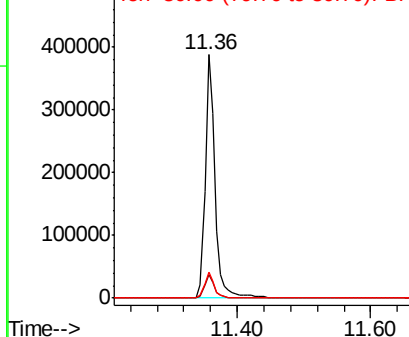
Lab File: BF116158.D

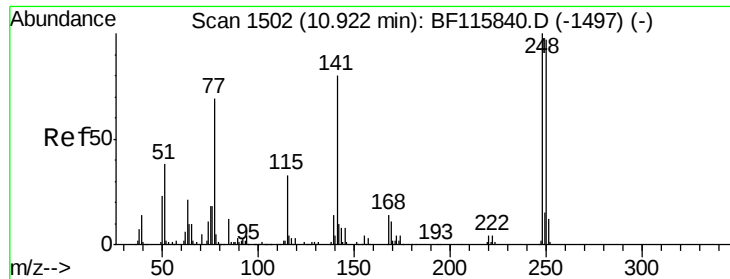
Acq: 10 Aug 2019 19:28

Tgt Ion:188	Resp:	389672
Ion Ratio	Lower	Upper
188	100	
94	9.9	8.1 12.1
80	10.9	8.7 13.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

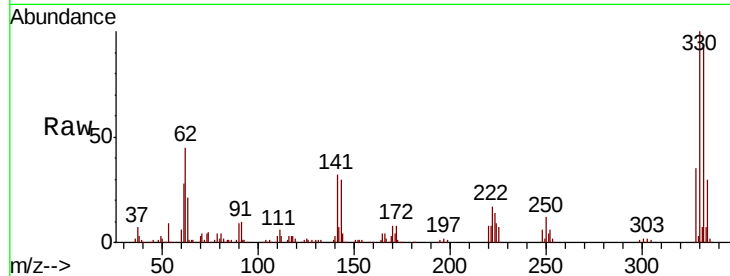




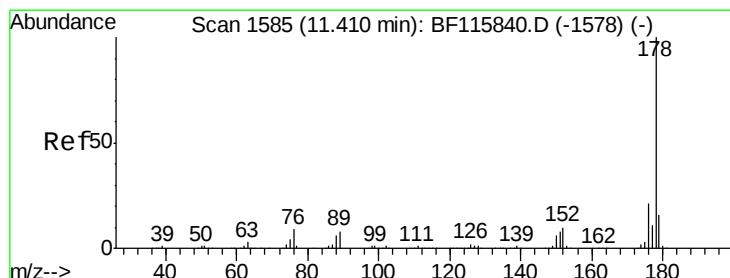
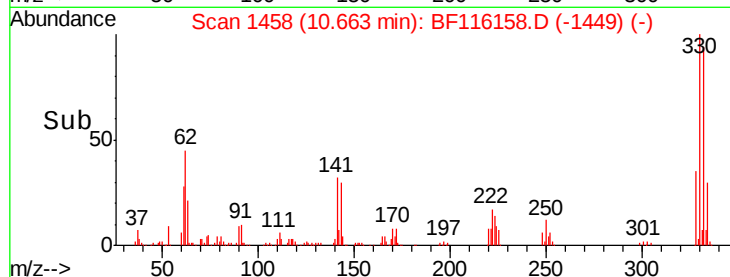
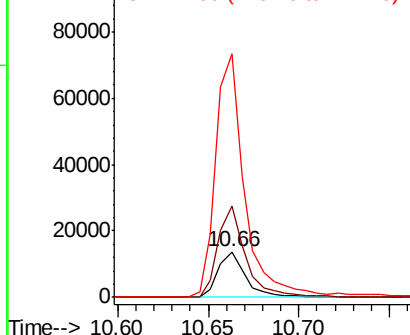
#67
 4-Bromophenyl-phenylether
 Concen: 3.496 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.7	77.4	116.2#
141	531.1	56.8	85.2#

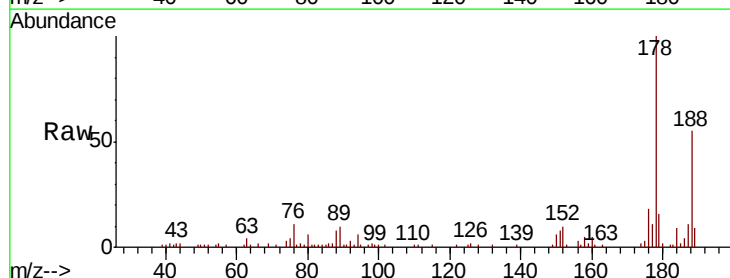


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

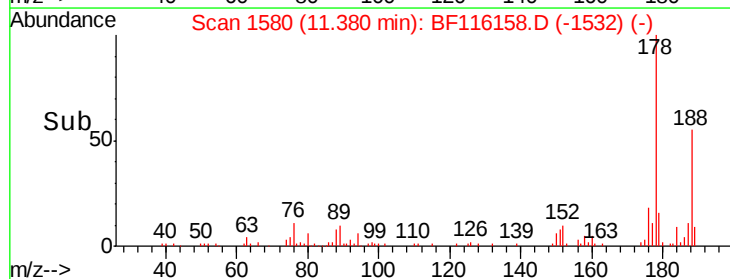
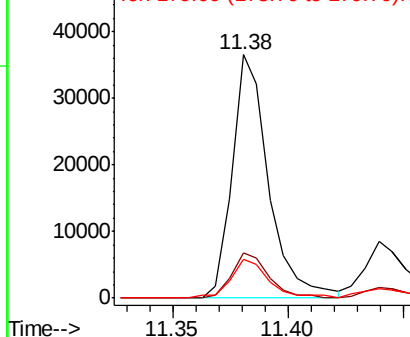


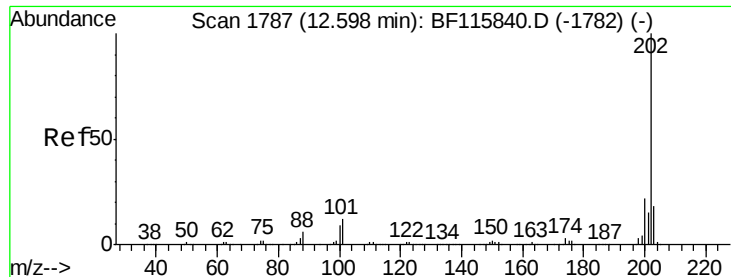
#71
 Phenanthrene
 Concen: 2.011 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.6	24.8
179	15.9	12.5	18.7



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





#75

Fluoranthene

Concen: 2.596 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116158.D

Acq: 10 Aug 2019 19:28

Instrument :

BNA_F

ClientSampleId :

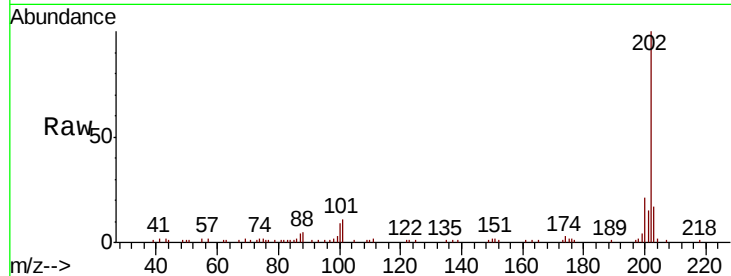
Tot Ion:202 Resp: 54147

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.2

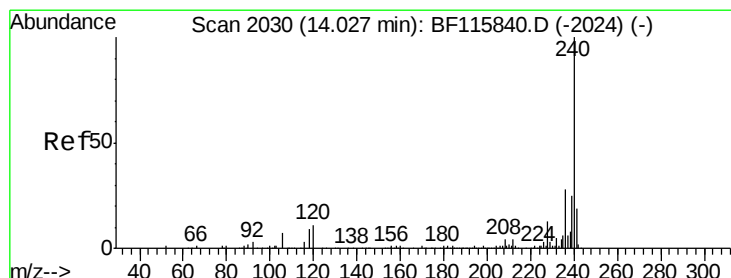
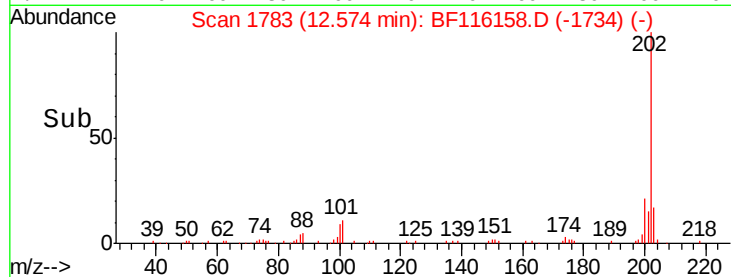
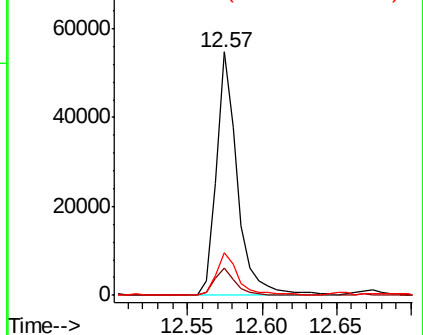
203 17.4 0.0 37.8



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116158.D

Acq: 10 Aug 2019 19:28

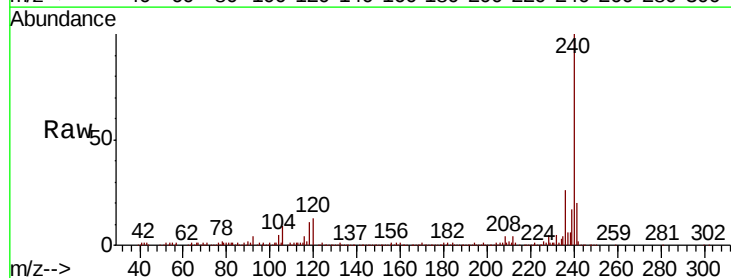
Tgt Ion:240 Resp: 285240

Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

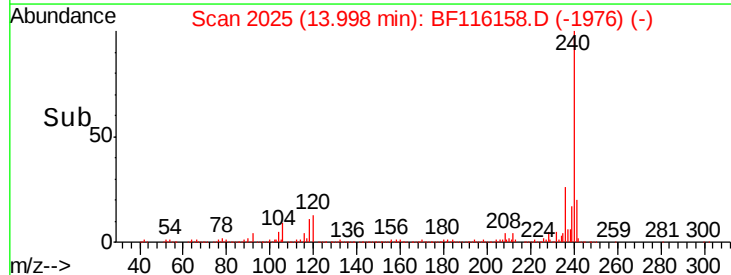
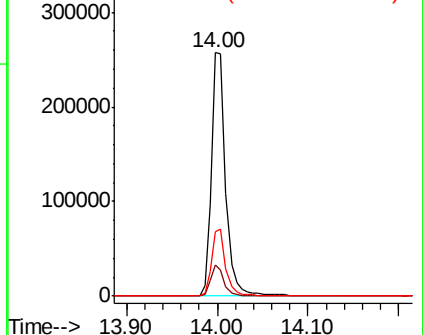
236 26.5 22.2 33.2

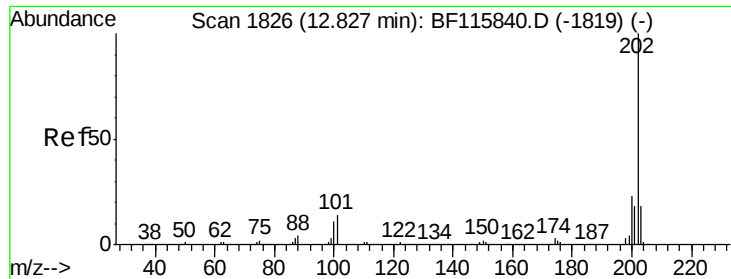


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

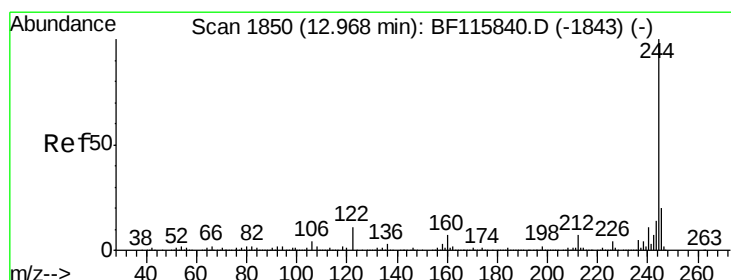
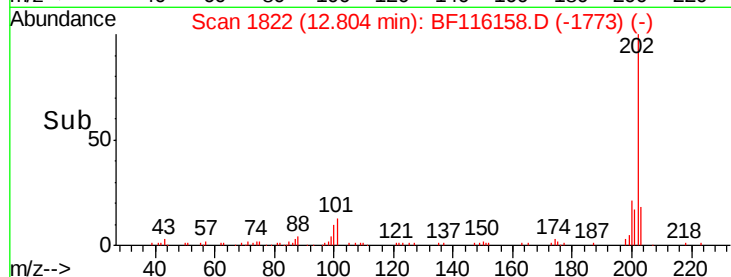
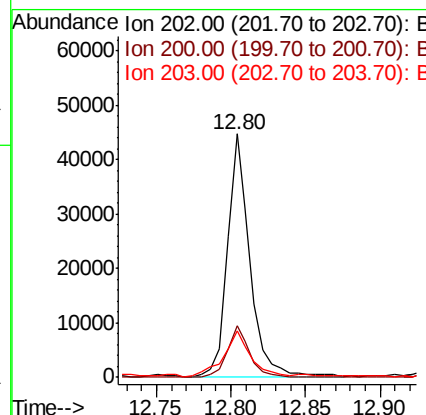
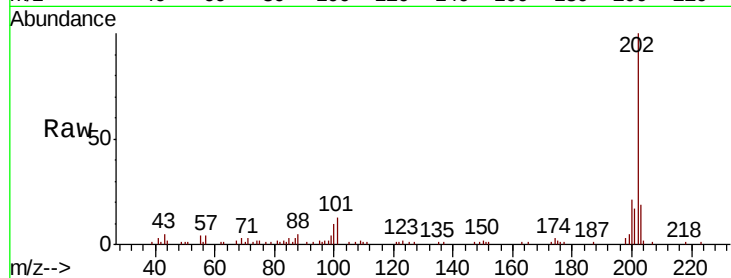




#78
Pvrene
Concen: 2.224 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

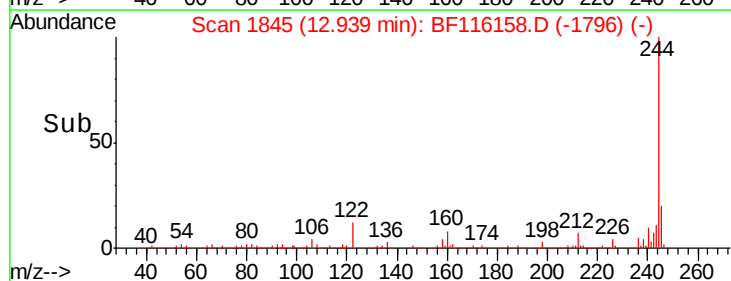
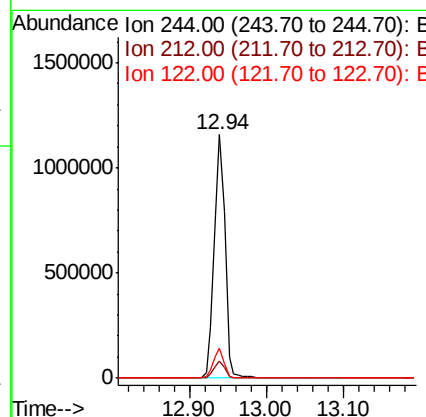
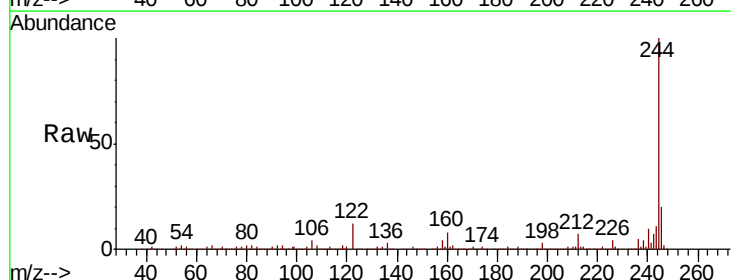
Instrument :
BNA_F
ClientSampleId :

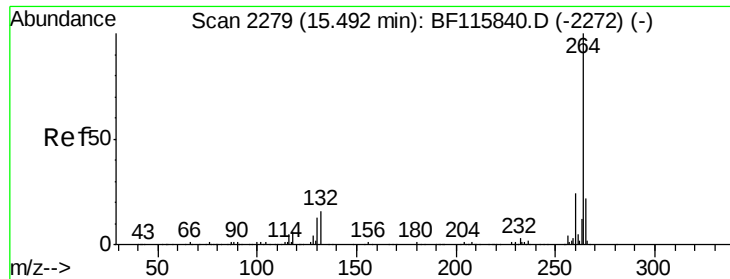
Tot Ion:202 Resp: 47828
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 18.9 14.1 21.1



#79
Terphenyl-d14
Concen: 83.088 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

Tgt Ion:244 Resp: 1124736
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 12.2 9.0 13.4

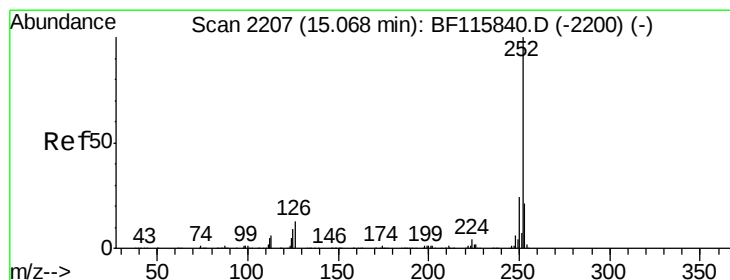
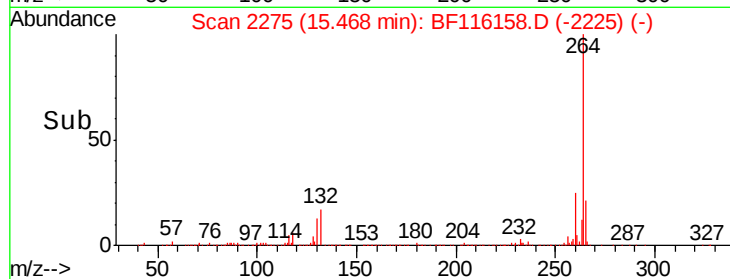
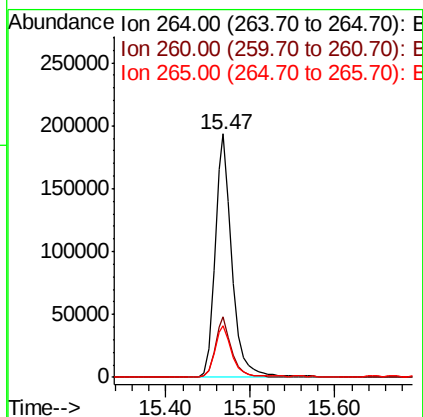
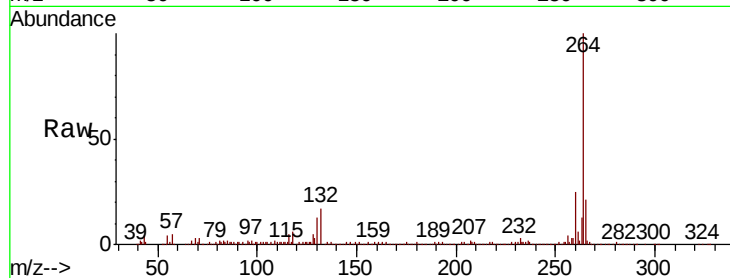




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

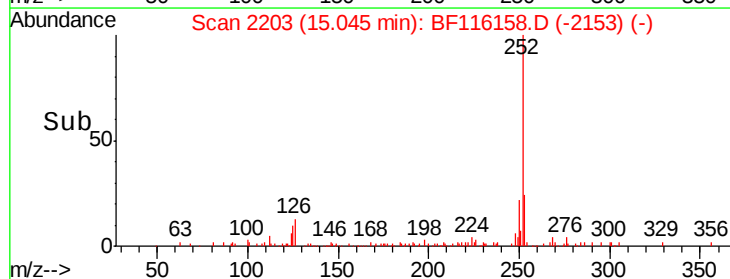
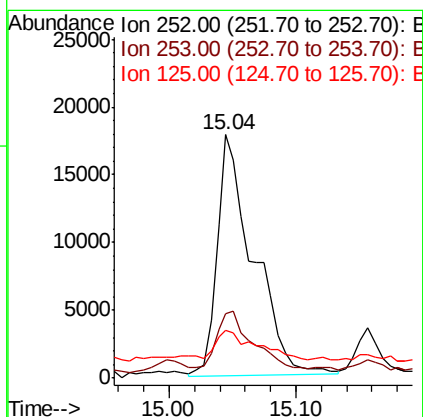
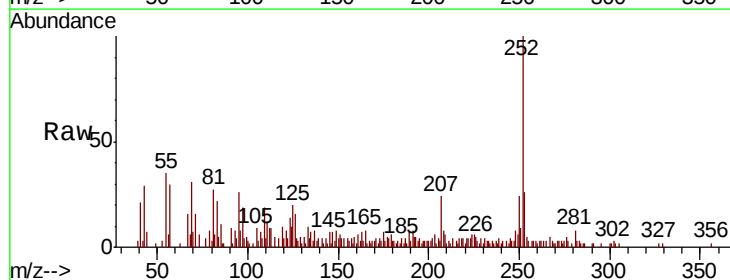
Instrument :
BNA_F
ClientSampleId :

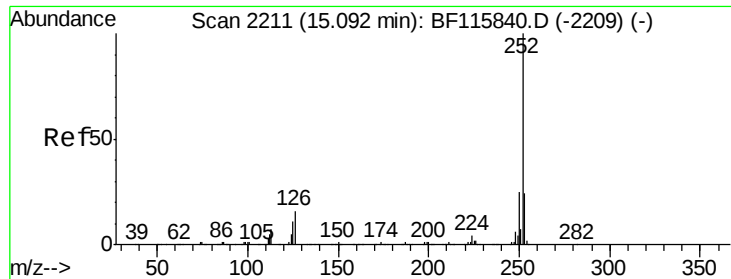
Tot Ion:264 Resp: 272988
Ion Ratio Lower Upper
264 100
260 24.9 19.7 29.5
265 21.4 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 2.263 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116158.D
Acq: 10 Aug 2019 19:28

Tgt Ion:252 Resp: 35716
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.8
125 19.5 8.4 12.6#





#89
 Benzo(k)fluoranthene
 Concen: 2.323 ng
 RT: 15.04 min Scan# 2203
 Delta R.T. -0.04 min
 Lab File: BF116158.D
 Acq: 10 Aug 2019 19:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.8	26.8
125	19.5	7.7	11.5

