

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080519\
 Data File : BF115988.D
 Acq On : 5 Aug 2019 19:07
 Operator : HP/JU
 Sample : K4156-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT1873

Quant Time: Aug 06 01:37:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	132379	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	509658	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	272121	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	495495	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	370180	20.00	ng	-0.02
87) Perylene-d12	15.46	264	322191	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1061462	134.23	ng	0.00
7) Phenol-d6	6.48	99	1395860	139.91	ng	0.00
23) Nitrobenzene-d5	7.40	82	891937	101.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	360464	136.63	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1377905	94.84	ng	-0.02
79) Terphenyl-d14	12.95	244	1531591	87.18	ng	-0.02

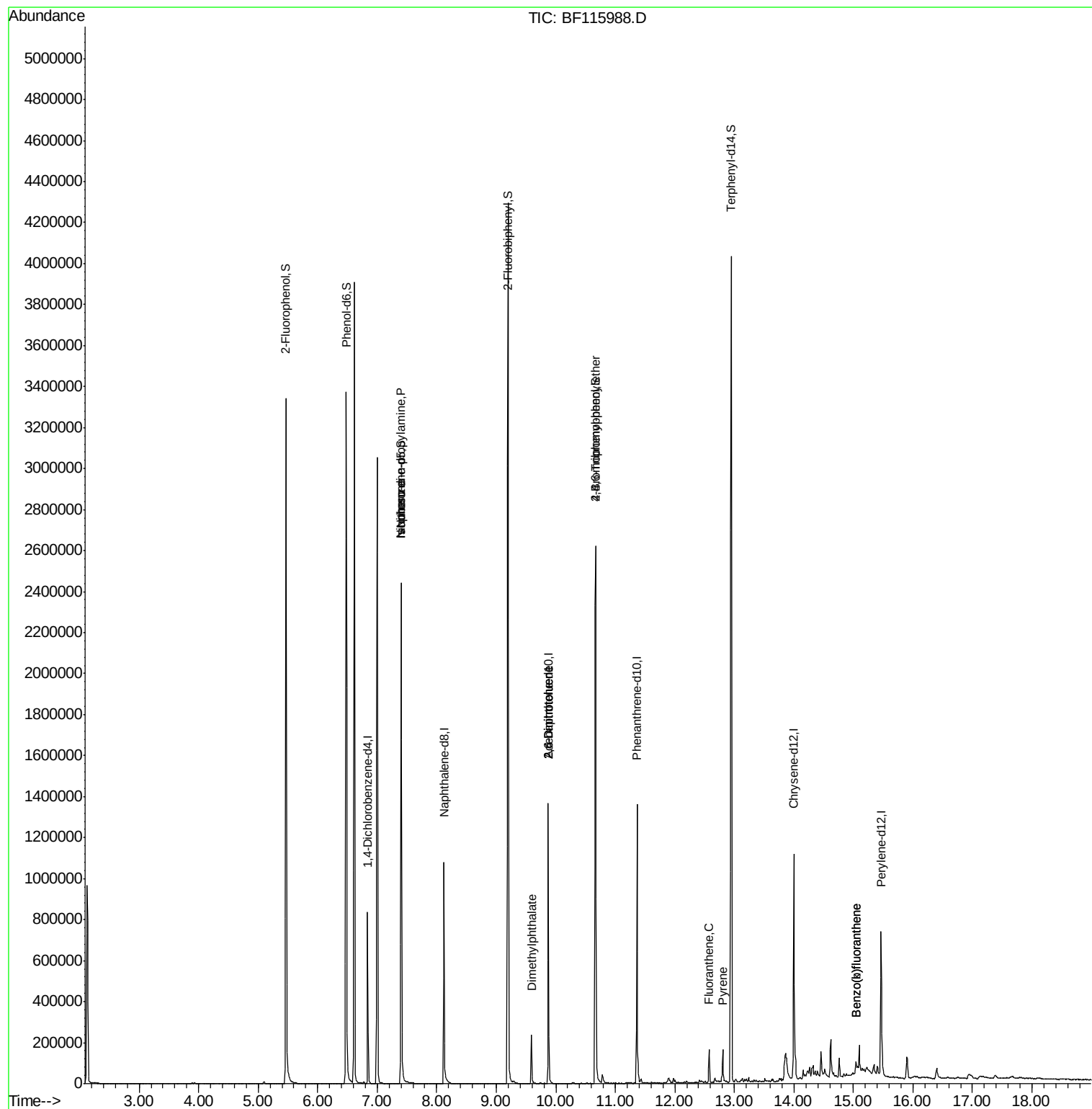
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	120998	19.571	ng	# 78
25) Isophorone	7.40	82	891926	52.830	ng	# 66
50) Dimethylphthalate	9.59	163	116869	6.308	ng	99
51) 2,6-Dinitrotoluene	9.87	165	34771	8.635	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	34771	6.486	ng	# 24
67) 4-Bromophenyl-phenylether	10.67	248	22032	4.154	ng	# 1
75) Fluoranthene	12.57	202	67781	2.556	ng	98
78) Pyrene	12.80	202	66332	2.377	ng	96
88) Benzo(b)fluoranthene	15.04	252	45918	2.465	ng	# 93
89) Benzo(k)fluoranthene	15.04	252	45918	2.531	ng	97

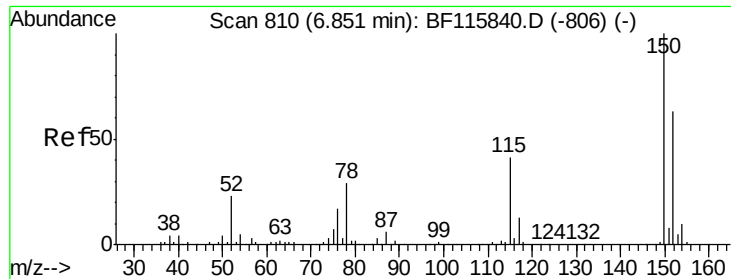
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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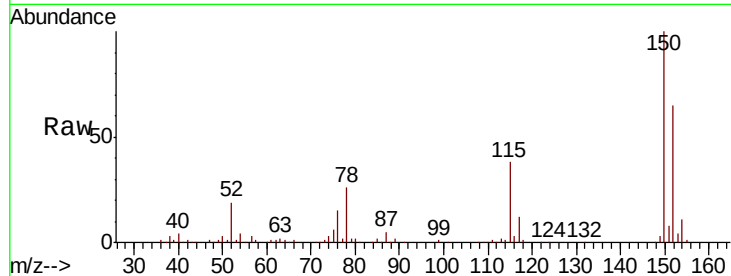


#1

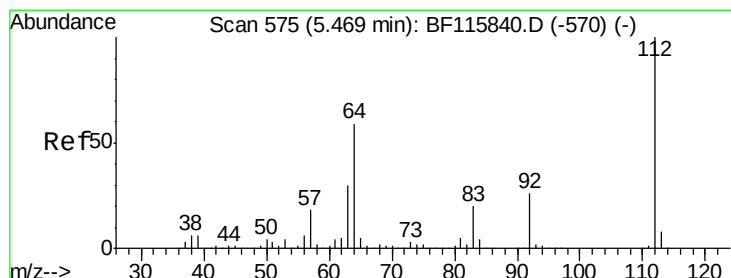
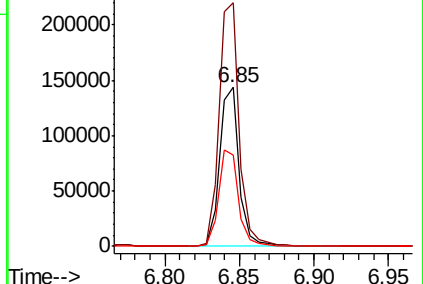
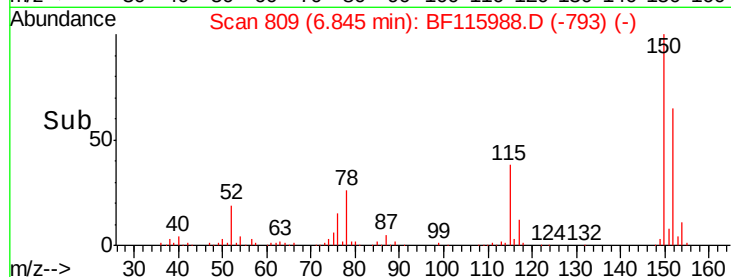
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF115988.D
Acq: 5 Aug 2019 19:07

Instrument :
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ClientSampleId :
RT1873

Tgt Ion:152 Resp: 132379
Ion Ratio Lower Upper
152 100
150 153.6 127.4 191.0
115 57.8 51.8 77.8



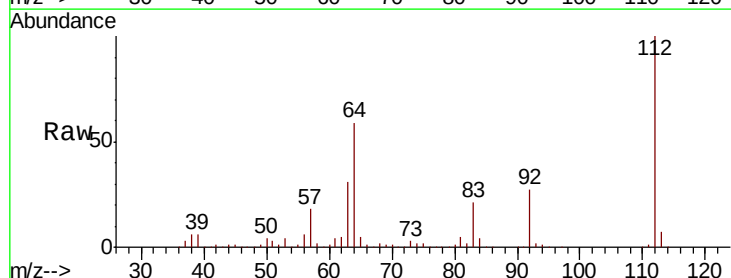
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



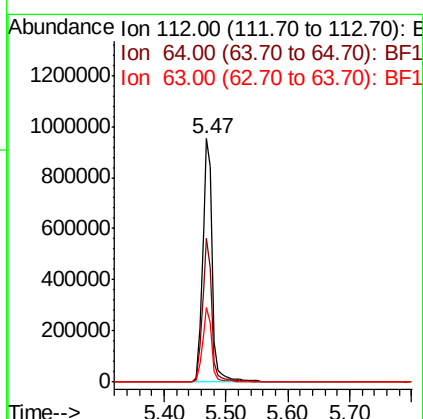
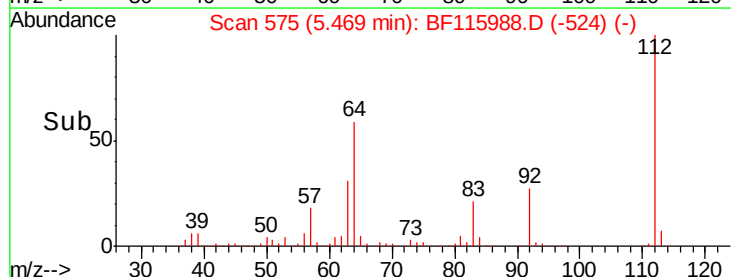
#5

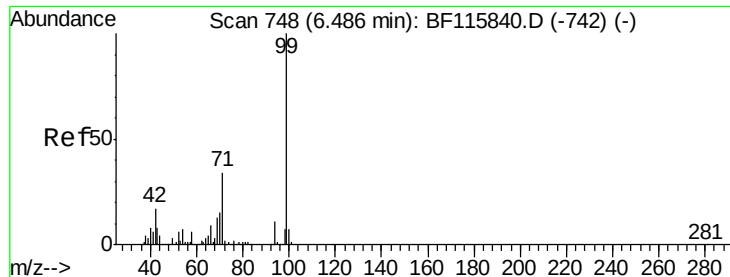
2-Fluorophenol
Concen: 134.232 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115988.D
Acq: 5 Aug 2019 19:07

Tgt Ion:112 Resp: 1061462
Ion Ratio Lower Upper
112 100
64 59.2 46.8 70.2
63 30.8 24.2 36.2



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: 139.909 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115988.D

Acq: 5 Aug 2019 19:07

Instrument :

BNA_F

ClientSampleId :

RT1873

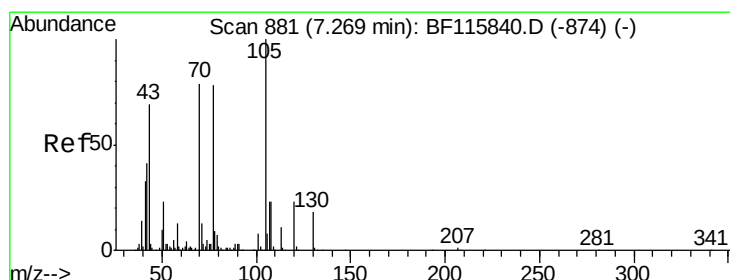
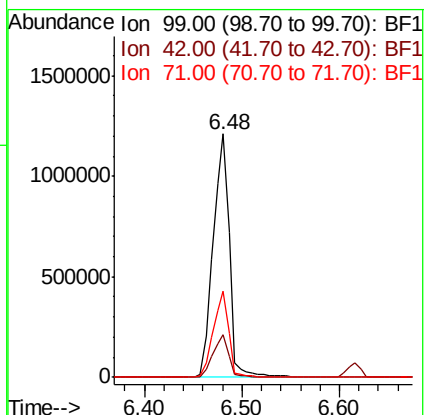
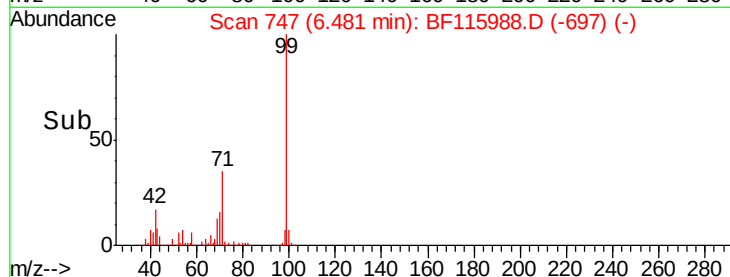
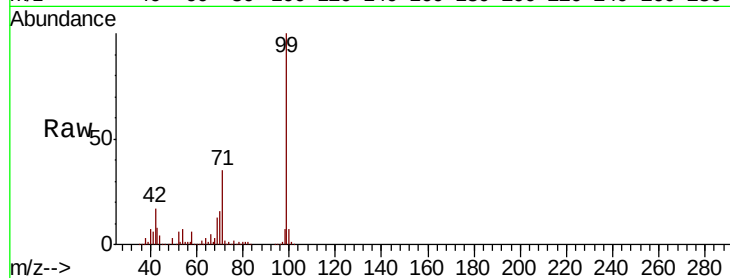
Tgt Ion: 99 Resp: 1395860

Ion Ratio Lower Upper

99 100

42 17.4 13.8 20.6

71 35.3 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 19.571 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF115988.D

Acq: 5 Aug 2019 19:07

Tgt Ion: 70 Resp: 120998

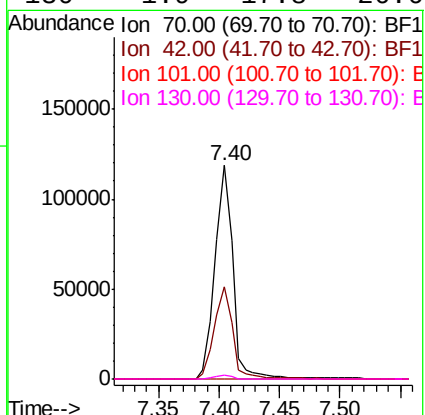
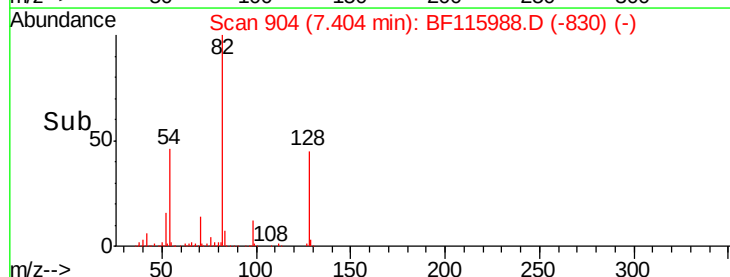
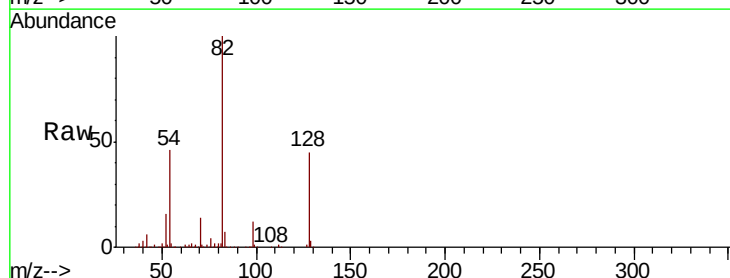
Ion Ratio Lower Upper

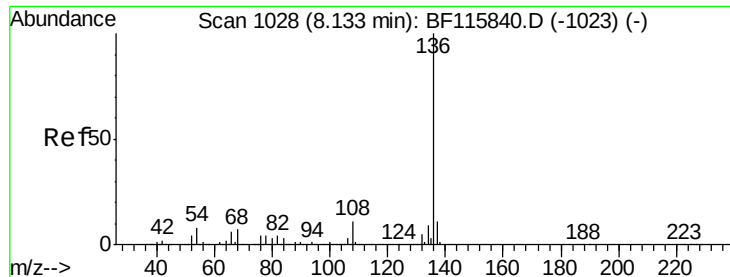
70 100

42 42.9 41.8 62.8

101 0.0 7.7 11.5#

130 1.9 17.8 26.6#

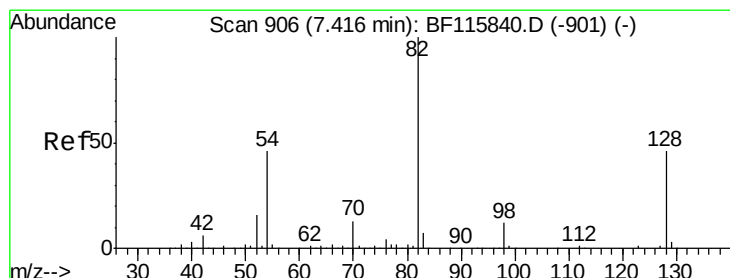
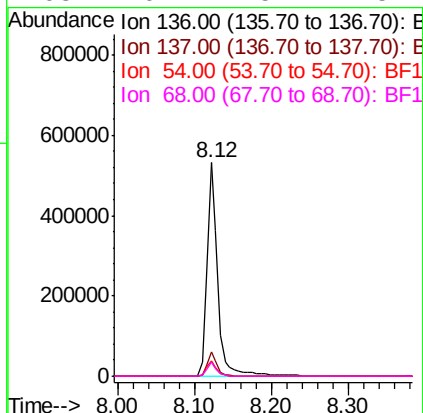
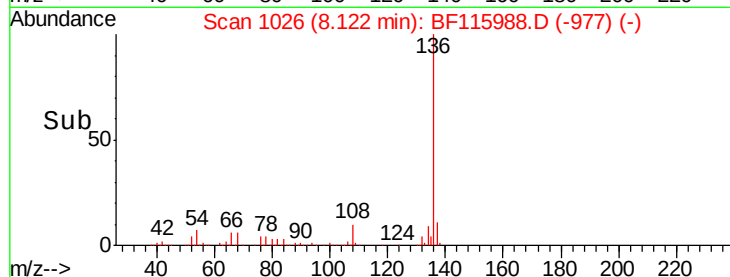
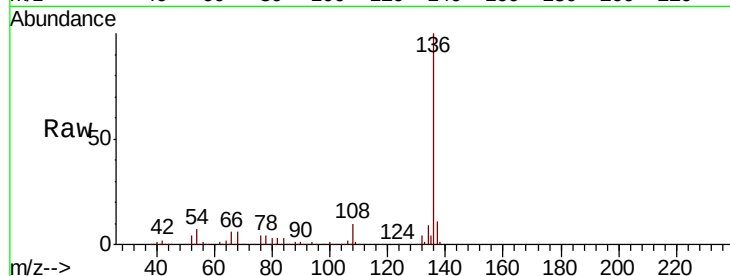




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF115988.D
Acq: 5 Aug 2019 19:07

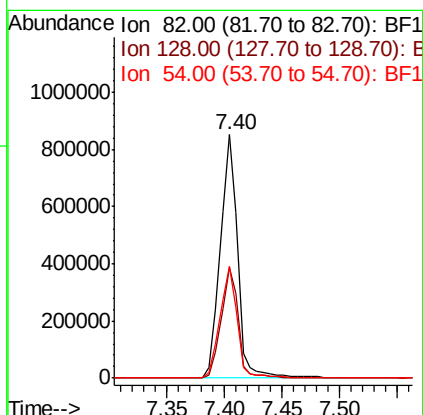
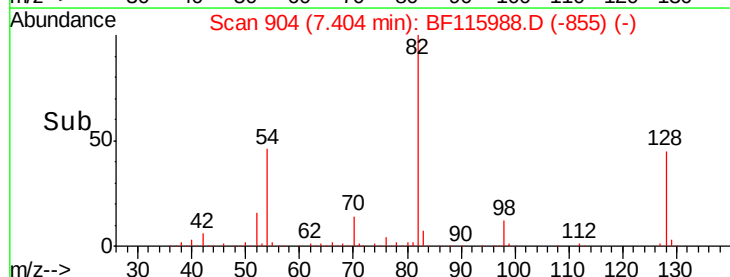
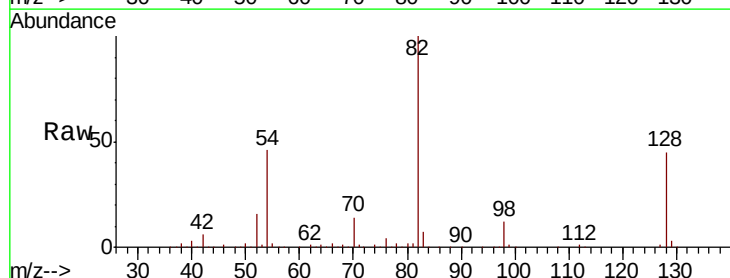
Instrument :
BNA_F
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RT1873

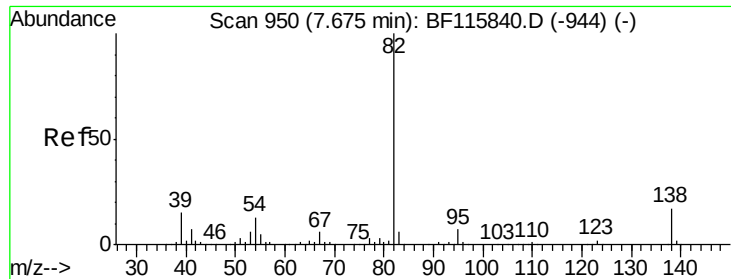
Tgt Ion:	136	Resp:	509658
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.4	6.1	9.1
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 101.019 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF115988.D
Acq: 5 Aug 2019 19:07

Tgt Ion:	82	Resp:	891937
Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.6	55.0
54	45.7	36.6	55.0





#25

Isophorone

Concen: 52.830 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF115988.D

Acq: 5 Aug 2019 19:07

Instrument :

BNA_F

ClientSampleId :

RT1873

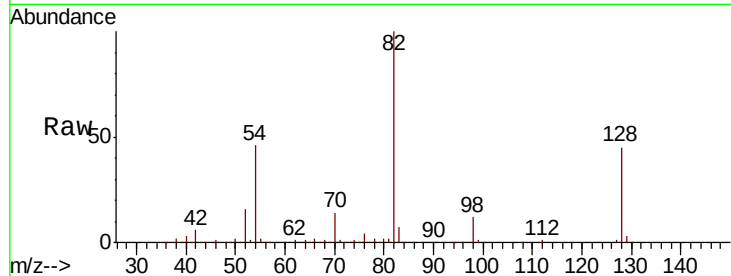
Tgt Ion: 82 Resp: 891926

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.9 20.9#

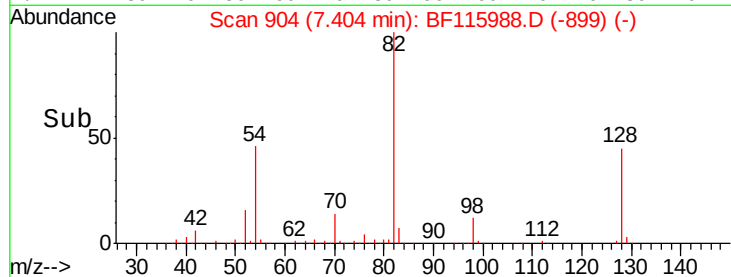


Abundance Ion 82.00 (81.70 to 82.70): BF115988.D (-899) (-)

Ion 95.00 (94.70 to 95.70): BF115988.D (-899) (-)

Ion 138.00 (137.70 to 138.70): BF115988.D (-899) (-)

Time-->

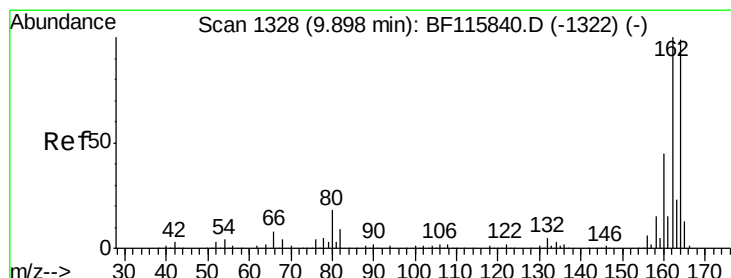


Abundance Ion 82.00 (81.70 to 82.70): BF115988.D (-899) (-)

Ion 95.00 (94.70 to 95.70): BF115988.D (-899) (-)

Ion 138.00 (137.70 to 138.70): BF115988.D (-899) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF115988.D

Acq: 5 Aug 2019 19:07

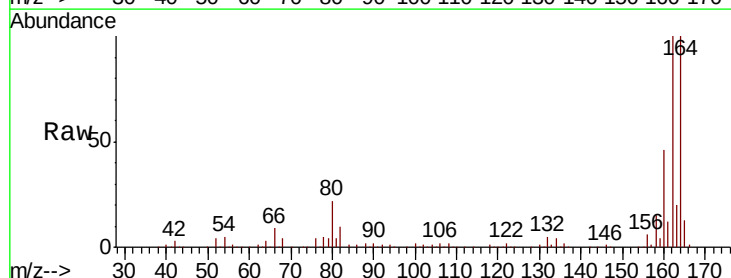
Tgt Ion: 164 Resp: 272121

Ion Ratio Lower Upper

164 100

162 99.9 80.8 121.2

160 45.5 36.2 54.4

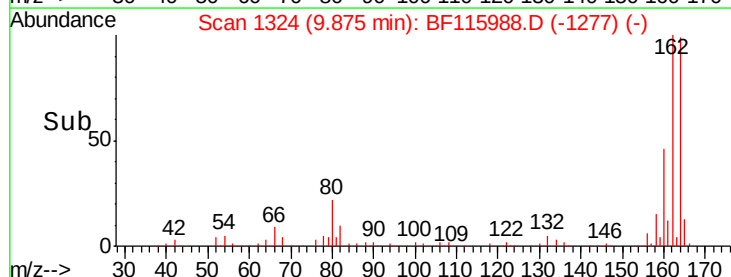


Abundance Ion 164.00 (163.70 to 164.70): BF115988.D (-1277) (-)

Ion 162.00 (161.70 to 162.70): BF115988.D (-1277) (-)

Ion 160.00 (159.70 to 160.70): BF115988.D (-1277) (-)

Time-->

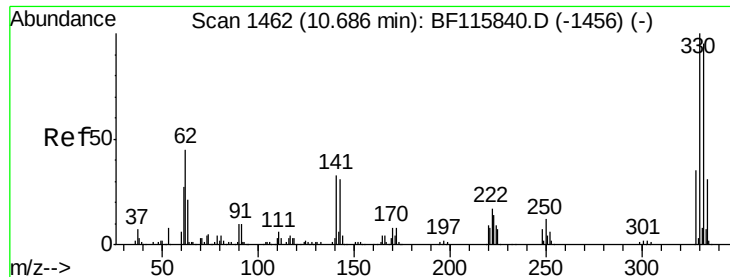


Abundance Ion 164.00 (163.70 to 164.70): BF115988.D (-1277) (-)

Ion 162.00 (161.70 to 162.70): BF115988.D (-1277) (-)

Ion 160.00 (159.70 to 160.70): BF115988.D (-1277) (-)

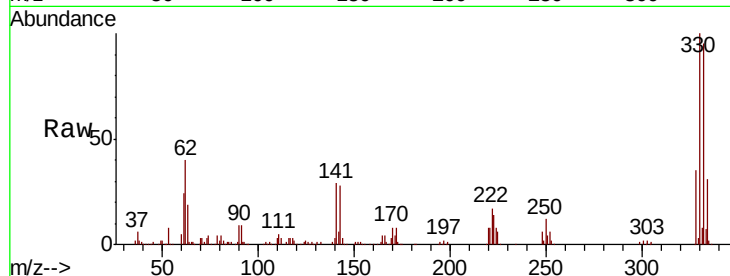
Time-->



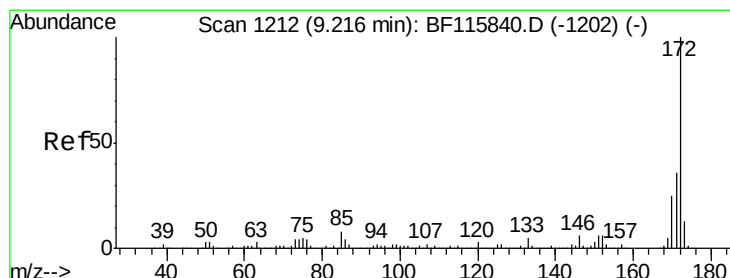
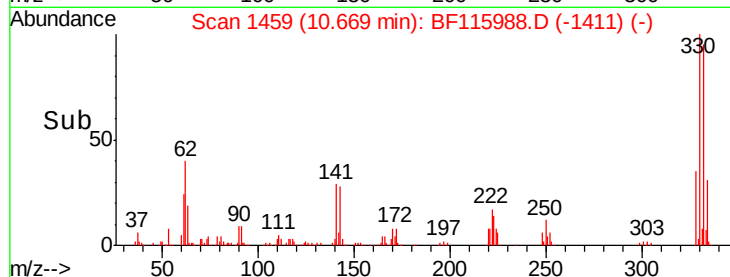
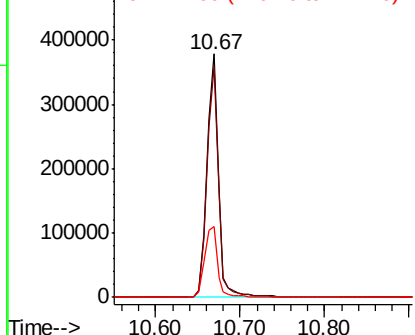
#42
 2,4,6-Tribromophenol
 Concen: 136.628 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Instrument :
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Tgt Ion:330 Resp: 360464
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.7 116.5
 141 33.1 28.1 42.1

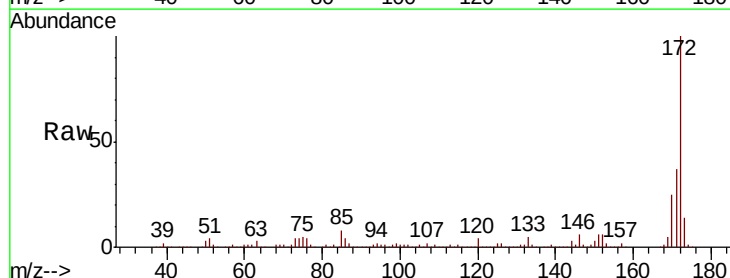


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

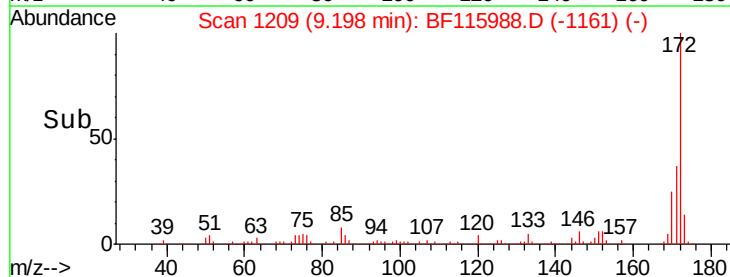
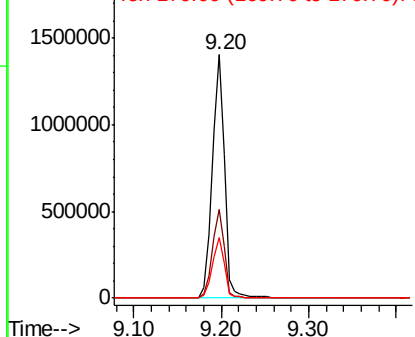


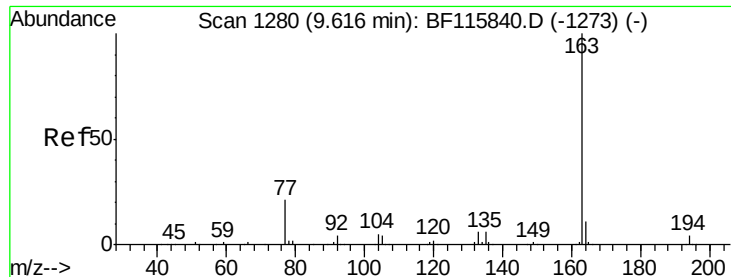
#45
 2-Fluorobiphenyl
 Concen: 94.844 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Tgt Ion:172 Resp: 1377905
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.1 43.7
 170 25.1 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

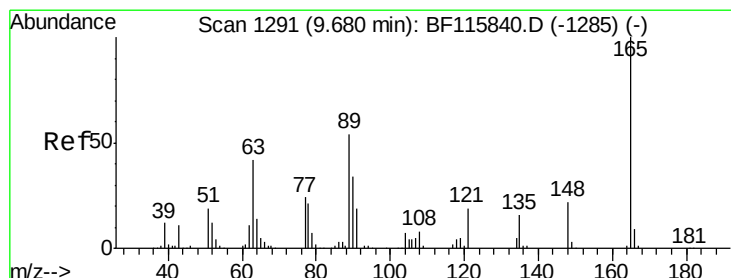
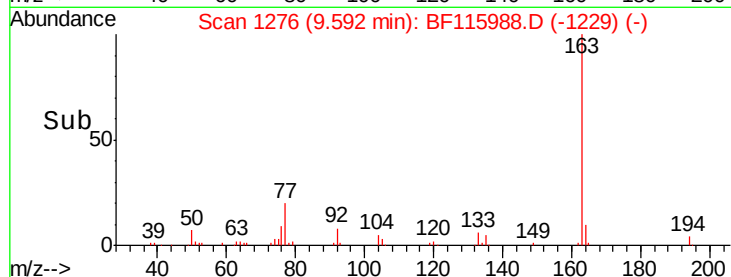
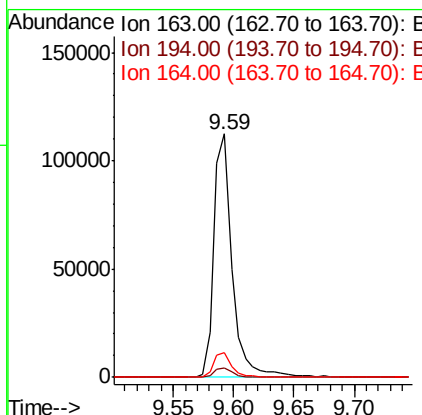
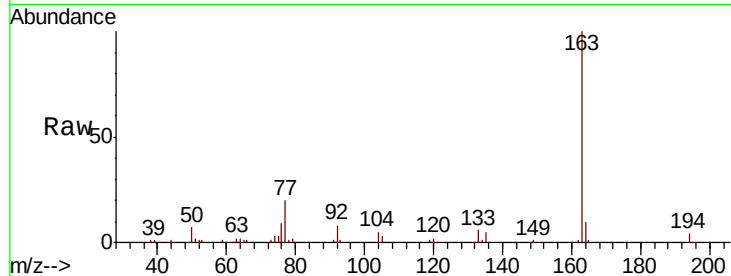




#50
 Dimethylphthalate
 Concen: 6.308 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

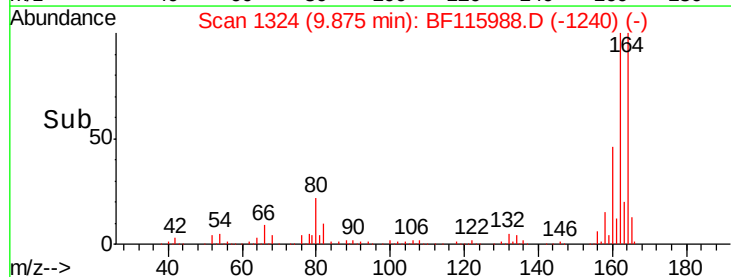
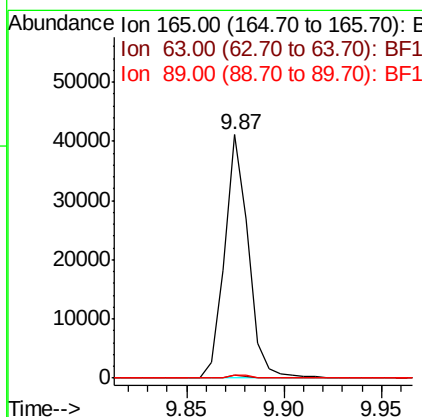
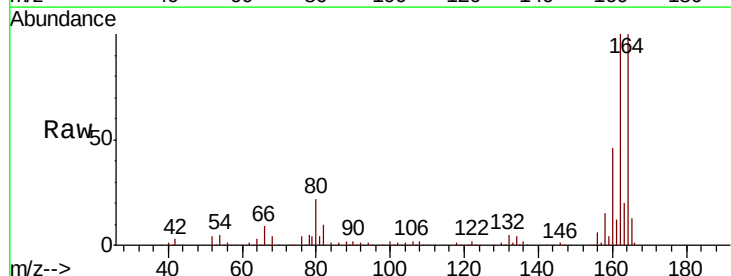
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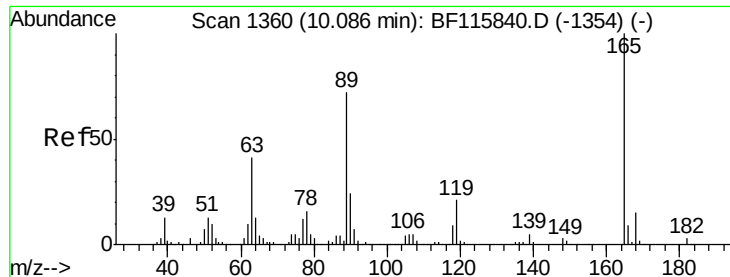
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.1	8.4	12.6



#51
 2,6-Dinitrotoluene
 Concen: 8.635 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.4	59.2#
89	1.2	43.0	64.6#

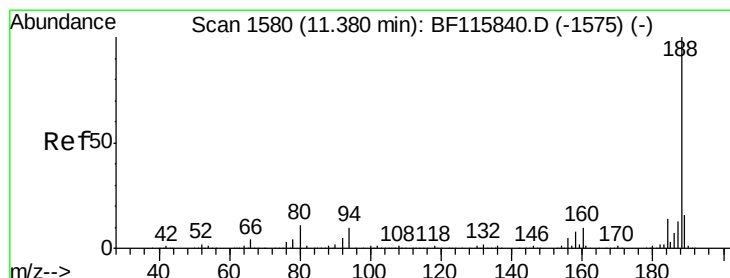
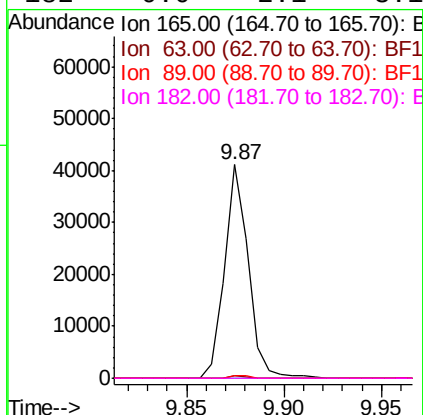
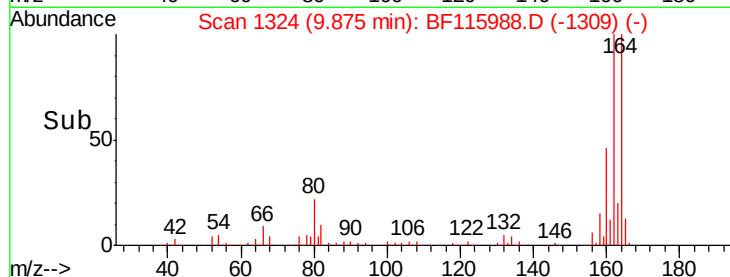
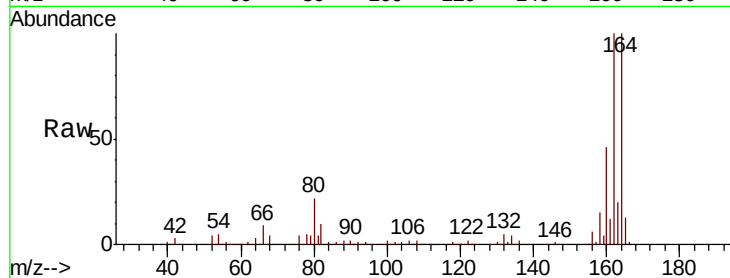




#57
 2,4-Dinitrotoluene
 Concen: 6.486 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

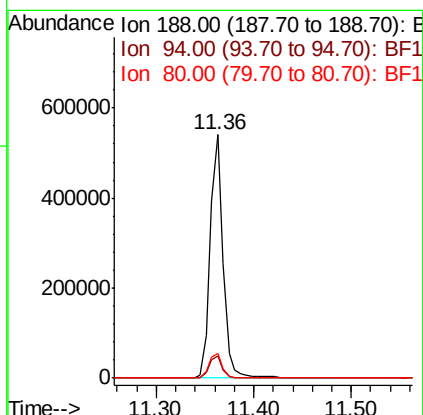
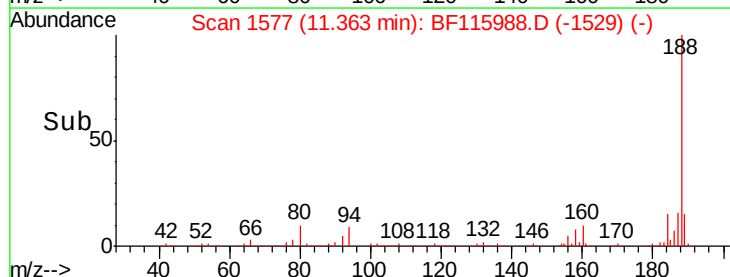
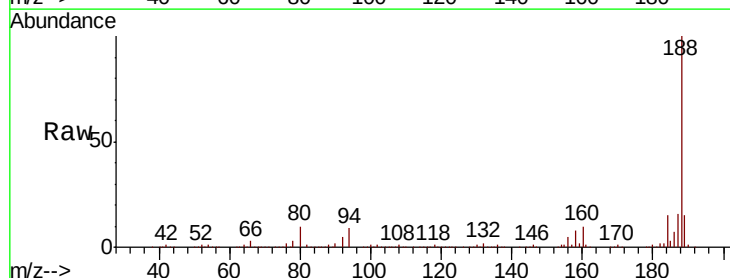
Instrument :
 BNA_F
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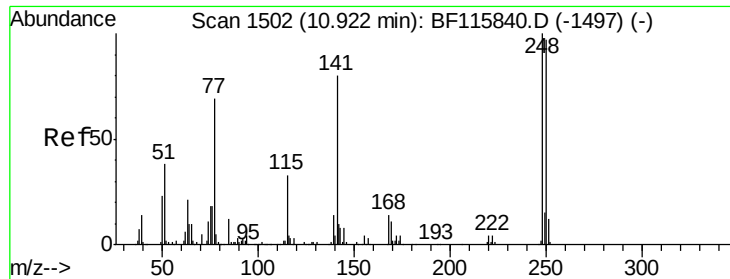
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.2	49.8#
89	1.2	57.3	85.9#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.0	12.0
80	10.1	8.6	12.8

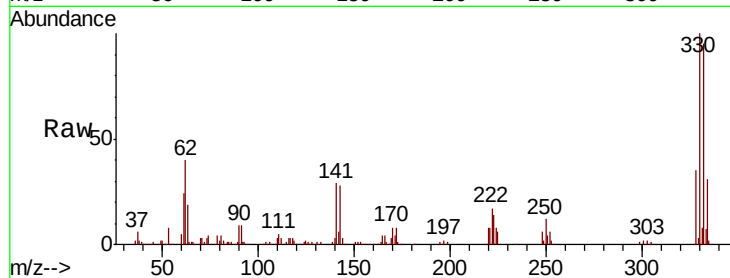




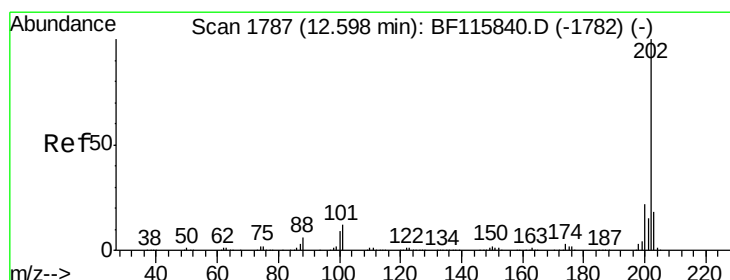
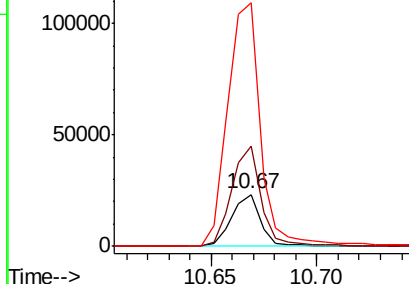
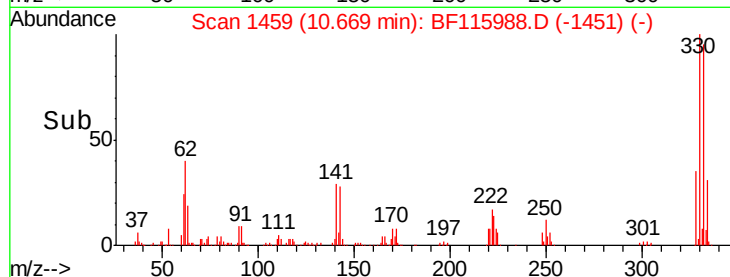
#67
 4-Bromophenyl-phenylether
 Concen: 4.154 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Instrument :
 BNA_F
 ClientSampled :
 RT1873

Tgt Ion:248 Resp: 22032
 Ion Ratio Lower Upper
 248 100
 250 194.6 77.8 116.6#
 141 471.2 64.3 96.5#

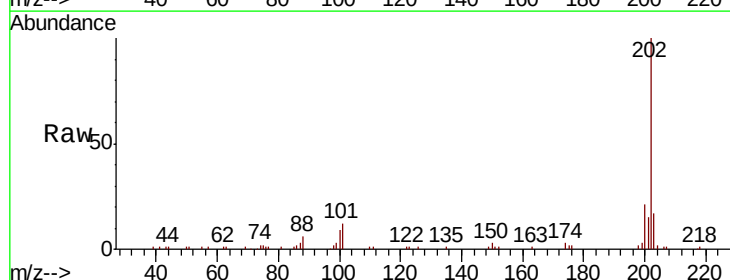


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

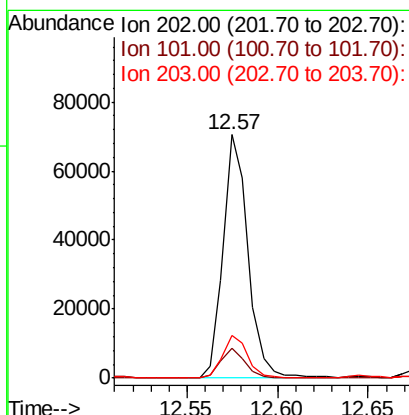
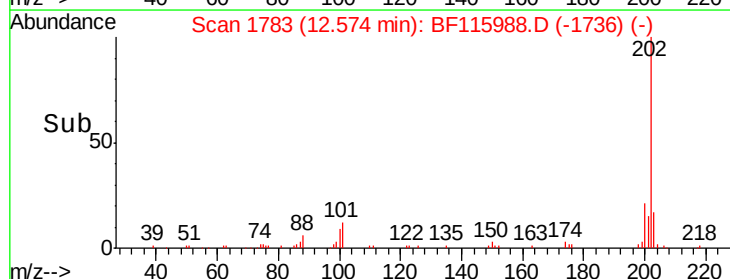


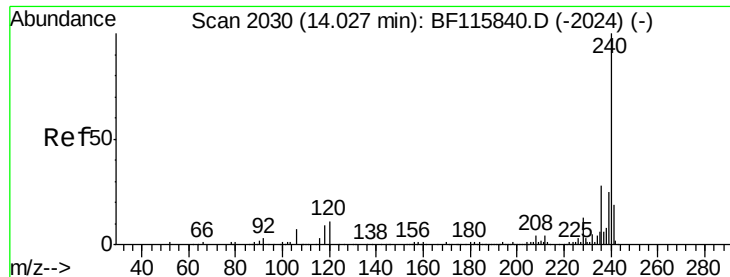
#75
 Fluoranthene
 Concen: 2.556 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.02 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Tgt Ion:202 Resp: 67781
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 31.5
 203 17.3 0.0 37.9



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

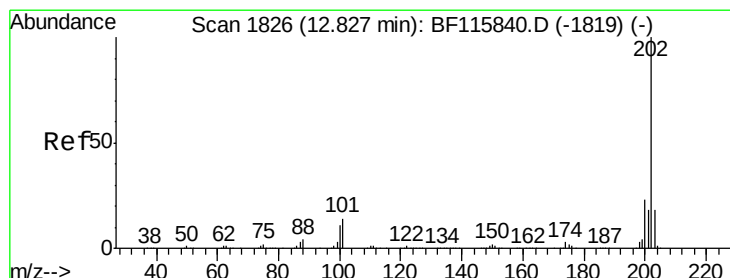
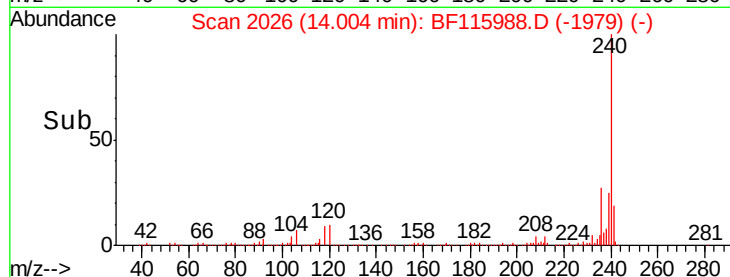
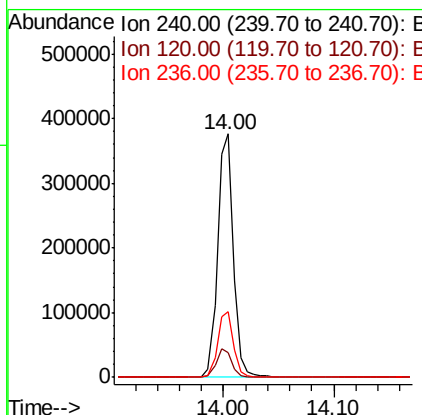
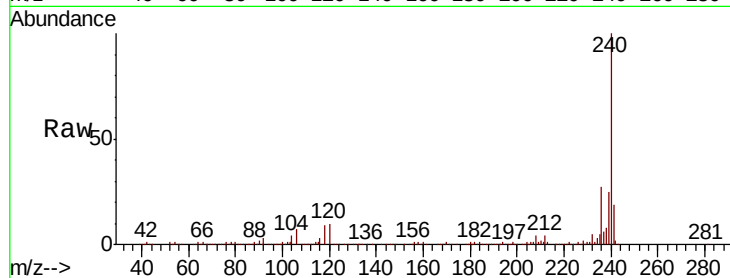




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF115988.D
Acq: 5 Aug 2019 19:07

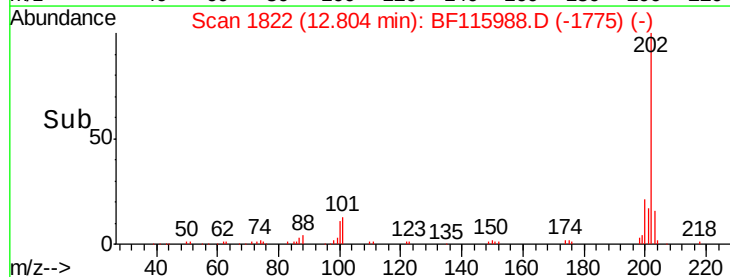
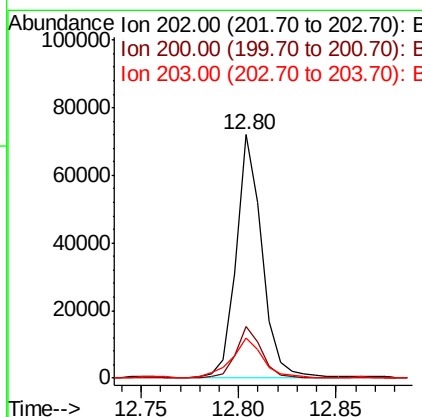
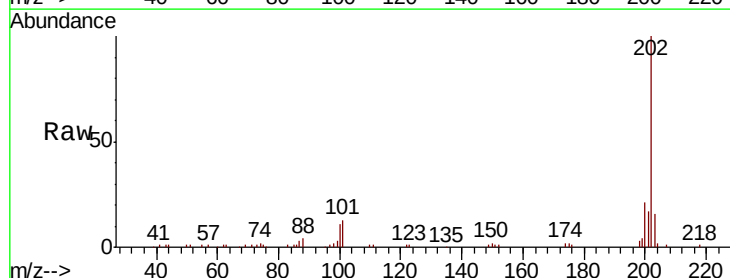
Instrument :
BNA_F
ClientSampleId :
RT1873

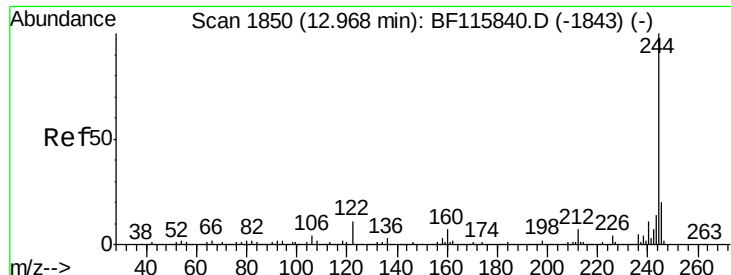
Tgt Ion:240 Resp: 370180
Ion Ratio Lower Upper
240 100
120 10.2 8.5 12.7
236 27.1 22.2 33.2



#78
Pyrene
Concen: 2.377 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF115988.D
Acq: 5 Aug 2019 19:07

Tgt Ion:202 Resp: 66332
Ion Ratio Lower Upper
202 100
200 21.0 18.2 27.2
203 16.2 14.3 21.5

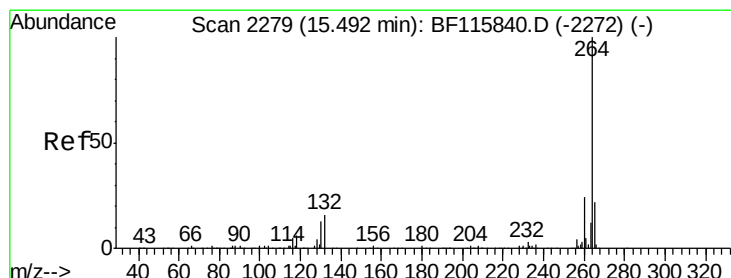
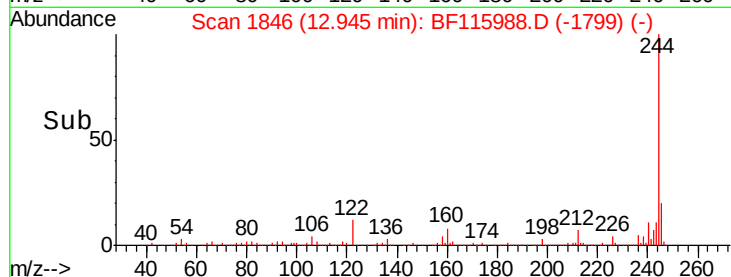
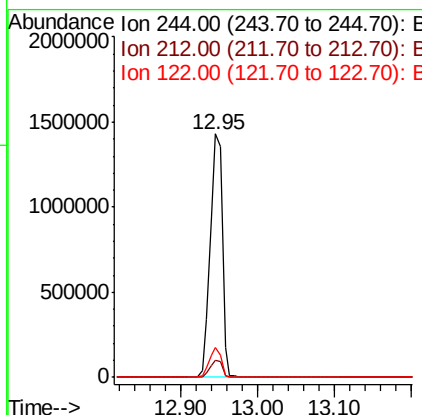
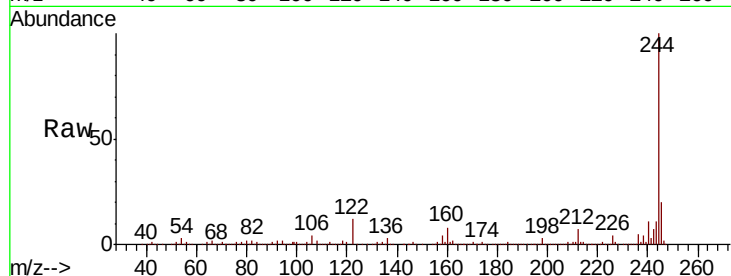




#79
 Terphenyl-d14
 Concen: 87.182 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

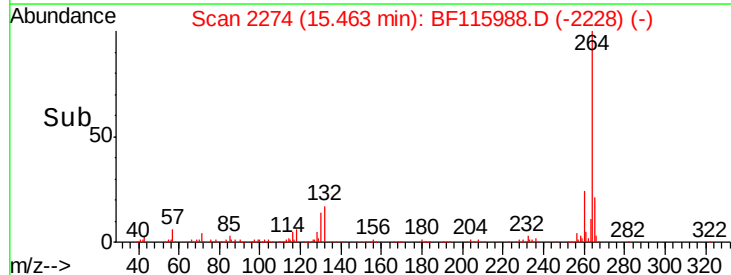
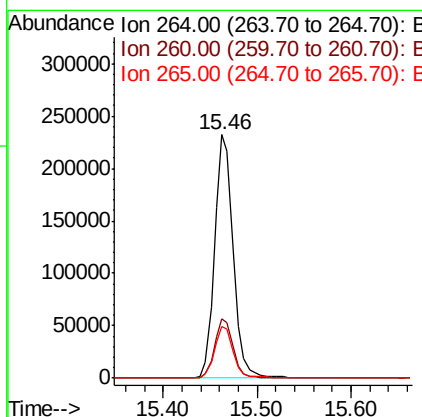
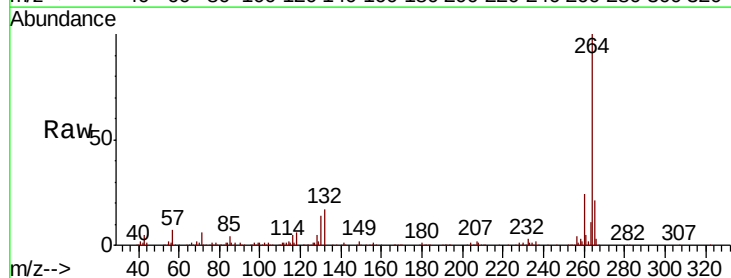
Instrument :
 BNA_F
 ClientSampleId :
 RT1873

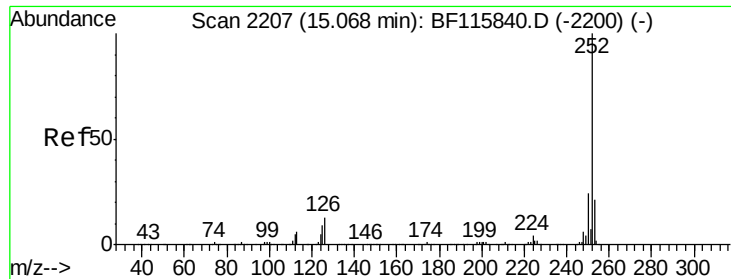
Tgt Ion:244 Resp: 1531591
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 12.3 8.6 13.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.03 min
 Lab File: BF115988.D
 Acq: 5 Aug 2019 19:07

Tgt Ion:264 Resp: 322191
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 21.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.465 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF115988.D

Acq: 5 Aug 2019 19:07

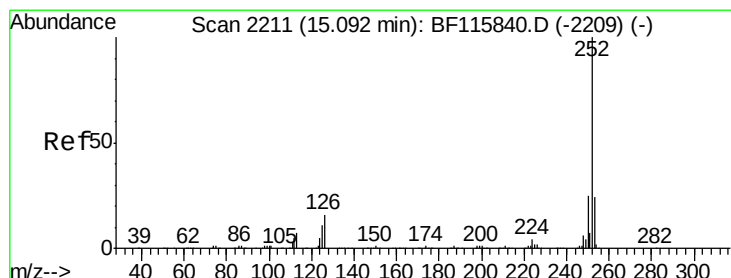
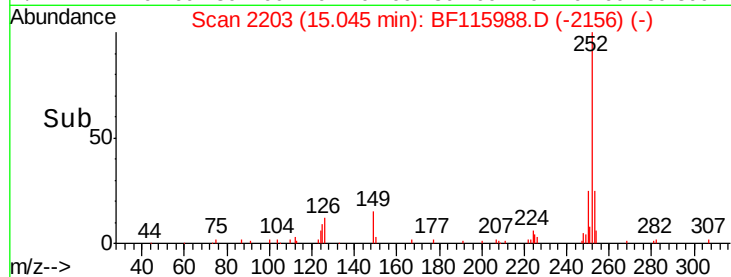
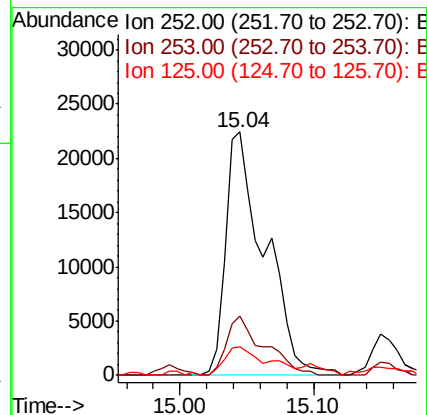
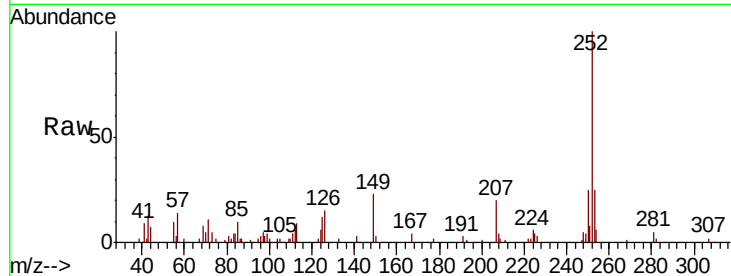
Instrument :

BNA_F

ClientSampleId :

RT1873

Tgt Ion:	252	Resp:	45918
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.2	25.8
125	11.7	7.4	11.0#



#89

Benzo(k)fluoranthene

Concen: 2.531 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.05 min

Lab File: BF115988.D

Acq: 5 Aug 2019 19:07

Tgt Ion:	252	Resp:	45918
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.2	27.4
125	11.7	8.9	13.3

