

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116147.D
 Acq On : 10 Aug 2019 13:36
 Operator : HP/JU
 Sample : K4294-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:55:09 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

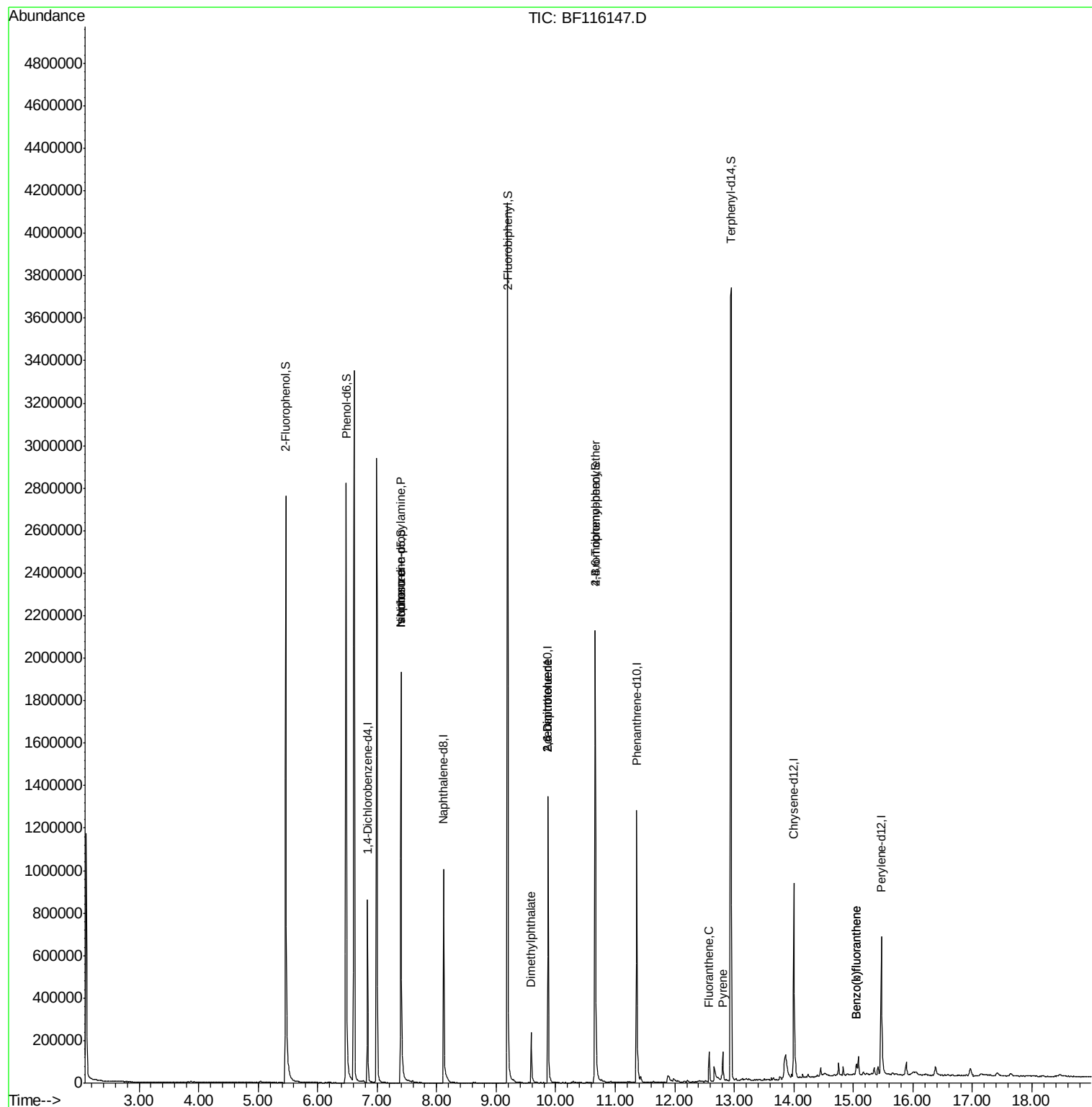
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	140979	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	545676	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	293679	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	521317	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	338866	20.00	ng	-0.01
87) Perylene-d12	15.47	264	346530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	959089	113.89	ng	0.00
7) Phenol-d6	6.48	99	1242485	116.94	ng	0.00
23) Nitrobenzene-d5	7.40	82	810741	85.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	299638	105.24	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1369045	87.32	ng	-0.01
79) Terphenyl-d14	12.95	244	1465866	91.15	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	106739	16.212	ng	# 80
25) Isophorone	7.40	82	810737	44.851	ng	# 65
50) Dimethylphthalate	9.59	163	136134	6.808	ng	100
51) 2,6-Dinitrotoluene	9.87	165	36918	8.496	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	36912	6.380	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	18060	3.236	ng	# 1
75) Fluoranthene	12.57	202	68600	2.459	ng	97
78) Pyrene	12.80	202	61310	2.400	ng	98
88) Benzo(b)fluoranthene	15.05	252	43288	2.160	ng	98
89) Benzo(k)fluoranthene	15.05	252	43288	2.218	ng	# 98

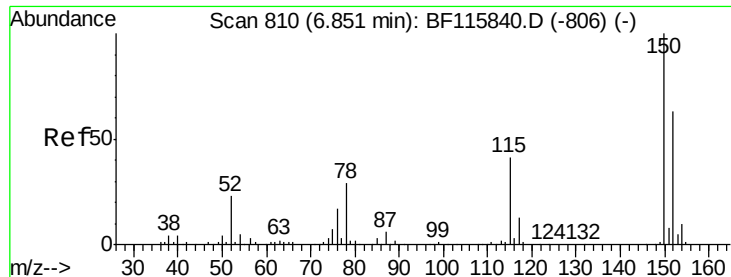
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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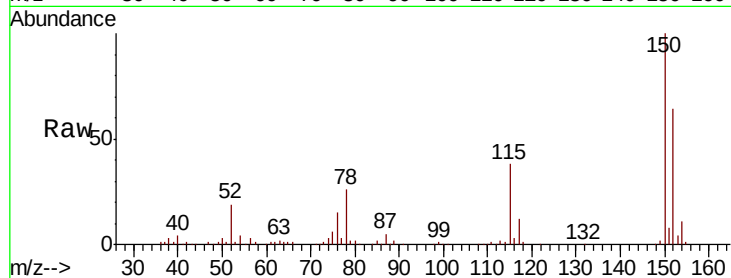


#1

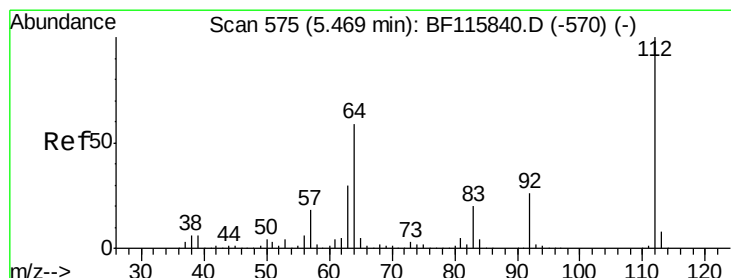
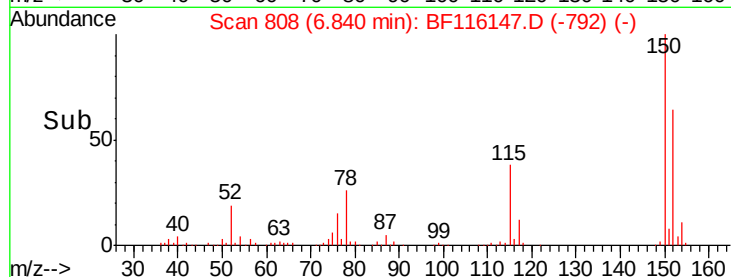
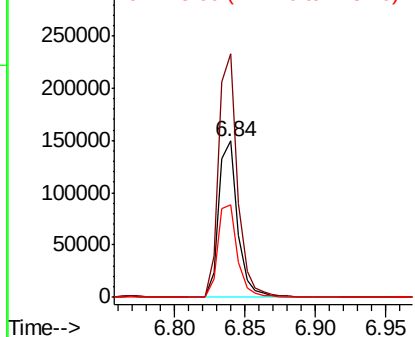
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140979
Ion Ratio Lower Upper
152 100
150 155.7 126.2 189.2
115 59.1 49.9 74.9



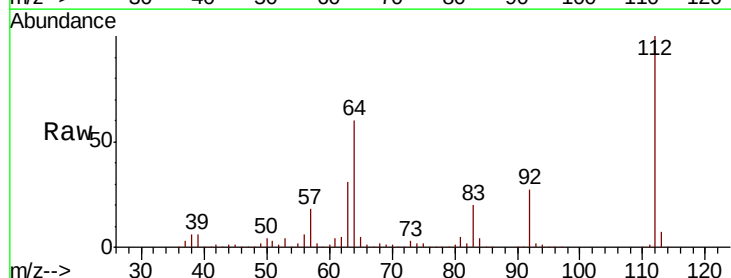
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



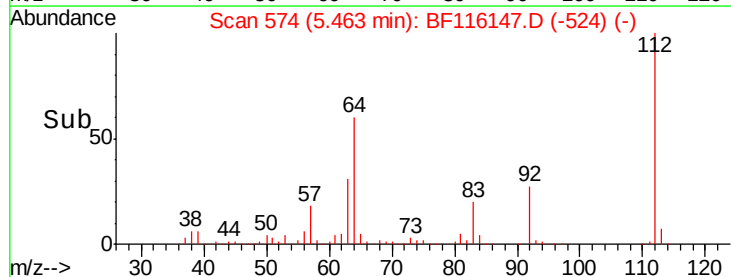
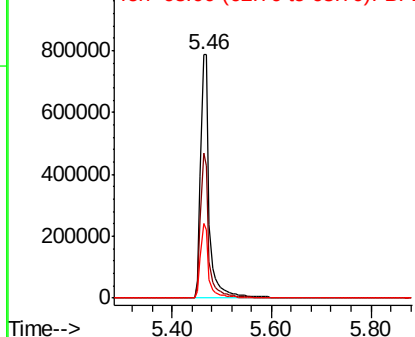
#5

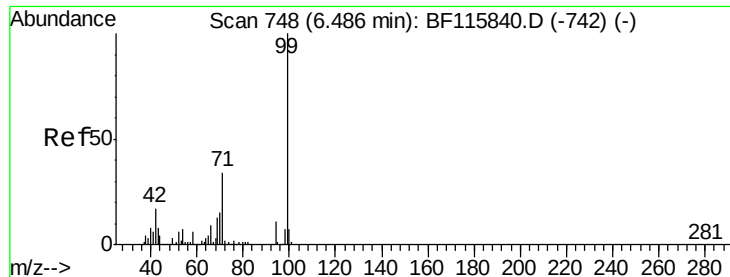
2-Fluorophenol
Concen: 113.887 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

Tgt Ion:112 Resp: 959089
Ion Ratio Lower Upper
112 100
64 59.7 45.4 68.2
63 30.8 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: 116.939 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

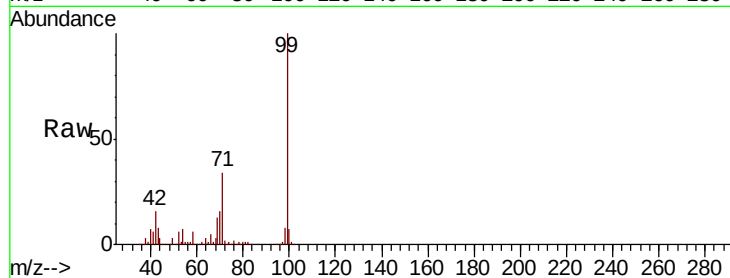
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1242485

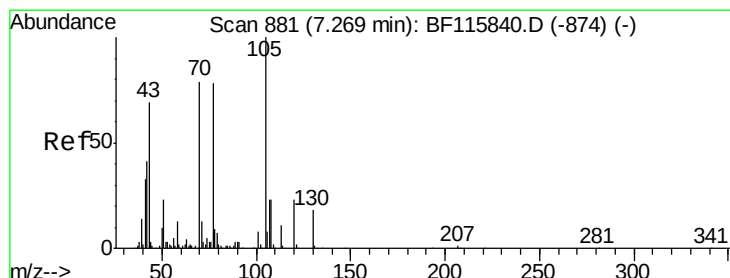
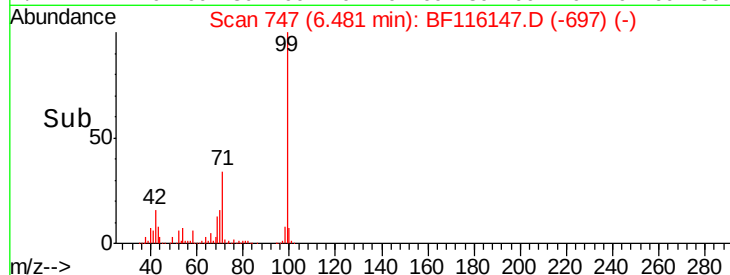
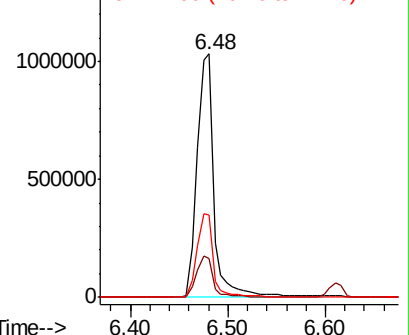
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.8	20.8
71	33.7	27.3	40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.212 ng

RT: 7.40 min Scan# 903

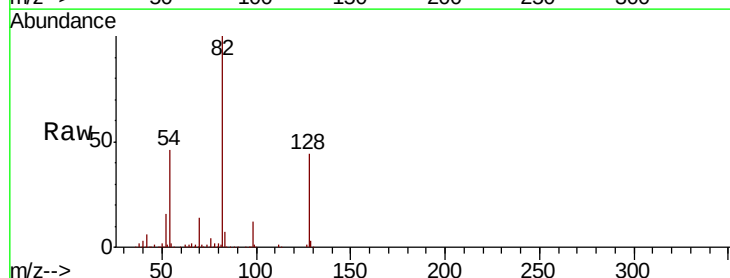
Delta R.T. 0.13 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

Tgt Ion: 70 Resp: 106739

Ion	Ratio	Lower	Upper
70	100		
42	44.0	40.9	61.3
101	0.0	7.9	11.9#
130	2.1	16.9	25.3#

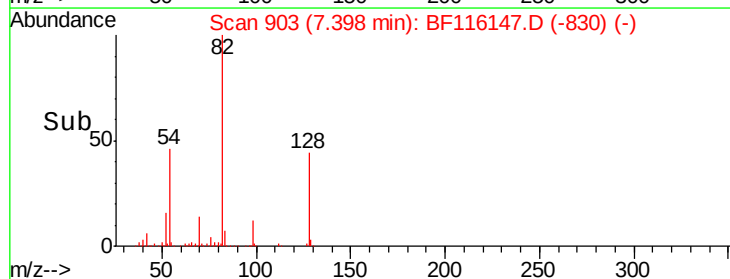
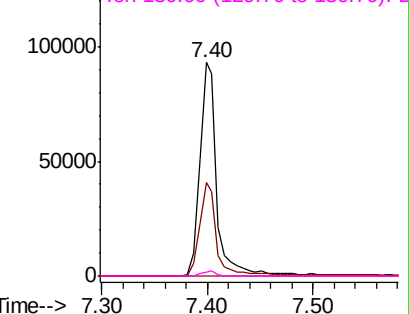


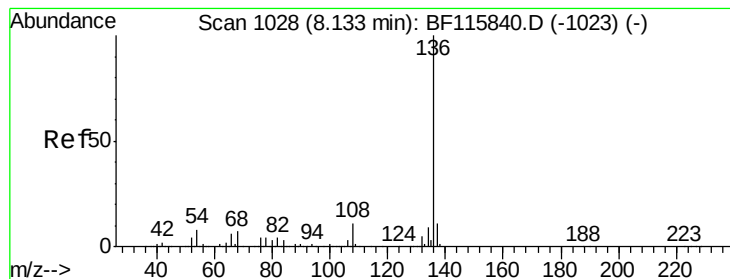
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 545676

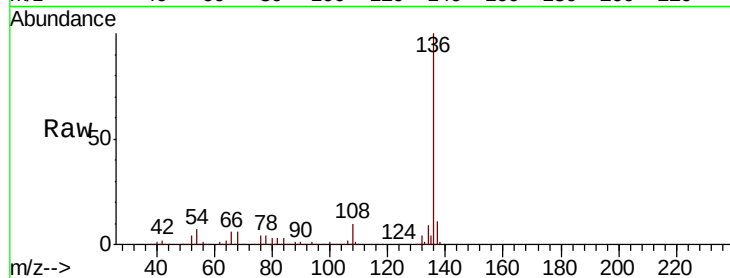
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.4 5.8 8.6

68 6.3 5.2 7.8

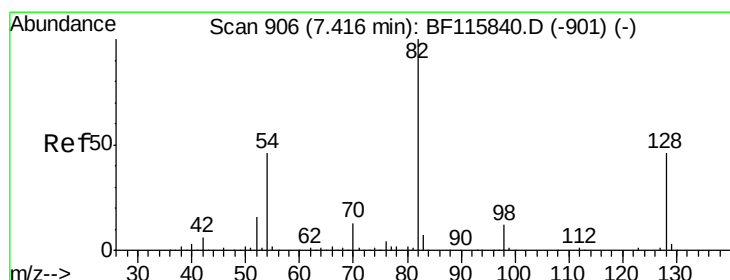
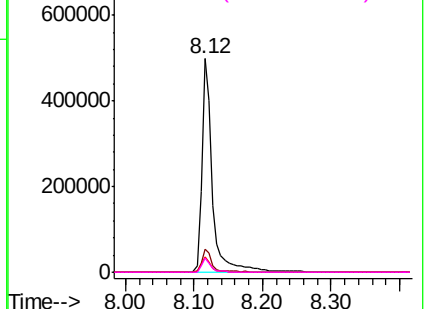
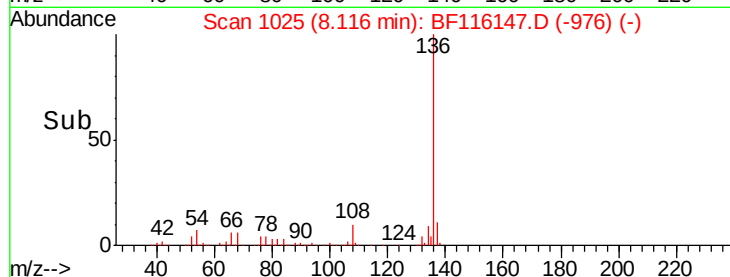


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.762 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

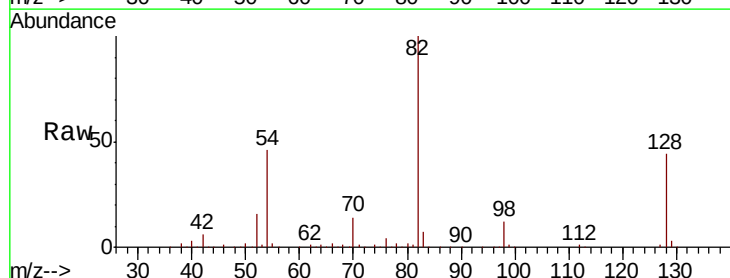
Tgt Ion: 82 Resp: 810741

Ion Ratio Lower Upper

82 100

128 44.2 36.5 54.7

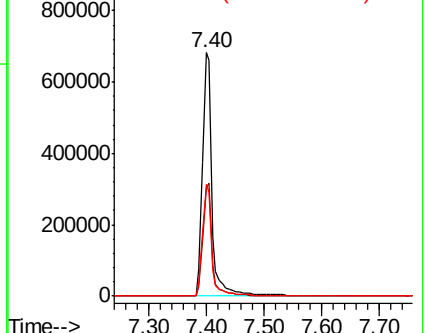
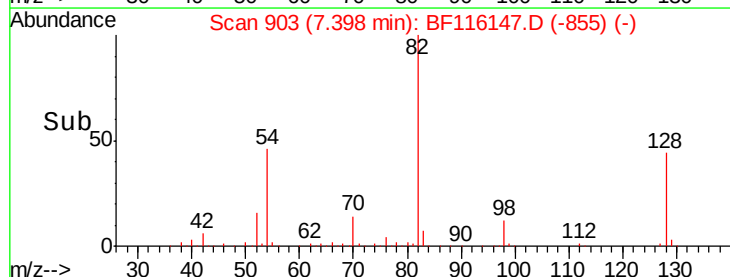
54 46.0 36.0 54.0

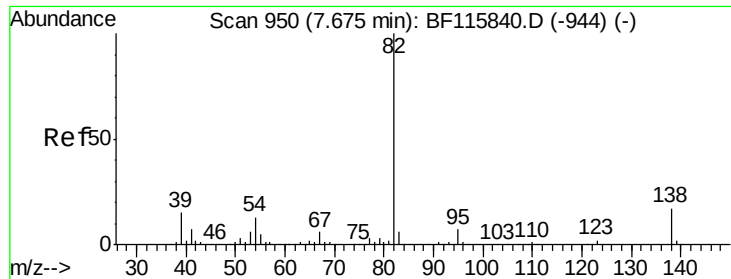


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

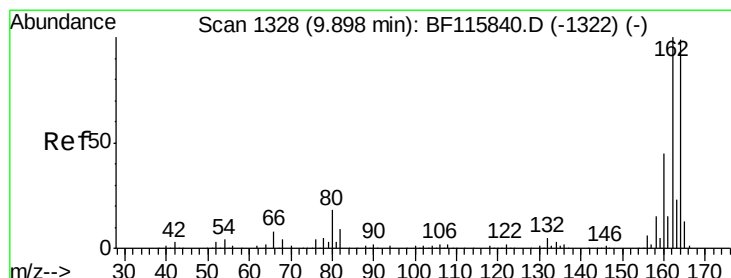
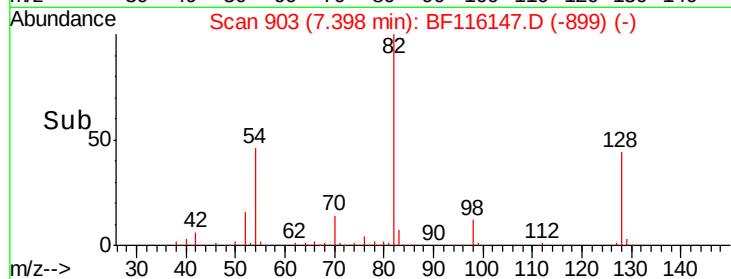
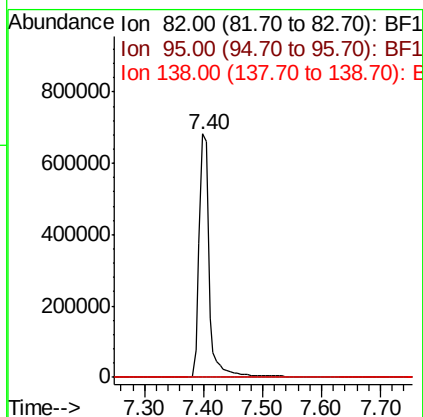
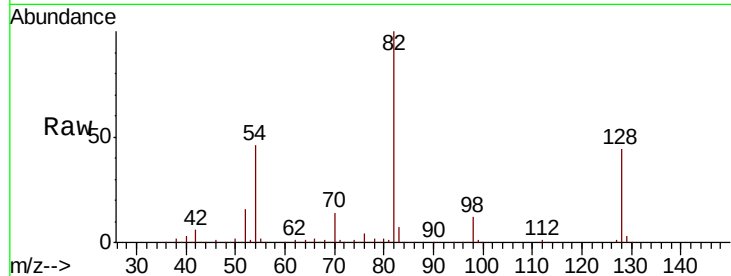




#25
Isophorone
Concen: 44.851 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

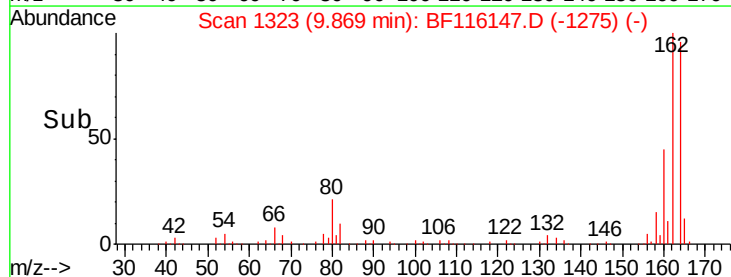
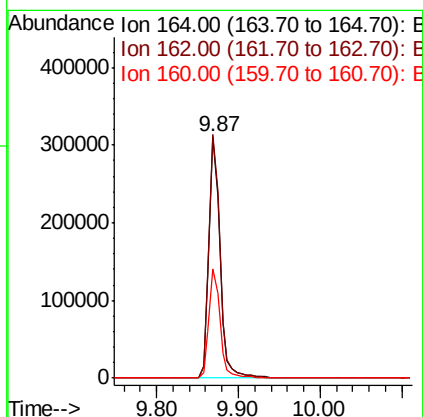
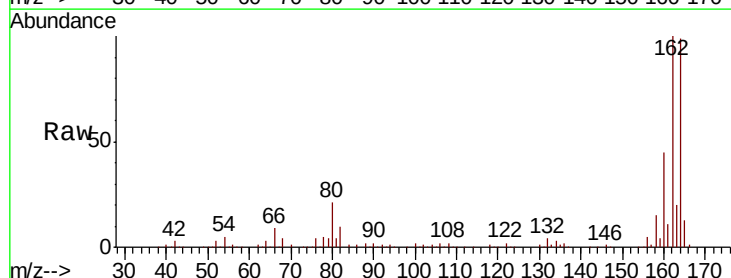
Instrument :
BNA_F
ClientSampled :

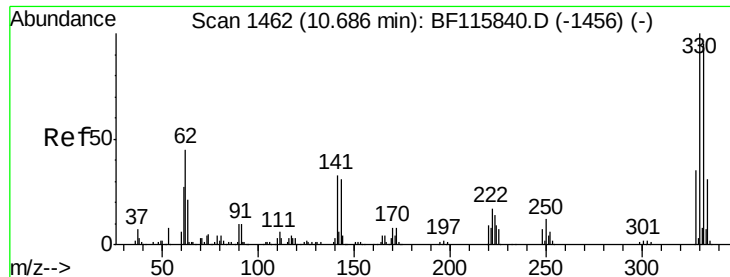
Tot Ion: 82 Resp: 810737
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

Tgt Ion: 164 Resp: 293679
Ion Ratio Lower Upper
164 100
162 101.0 82.6 124.0
160 45.5 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 105.236 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

Instrument :

BNA_F

ClientSampleId :

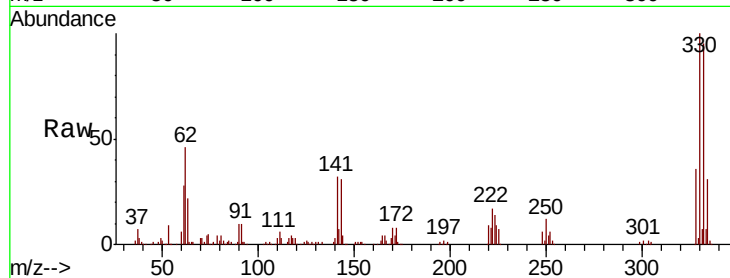
Tot Ion:330 Resp: 299638

Ion Ratio Lower Upper

330 100

332 95.5 76.8 115.2

141 33.6 26.3 39.5

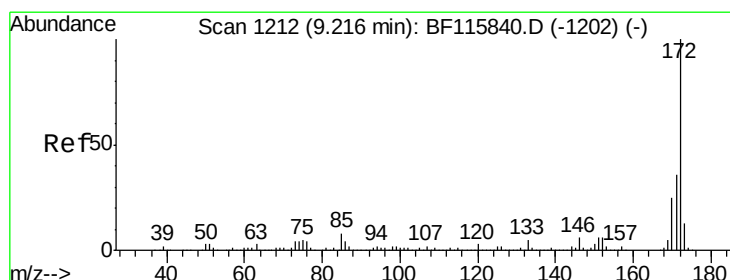
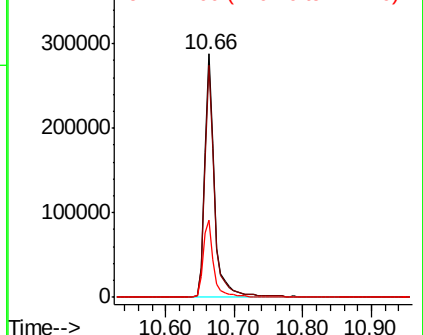
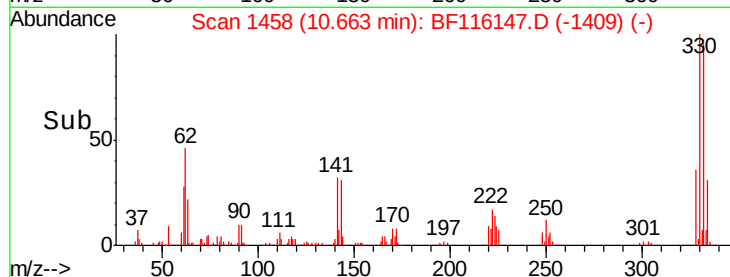


Abundance

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: 87.317 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

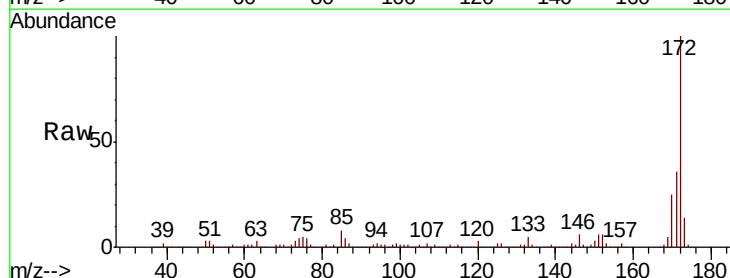
Tgt Ion:172 Resp: 1369045

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

170 24.9 20.1 30.1

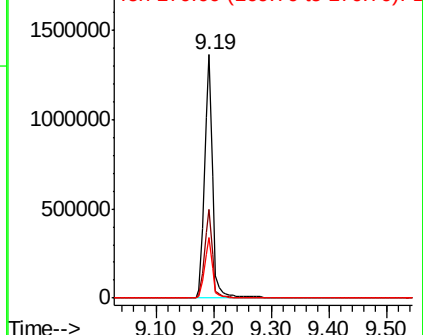
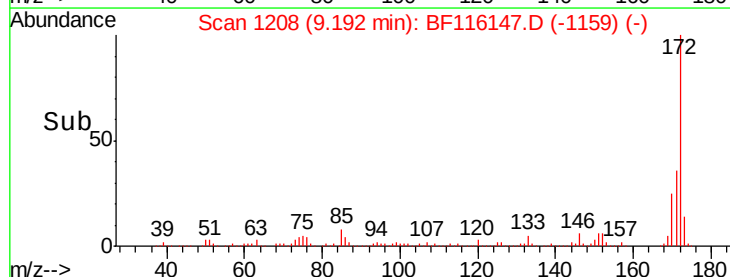


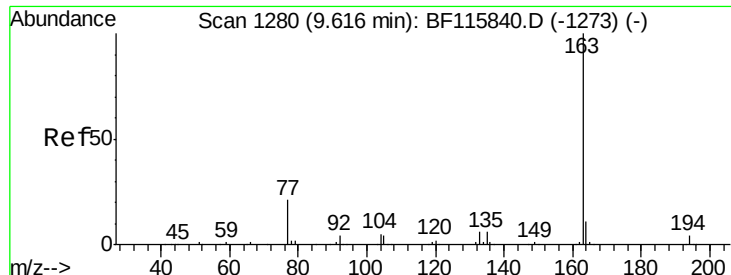
Abundance

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: 6.808 ng

RT: 9.59 min Scan# 1275

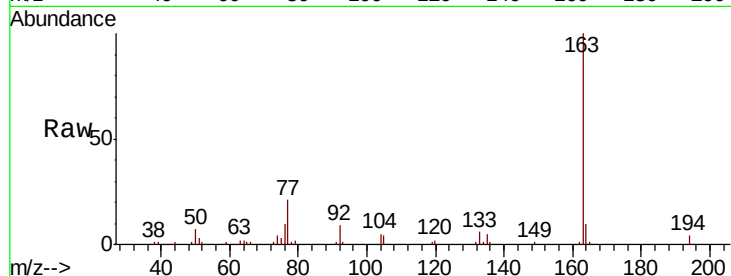
Delta R.T. -0.02 min

Lab File: BF116147.D

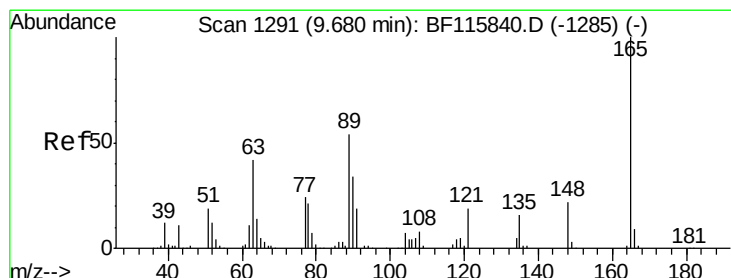
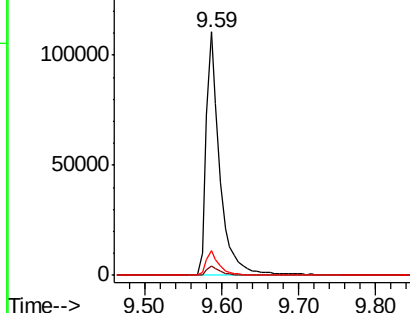
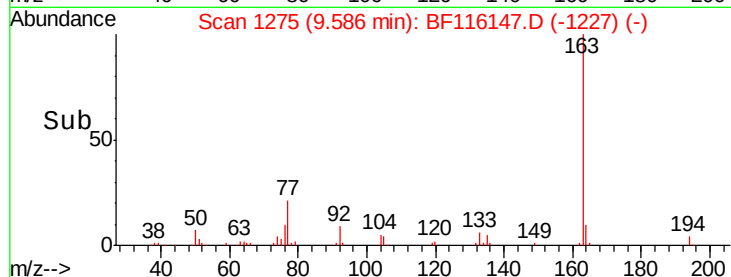
Acq: 10 Aug 2019 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163	Resp:	136134
Ion Ratio	Lower	Upper
163	100	
194	4.0	3.0 4.6
164	10.4	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



#51

2,6-Dinitrotoluene

Concen: 8.496 ng

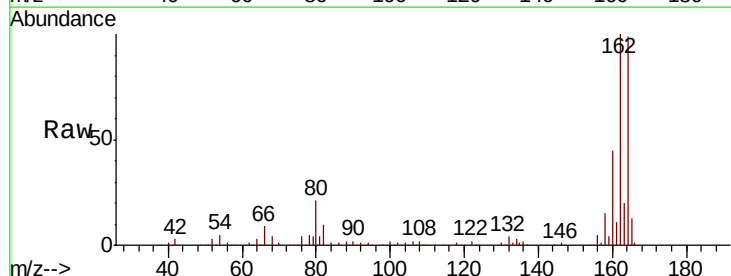
RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

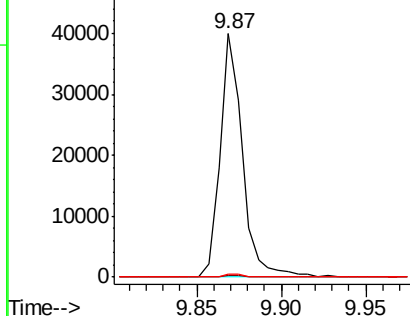
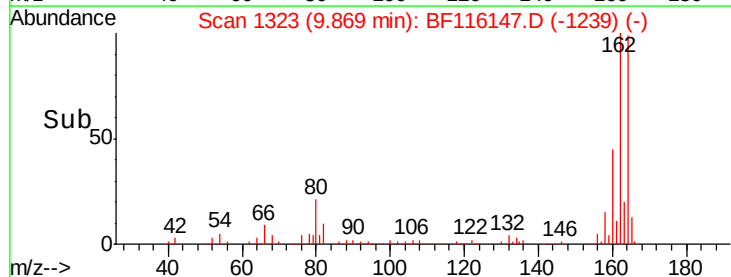
Lab File: BF116147.D

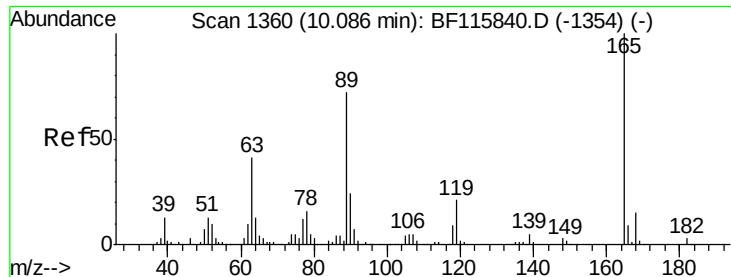
Acq: 10 Aug 2019 13:36

Tgt Ion:165	Resp:	36918
Ion Ratio	Lower	Upper
165	100	
63	1.0	38.2 57.2#
89	1.3	42.9 64.3#



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





#57

2,4-Dinitrotoluene

Concen: 6.380 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116147.D

Acq: 10 Aug 2019 13:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 36912

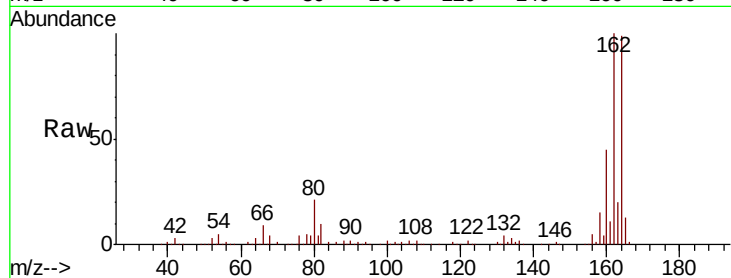
Ion Ratio Lower Upper

165 100

63 1.0 39.6 59.4#

89 1.3 62.2 93.2#

182 0.0 2.1 3.1#

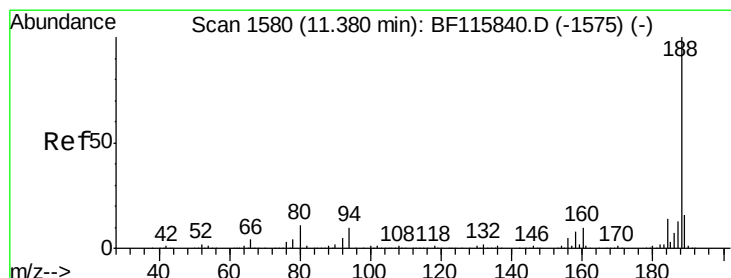
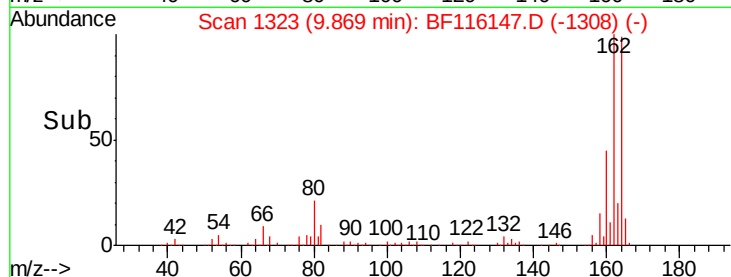
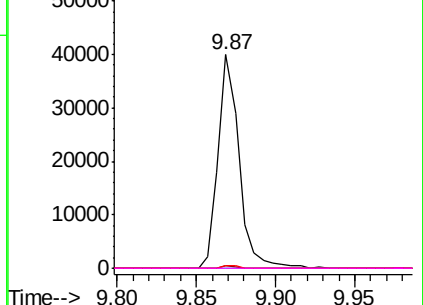


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116147.D

Acq: 10 Aug 2019 13:36

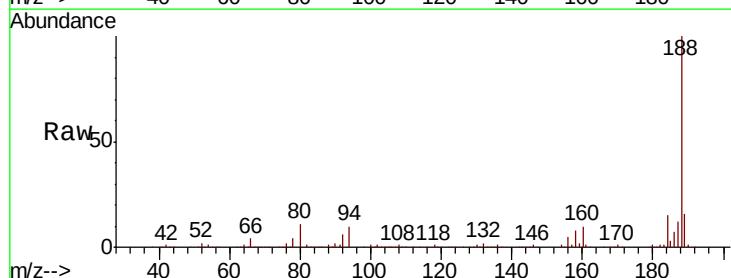
Tgt Ion:188 Resp: 521317

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

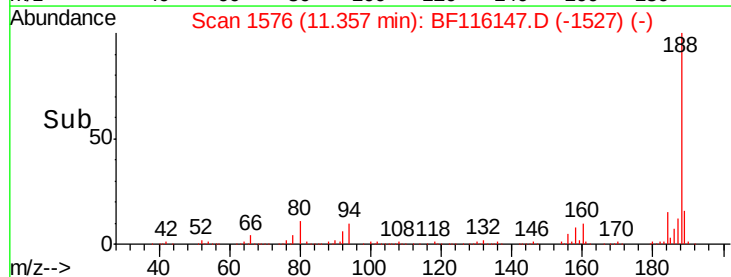
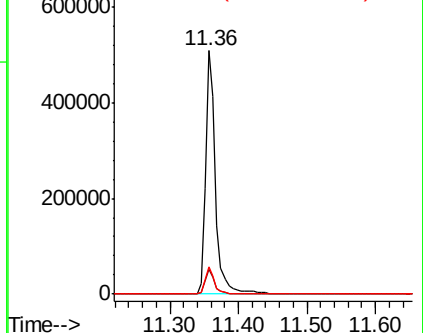
80 11.2 8.7 13.1

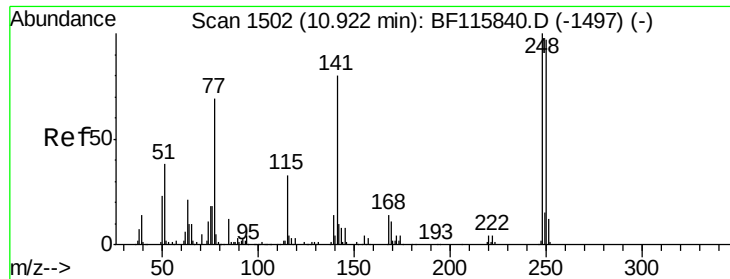


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

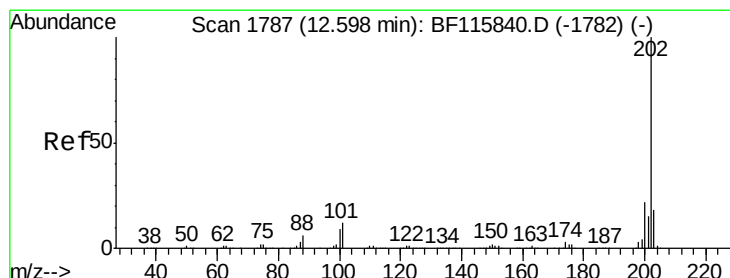
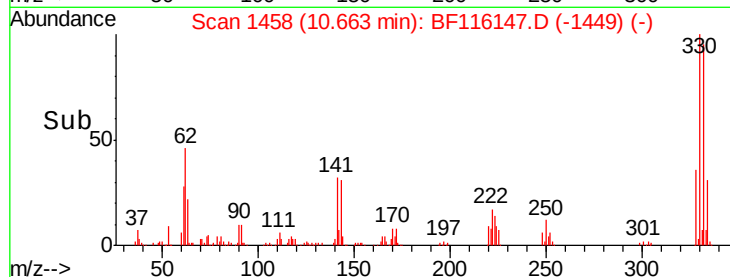
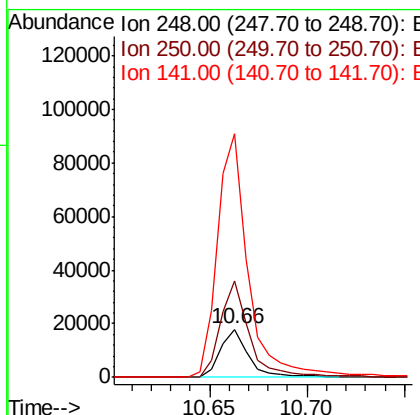
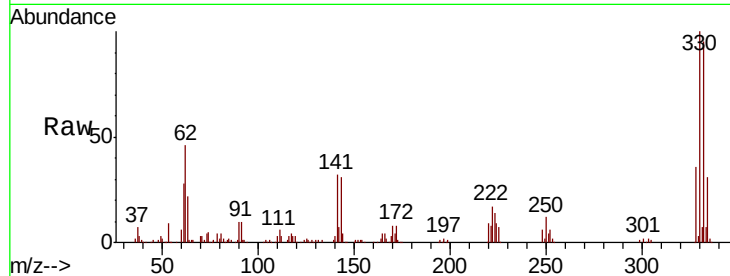




#67
 4-Bromophenyl-phenylether
 Concen: 3.236 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116147.D
 Acq: 10 Aug 2019 13:36

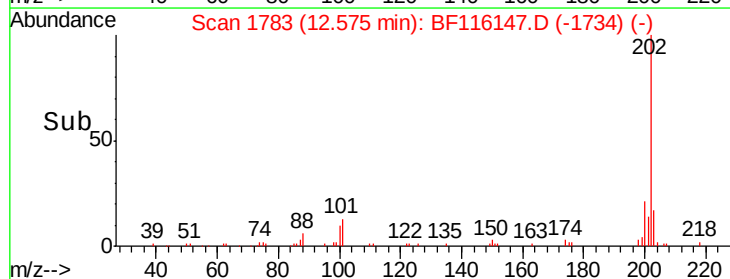
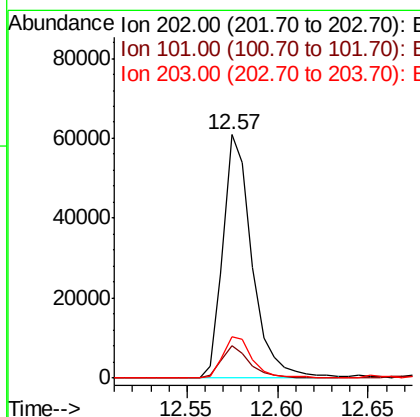
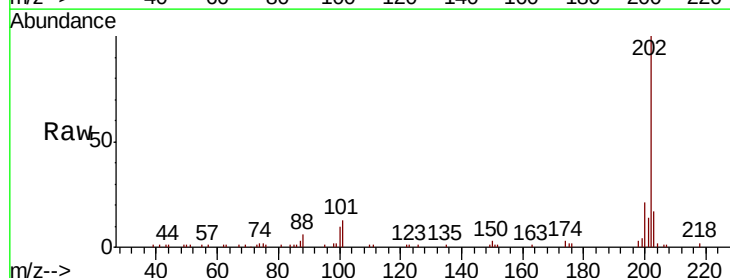
Instrument :
 BNA_F
 ClientSampleId :

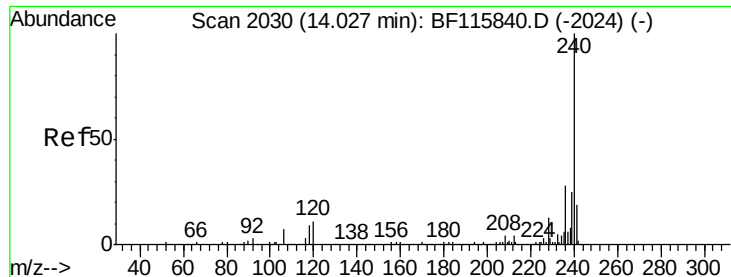
Tot Ion	Ratio	Lower	Upper
248	100		
250	198.3	77.4	116.2#
141	503.9	56.8	85.2#



#75
 Fluoranthene
 Concen: 2.459 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF116147.D
 Acq: 10 Aug 2019 13:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.2
203	17.2	0.0	37.8

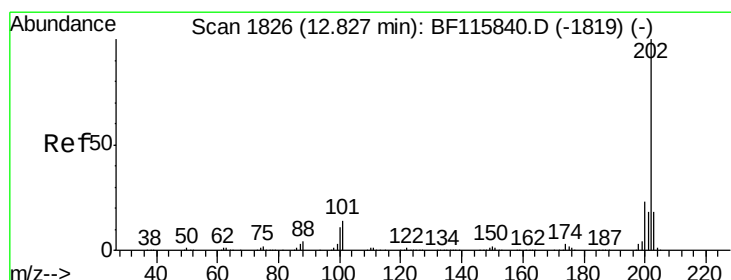
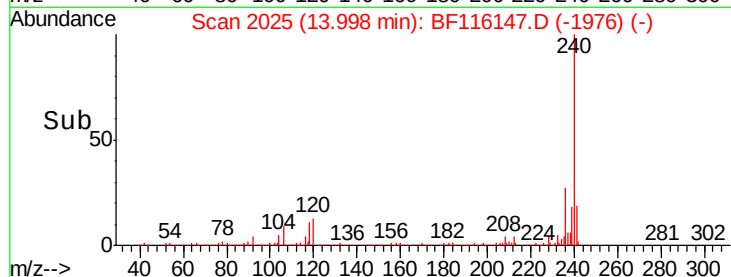
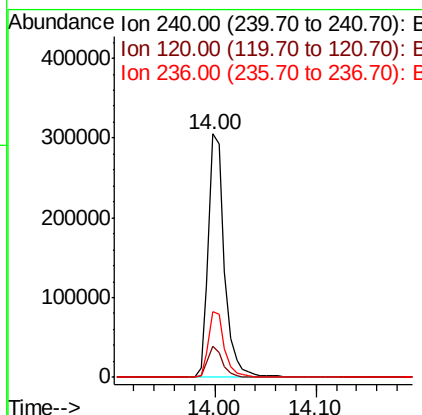
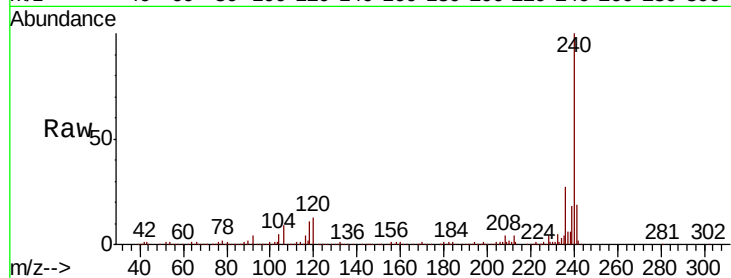




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

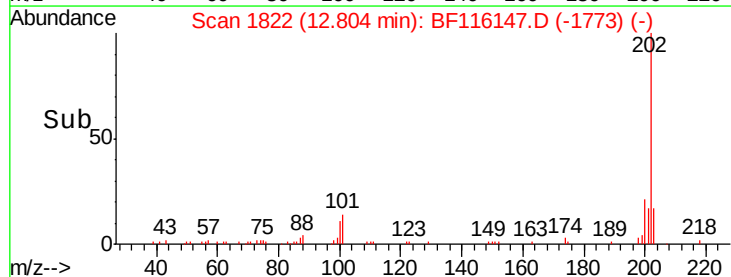
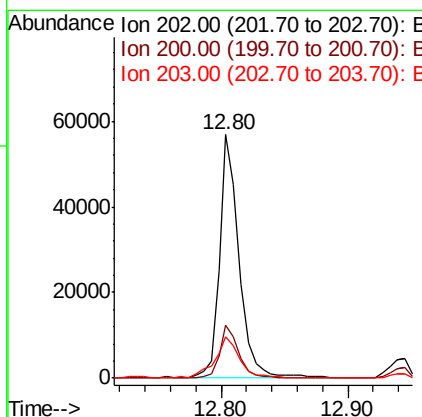
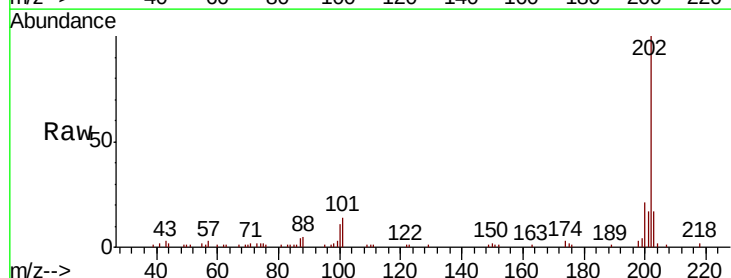
Instrument :
BNA_F
ClientSampleId :

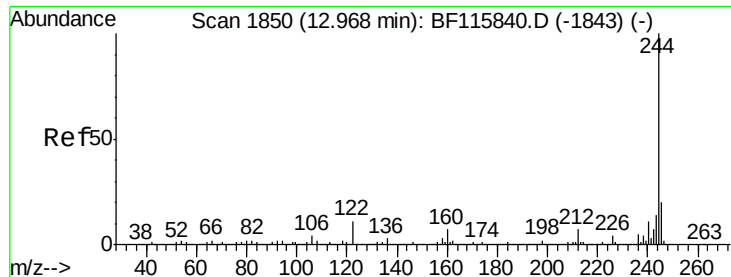
Tot Ion:240 Resp: 338866
Ion Ratio Lower Upper
240 100
120 12.6 10.7 16.1
236 26.9 22.2 33.2



#78
Pyrene
Concen: 2.400 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

Tgt Ion:202 Resp: 61310
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.0 14.1 21.1



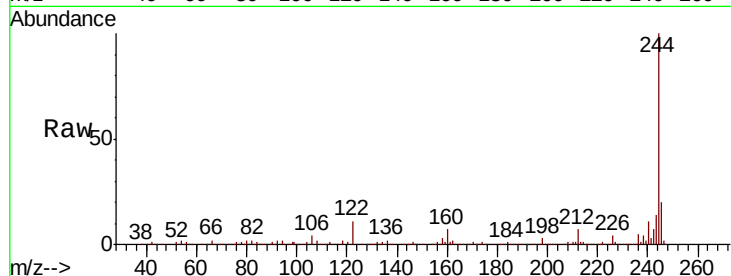


#79
 Terphenyl-d14
 Concen: 91.152 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116147.D
 Acq: 10 Aug 2019 13:36

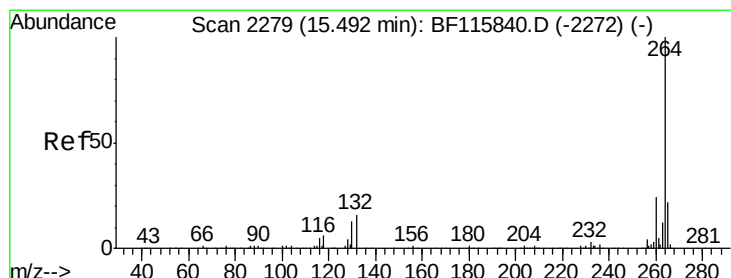
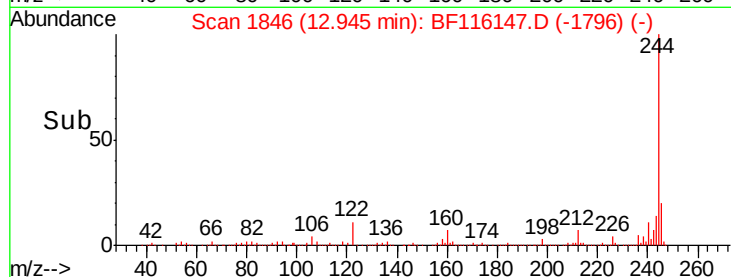
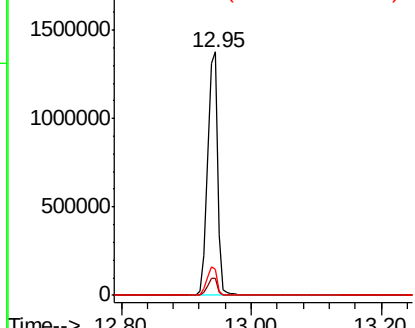
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1465866

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.5	9.0	13.4



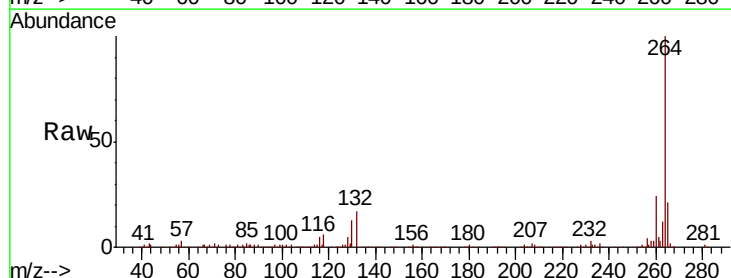
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



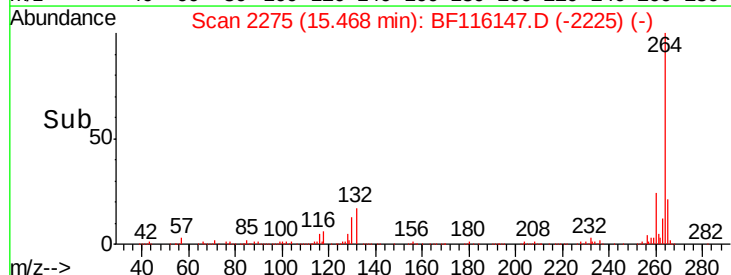
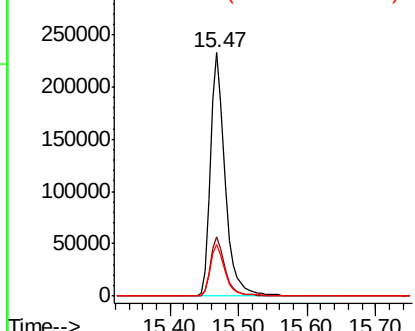
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116147.D
 Acq: 10 Aug 2019 13:36

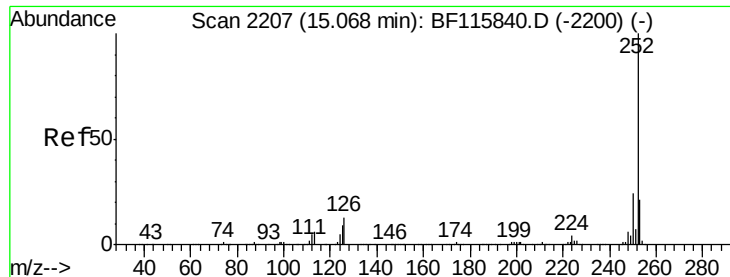
Tgt Ion:264 Resp: 346530

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	21.3	17.4	26.0



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

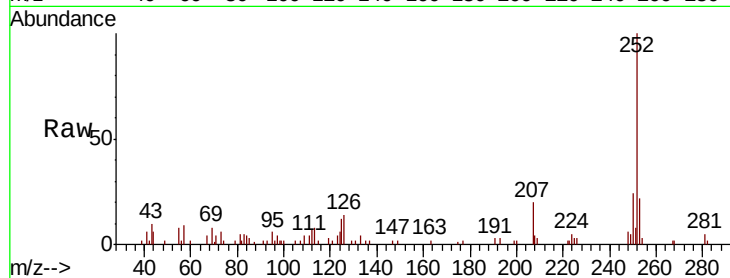




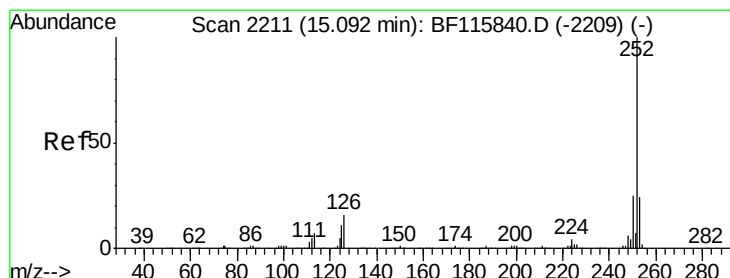
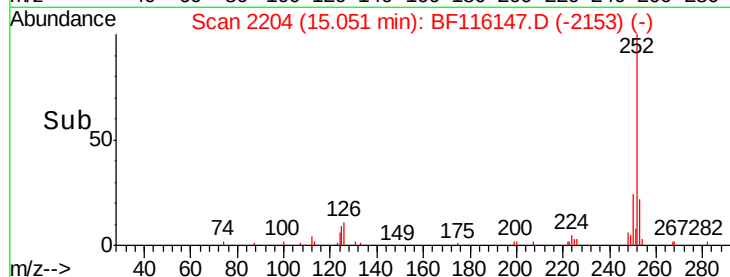
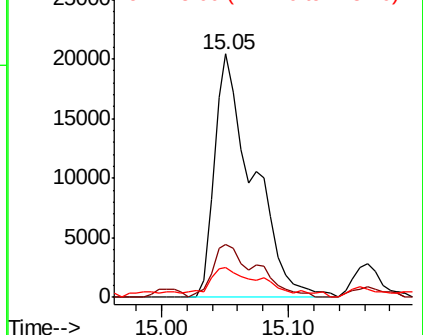
#88
Benzo(b)fluoranthene
Concen: 2.160 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	12.1	8.4	12.6

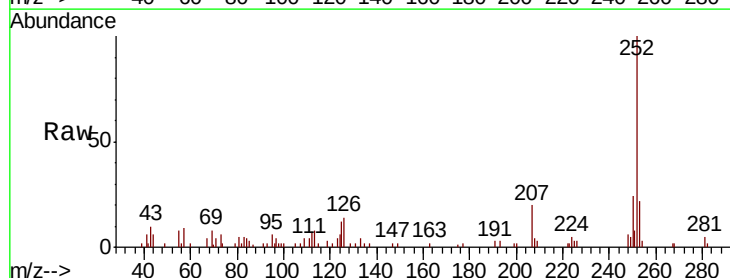


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.218 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116147.D
Acq: 10 Aug 2019 13:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	12.1	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

