

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007062.D
 Acq On : 10 Aug 2019 23:34
 Operator : HP/JU
 Sample : K4239-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:38:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8663	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32452	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	18444	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	45438	0.40	ng	0.00
26) Chrysene-d12	21.05	240	47310	0.40	ng	-0.01
32) Perylene-d12	23.16	264	52665	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	6690	0.32	ng	0.00
4) Phenol-d6	6.61	99	8076	0.31	ng	0.00
7) Nitrobenzene-d5	8.56	82	5675	0.22	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12691	0.21	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	299	0.03	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5723	0.21	ng	0.00
24) Fluoranthene-d10	18.87	212	31682	0.20	ng	0.00
28) Terphenyl-d14	19.49	244	25715	0.20	ng	0.00

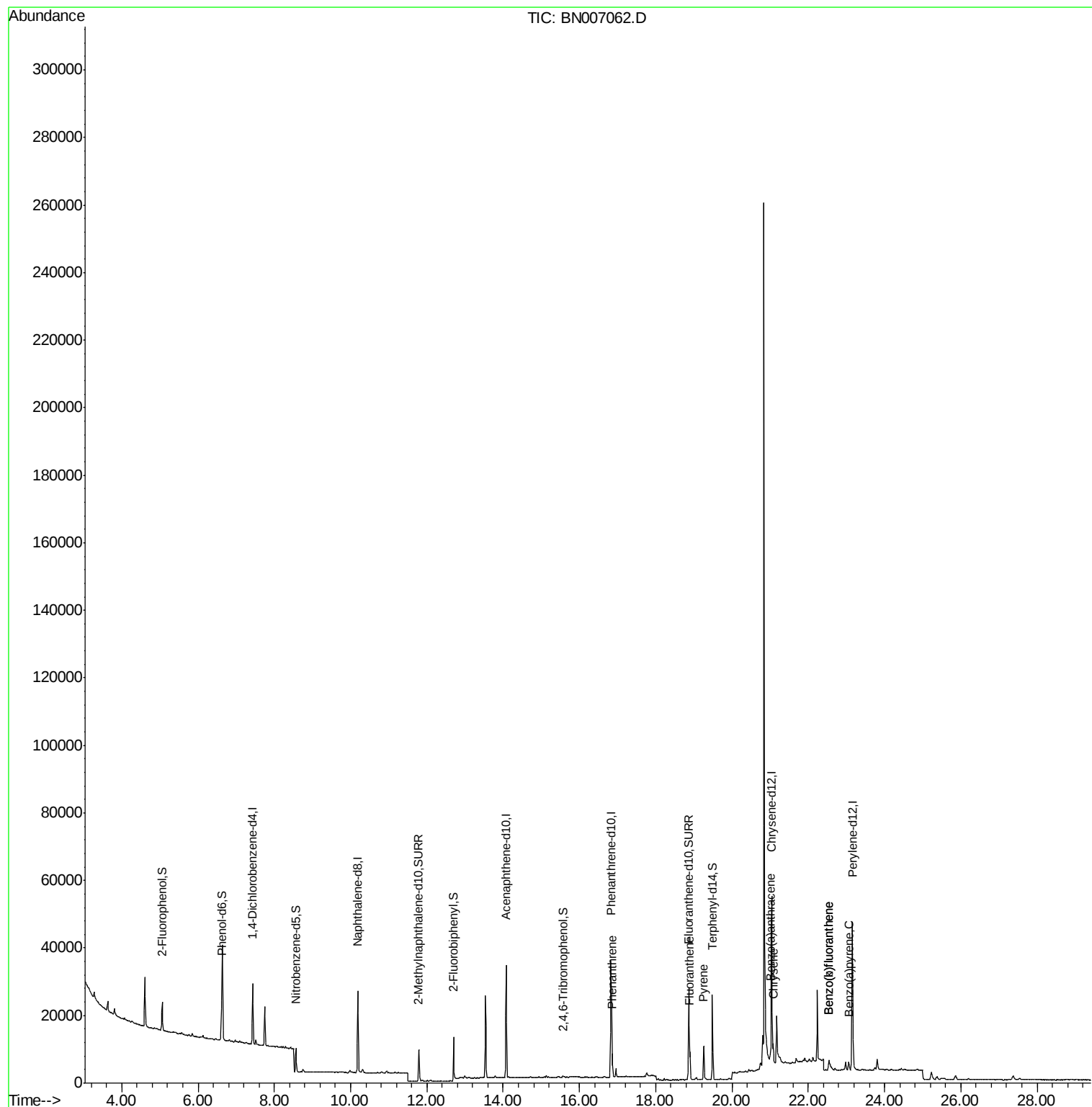
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Phenanthrene	16.87	178	6836	0.050	ng	97
25) Fluoranthene	18.90	202	8055	0.046	ng	99
27) Pyrene	19.26	202	9502	0.057	ng	96
29) Benzo(a)anthracene	21.02	228	4317	0.025	ng	# 88
30) Chrysene	21.08	228	5162	0.031	ng	# 93
33) Benzo(b)fluoranthene	22.54	252	5051	0.028	ng	# 64
34) Benzo(k)fluoranthene	22.54	252	5051	0.028	ng	# 63
35) Benzo(a)pyrene	23.07	252	3499	0.021	ng	# 60

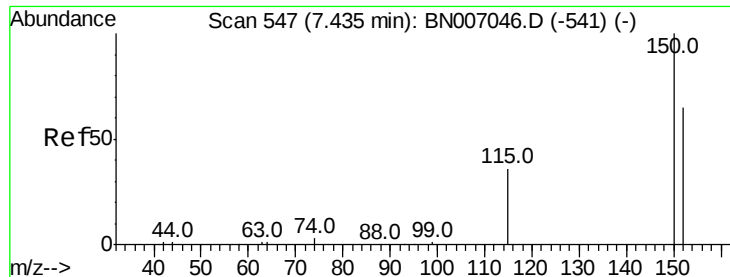
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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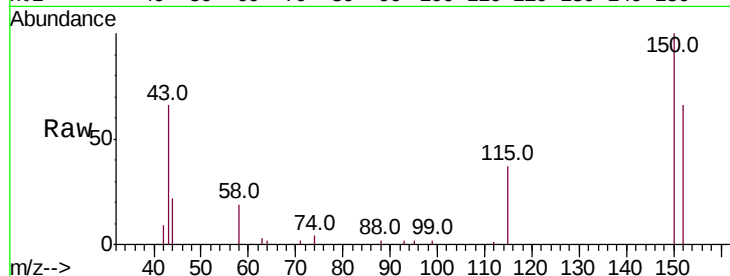


#1

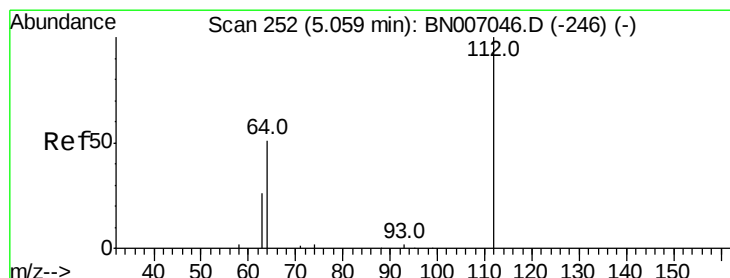
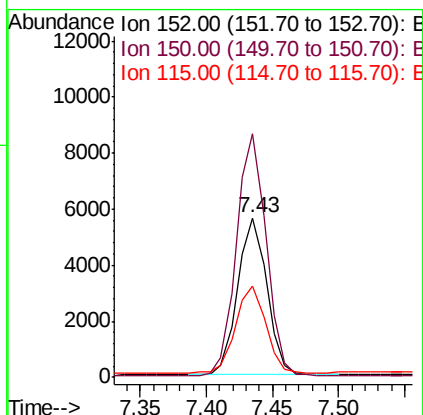
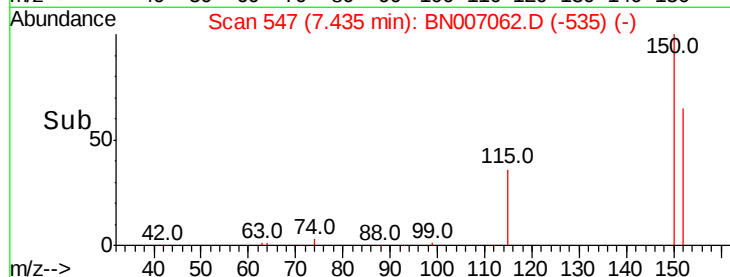
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 8663
Ion Ratio Lower Upper
152 100
150 152.5 121.7 182.5
115 57.0 46.2 69.4



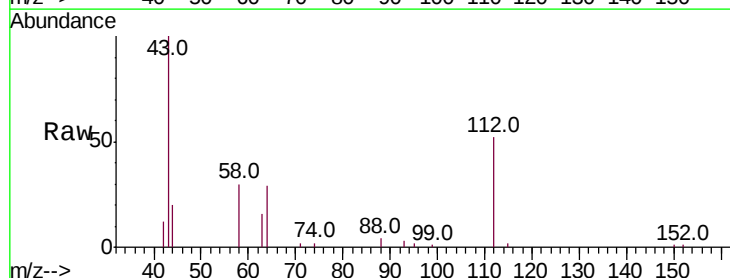
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



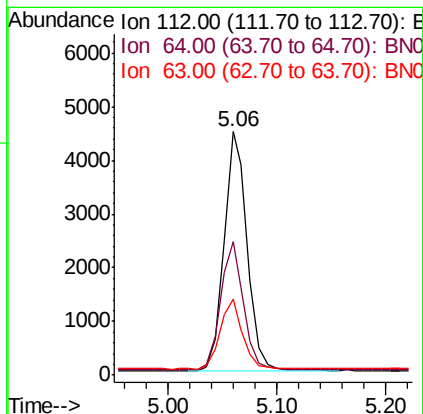
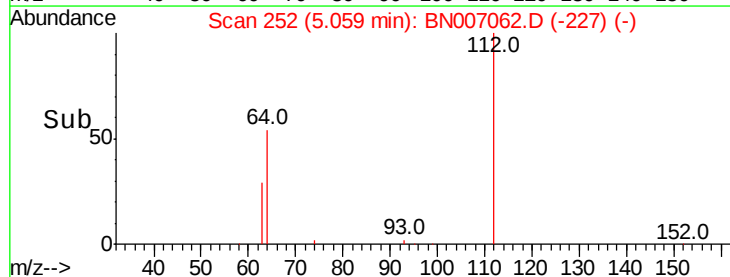
#3

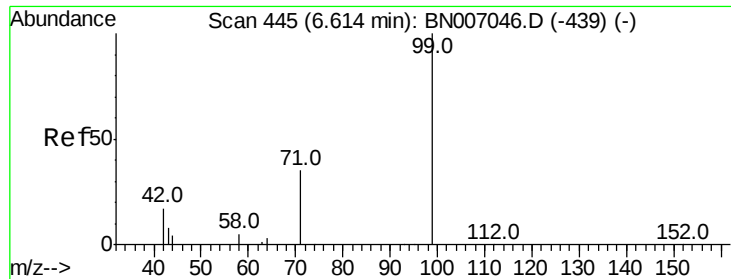
2-Fluorophenol
Concen: 0.321 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Tgt Ion:112 Resp: 6690
Ion Ratio Lower Upper
112 100
64 52.6 42.6 63.8
63 27.6 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#4

Phenol-d6

Concen: 0.313 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

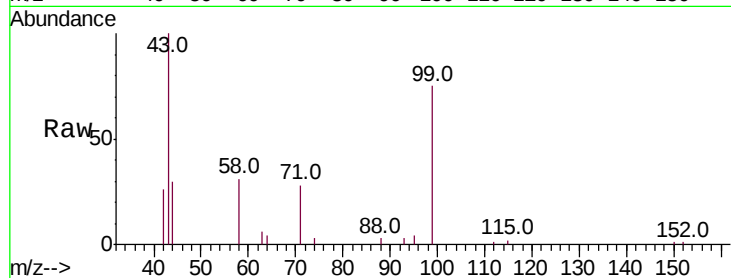
Tot Ion: 99 Resp: 8076

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

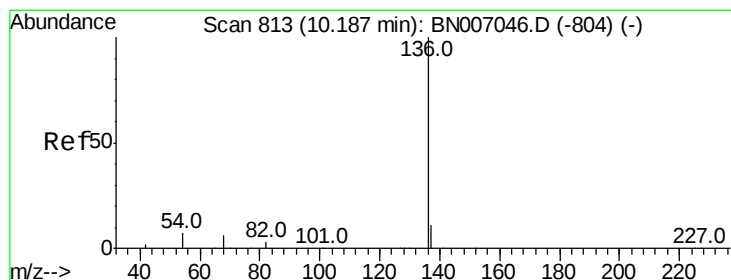
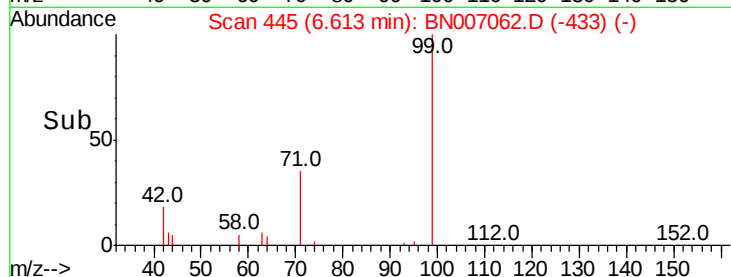
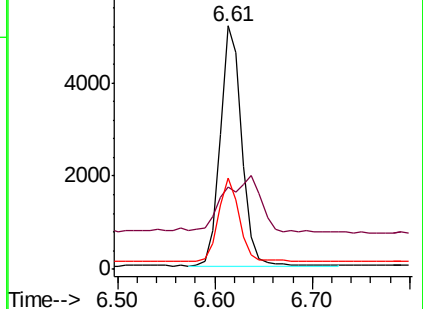
71 33.4 27.0 40.4



Abundance Ion 99.00 (98.70 to 99.70): BN007046.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007046.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007046.D (-439) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Tgt Ion: 136 Resp: 32452

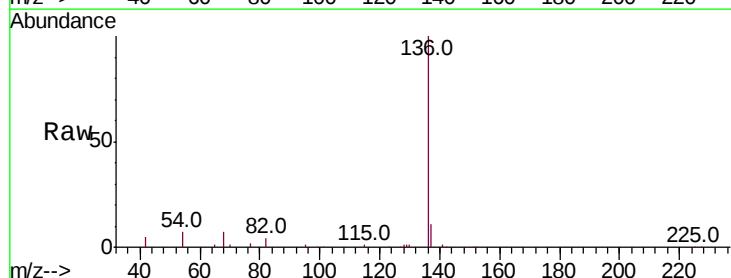
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 7.4 6.6 9.8

68 6.8 6.0 9.0

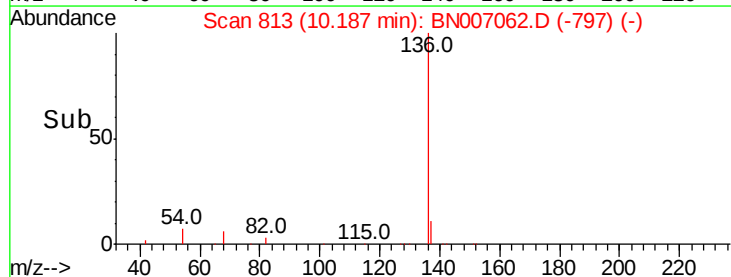
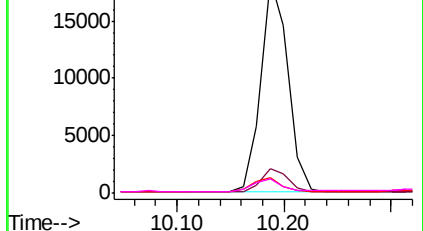


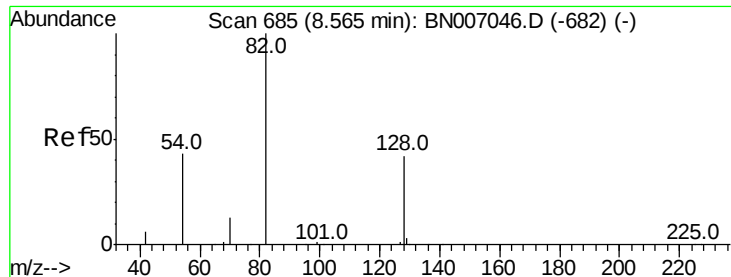
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

Ion 68.00 (67.70 to 68.70): BN007046.D (-804) (-)





#7

Nitrobenzene-d5

Concen: 0.217 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

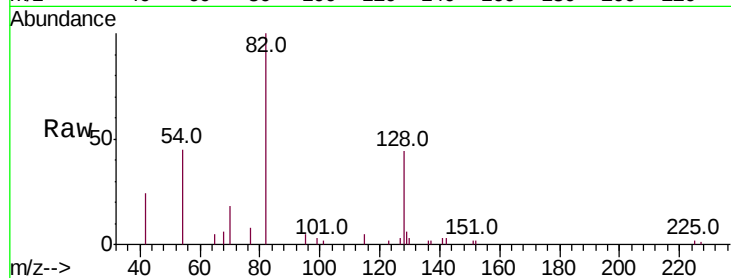
Tot Ion: 82 Resp: 5675

Ion Ratio Lower Upper

82 100

128 44.2 34.6 51.8

54 45.2 36.2 54.4



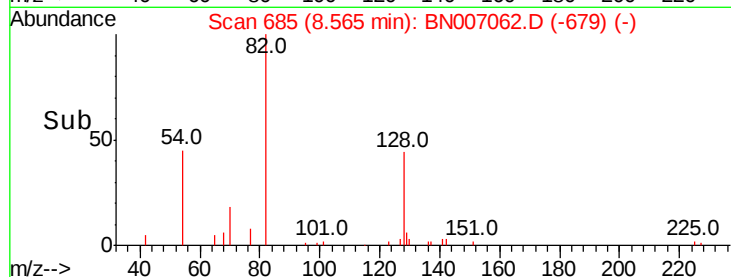
Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)

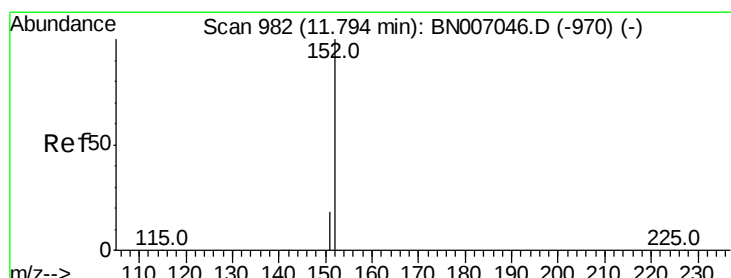
8.56

Time-->



8.56

Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.210 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007062.D

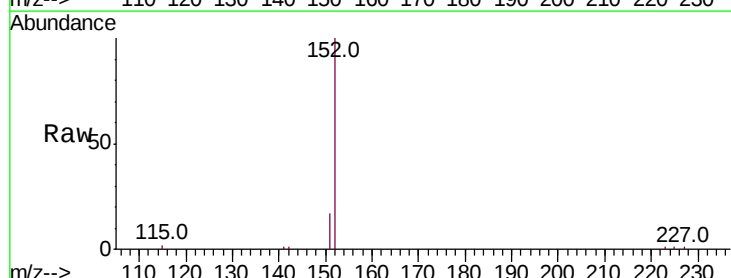
Acq: 10 Aug 2019 23:34

Tgt Ion: 152 Resp: 12691

Ion Ratio Lower Upper

152 100

151 19.5 15.5 23.3

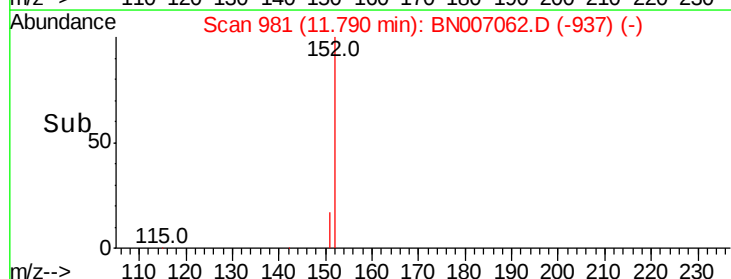


Abundance Ion 152.00 (151.70 to 152.70): BN007046.D (-970) (-)

Ion 151.00 (150.70 to 151.70): BN007046.D (-970) (-)

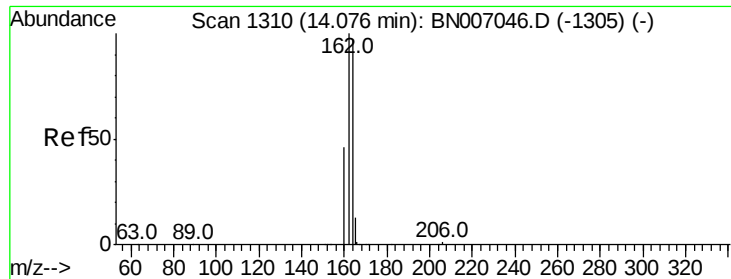
11.79

Time-->



11.79

Time-->



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

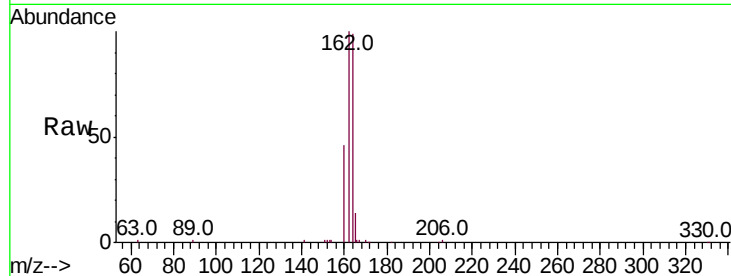
Tot Ion:164 Resp: 18444

Ion Ratio Lower Upper

164 100

162 100.9 82.2 123.4

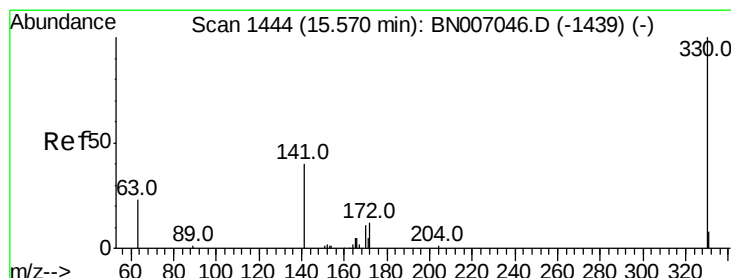
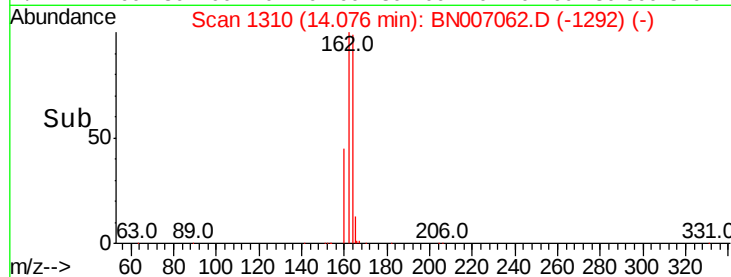
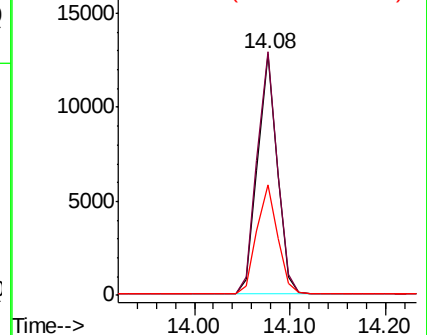
160 45.9 38.3 57.5



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



#13

2,4,6-Tribromophenol

Concen: 0.030 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

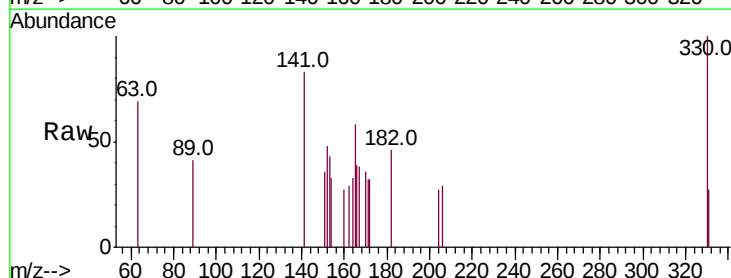
Tgt Ion:330 Resp: 299

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

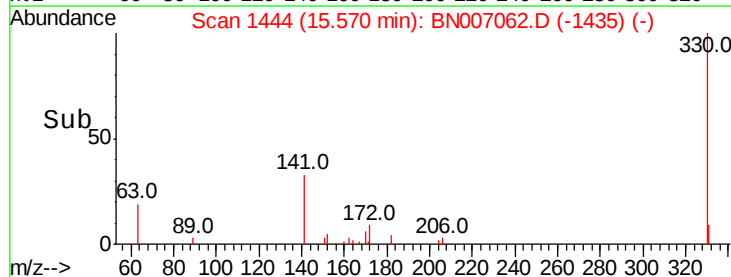
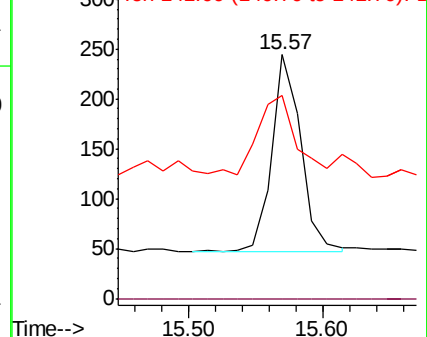
141 50.2 33.6 50.4

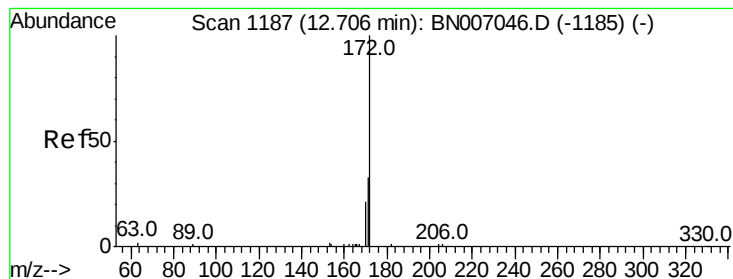


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 0.213 ng

RT: 12.71 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

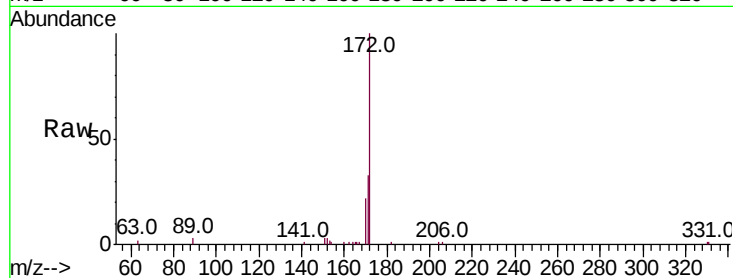
Instrument :

BNA_N

ClientSampleId :

Tot Ion:172 Resp: 5723

Ion	Ratio	Lower	Upper
172	100		
171	33.1	26.3	39.5
170	21.6	17.0	25.4

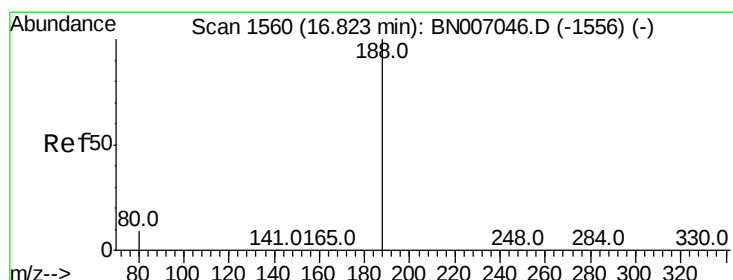
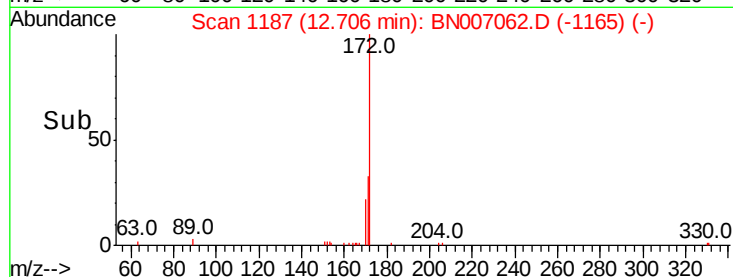
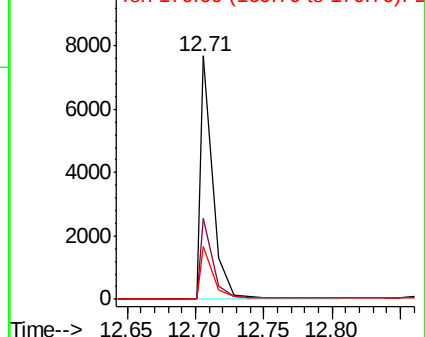


Abundance

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



#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

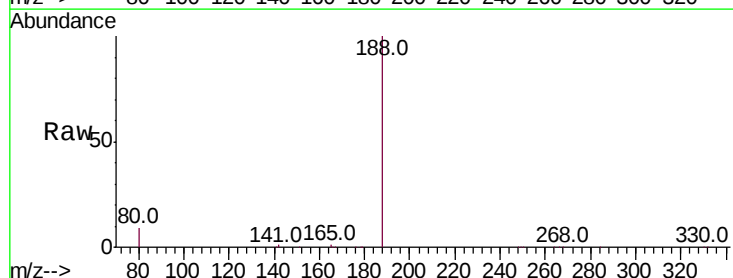
Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Tgt Ion:188 Resp: 45438

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.8	11.6

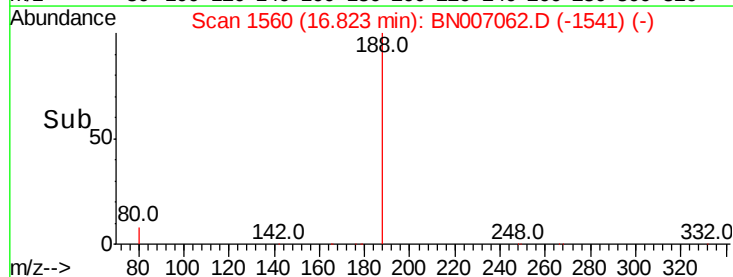
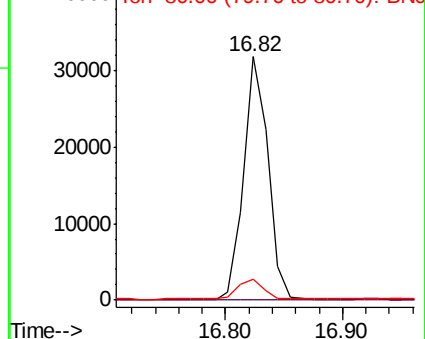


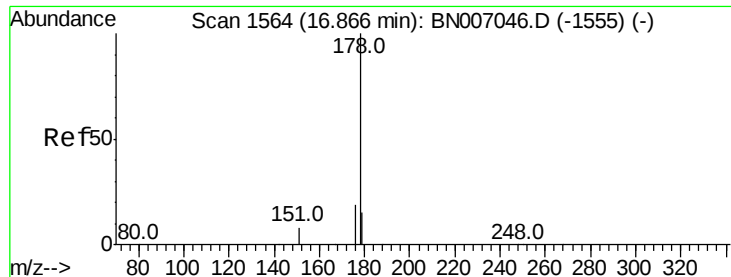
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#22

Phenanthrene

Concen: 0.050 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

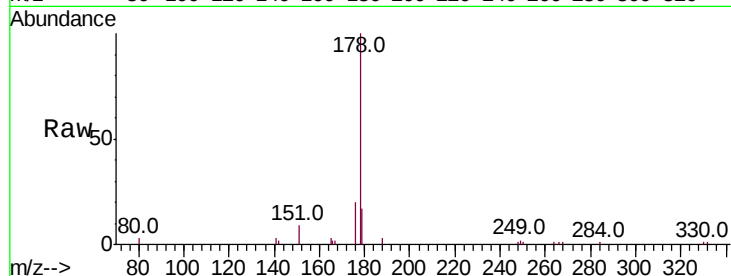
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 6836

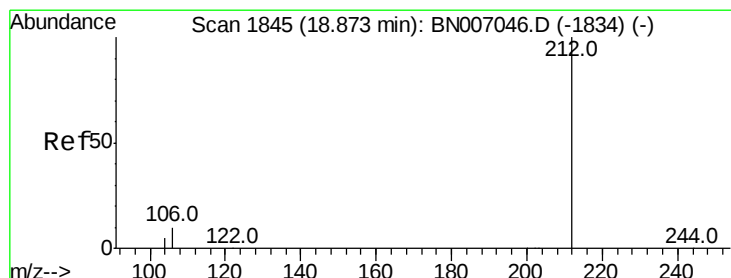
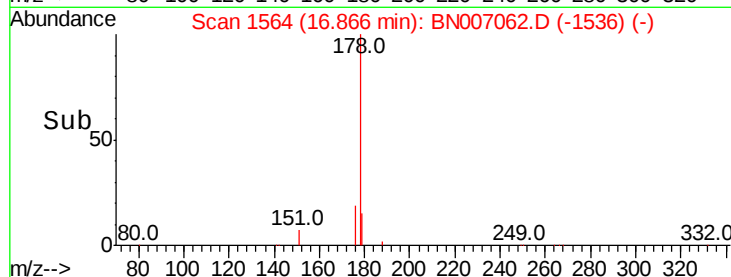
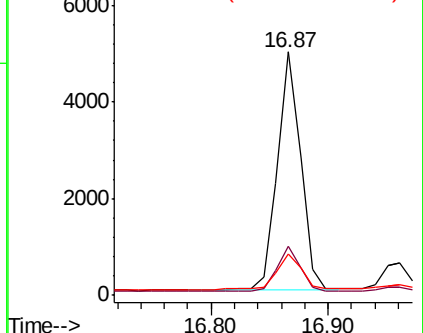
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	17.4	12.3	18.5



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



#24

Fluoranthene-d10

Concen: 0.197 ng

RT: 18.87 min Scan# 1844

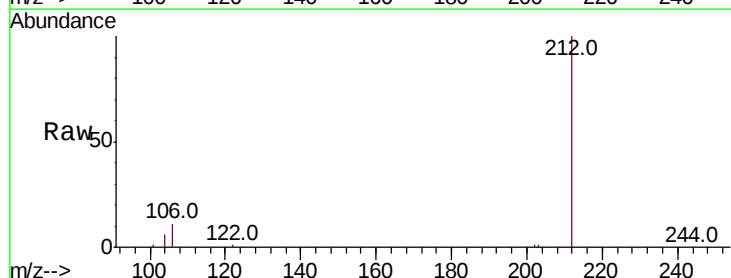
Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Tgt Ion:212 Resp: 31682

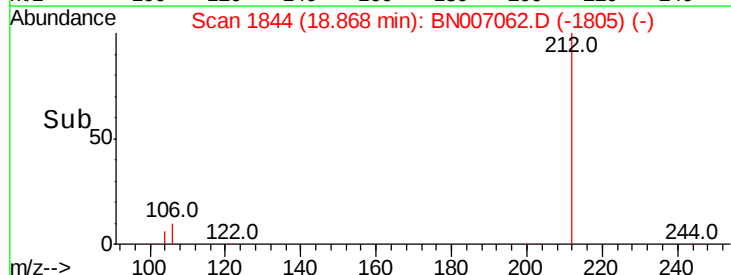
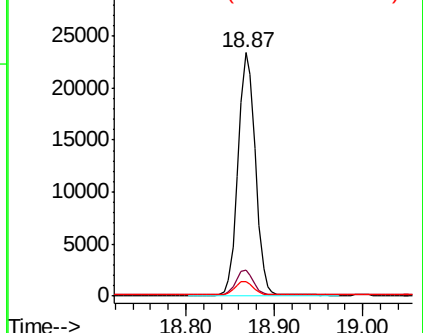
Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.8	4.5	6.7

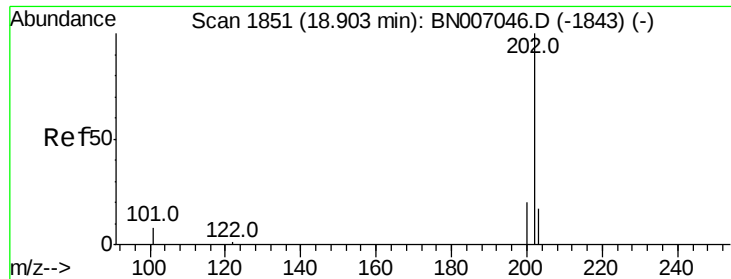


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.046 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

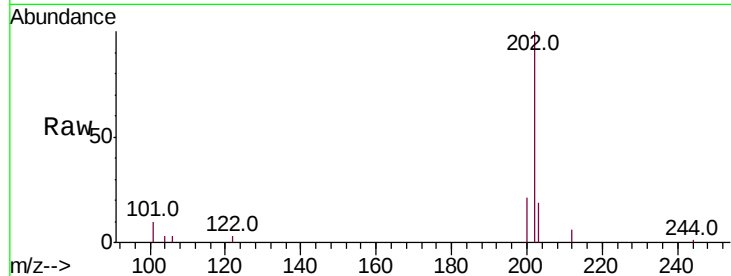
Tot Ion:202 Resp: 8055

Ion Ratio Lower Upper

202 100

101 9.0 7.0 10.4

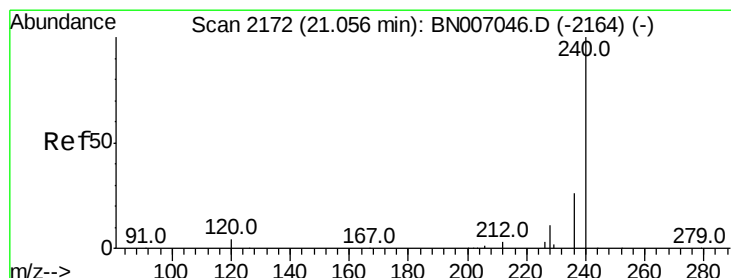
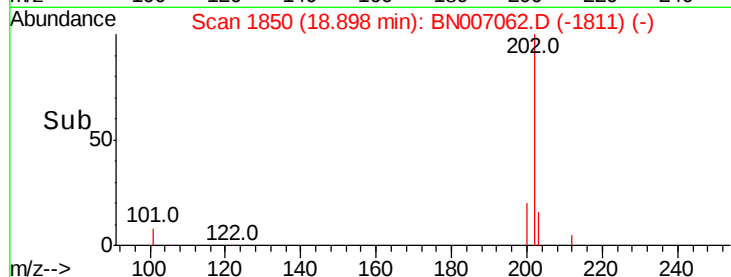
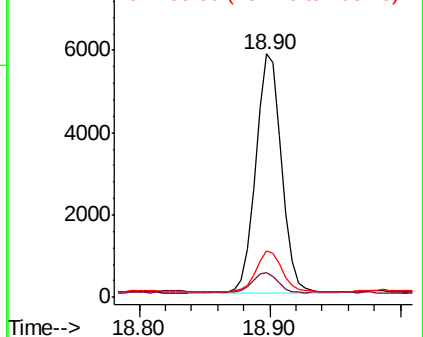
203 17.7 13.8 20.8



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.05 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

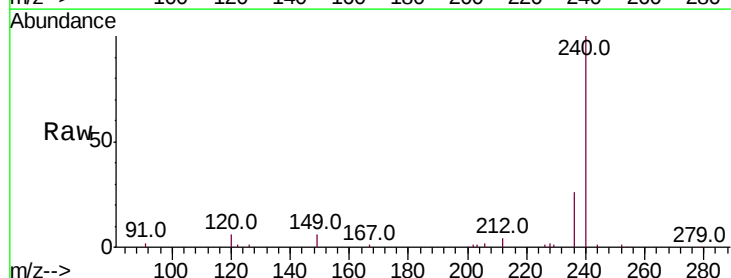
Tgt Ion:240 Resp: 47310

Ion Ratio Lower Upper

240 100

120 5.9 4.0 6.0

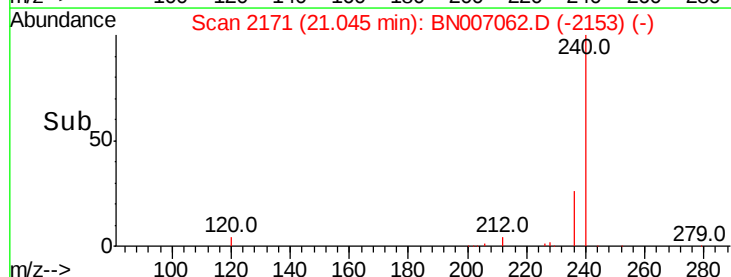
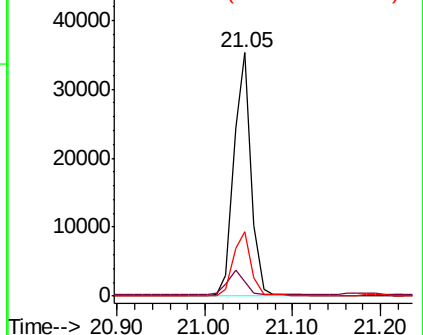
236 26.4 21.3 31.9

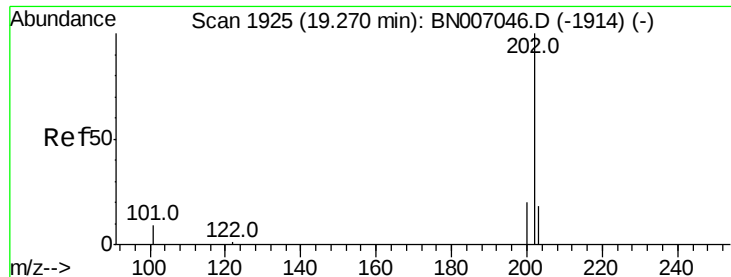


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

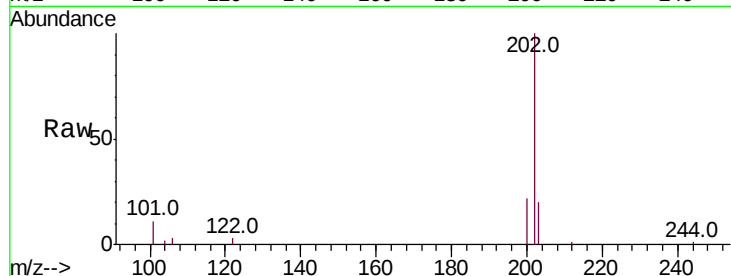




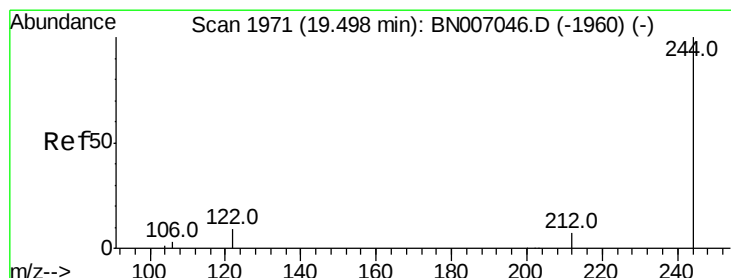
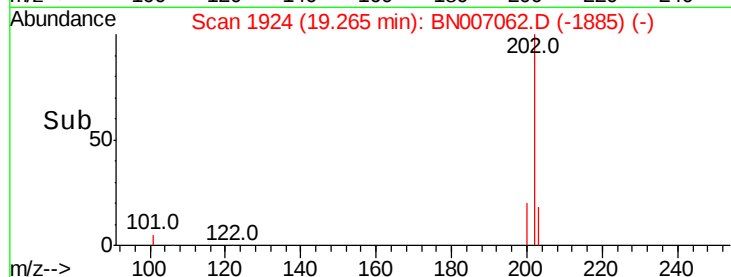
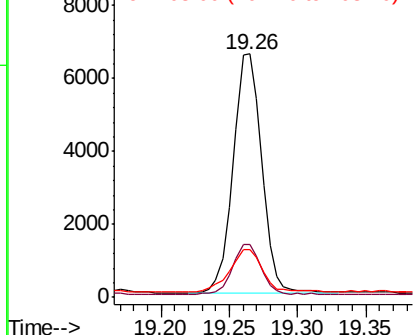
#27
Pvrene
Concen: 0.057 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 9502
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 20.6 14.0 21.0

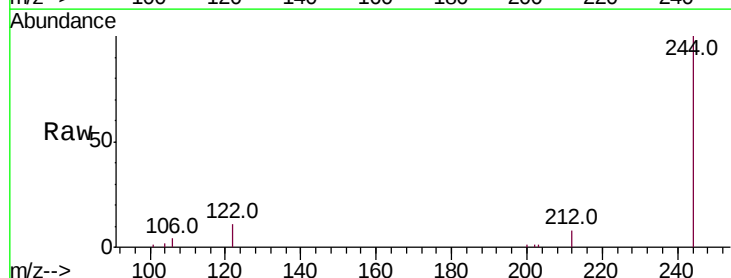


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

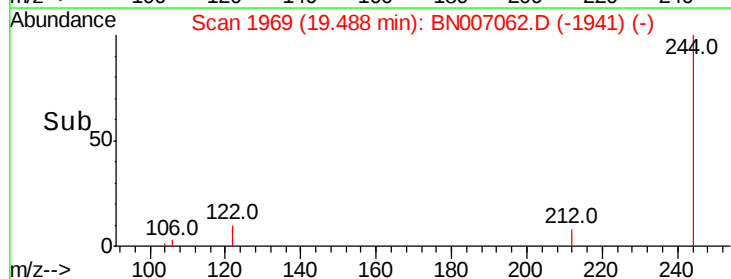
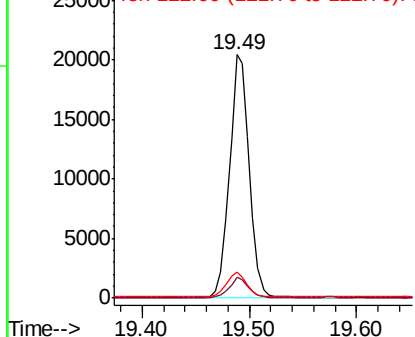


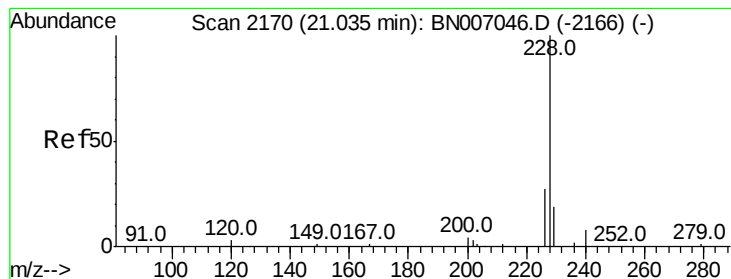
#28
Terphenyl-d14
Concen: 0.199 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Tgt Ion:244 Resp: 25715
Ion Ratio Lower Upper
244 100
212 8.3 6.2 9.2
122 10.8 7.4 11.2



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





#29

Benzo(a)anthracene

Concen: 0.025 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

Instrument :

BNA_N

ClientSampleId :

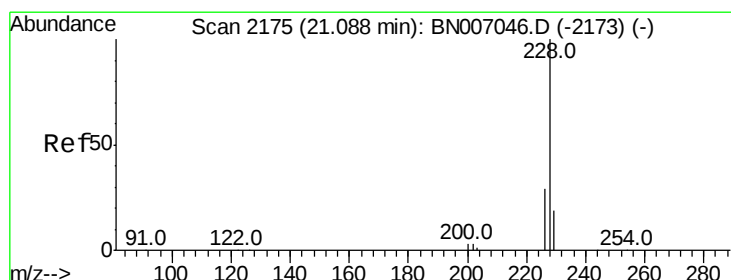
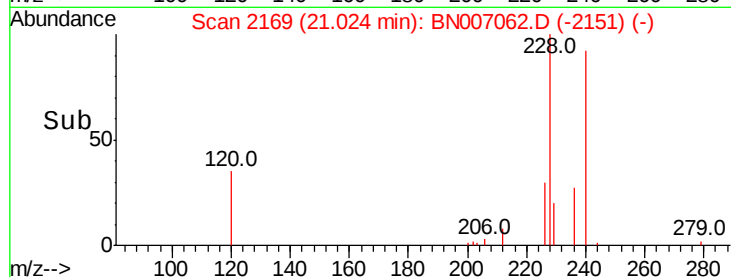
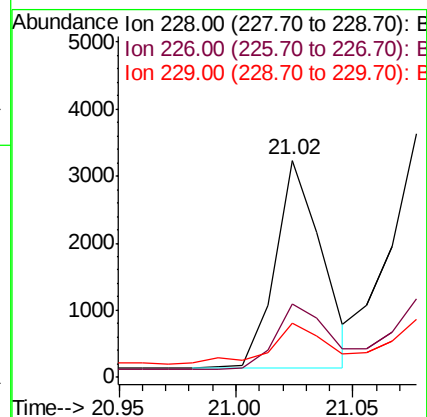
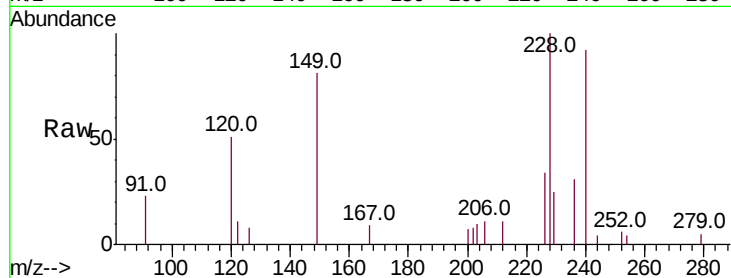
Tot Ion:228 Resp: 4317

Ion Ratio Lower Upper

228 100

226 33.7 21.8 32.6#

229 24.7 15.6 23.4#



#30

Chrysene

Concen: 0.031 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007062.D

Acq: 10 Aug 2019 23:34

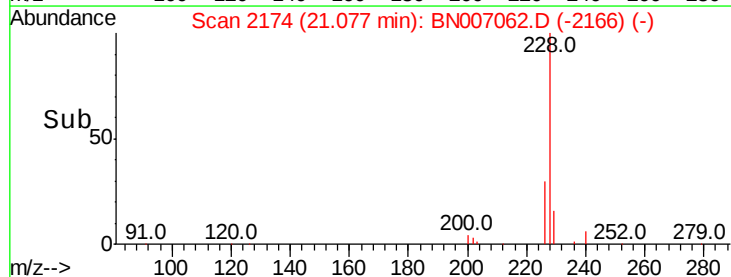
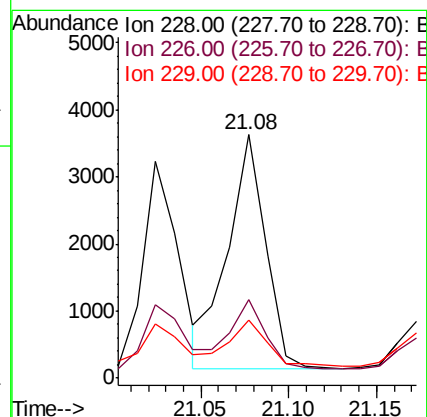
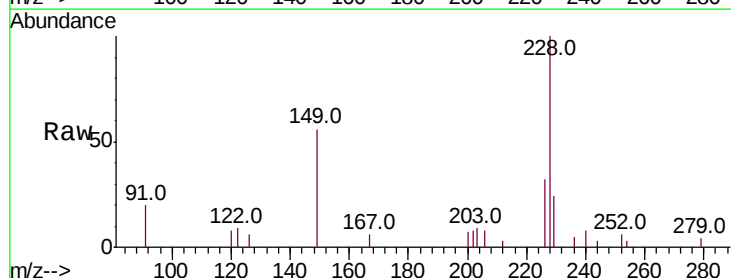
Tgt Ion:228 Resp: 5162

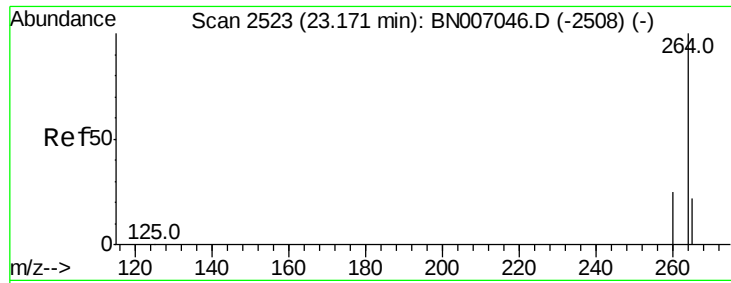
Ion Ratio Lower Upper

228 100

226 32.3 23.8 35.6

229 23.7 15.7 23.5#

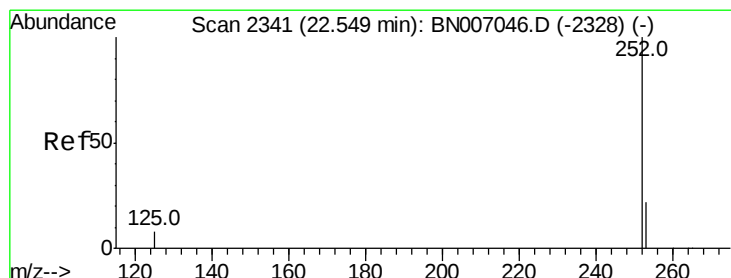
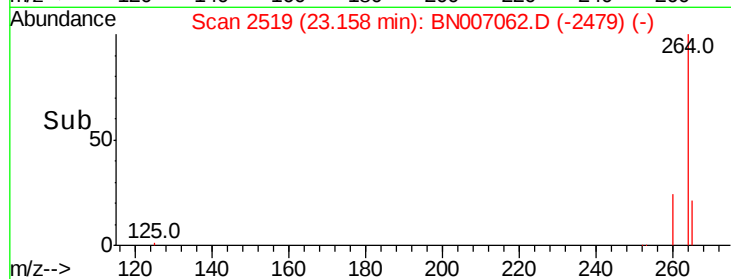
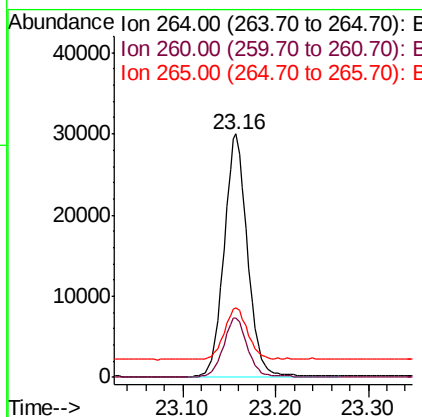
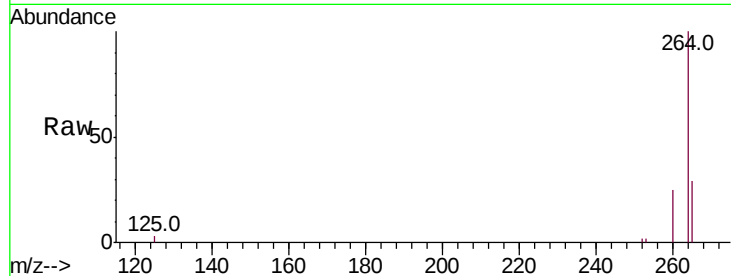




#32
Pervlene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

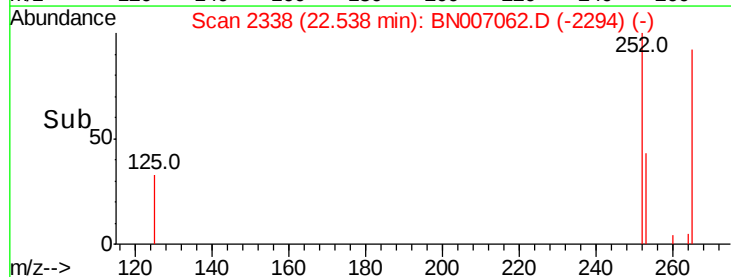
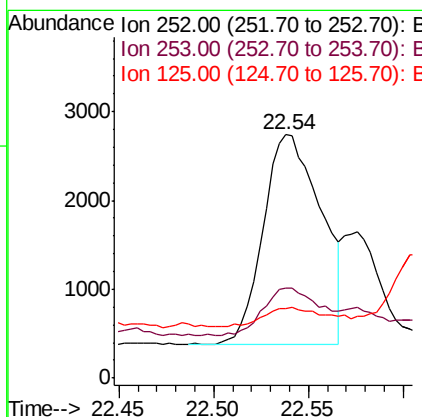
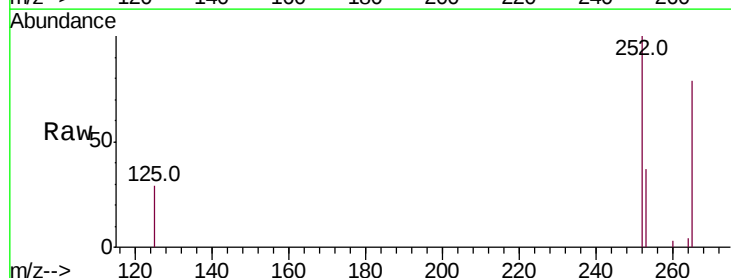
Instrument :
BNA_N
ClientSampled :

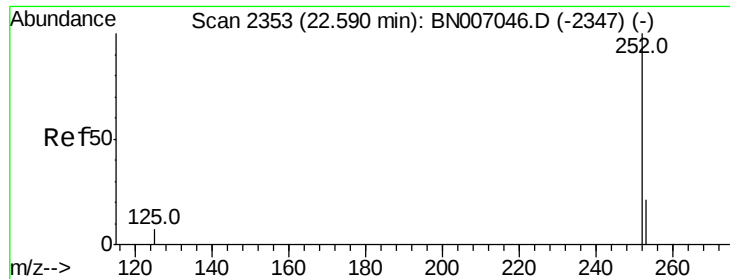
Tot Ion:264 Resp: 52665
Ion Ratio Lower Upper
264 100
260 24.6 19.8 29.8
265 28.6 26.2 39.4



#33
Benzo(b)fluoranthene
Concen: 0.028 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Tgt Ion:252 Resp: 5051
Ion Ratio Lower Upper
252 100
253 36.9 18.2 27.2#
125 28.6 7.4 11.0#

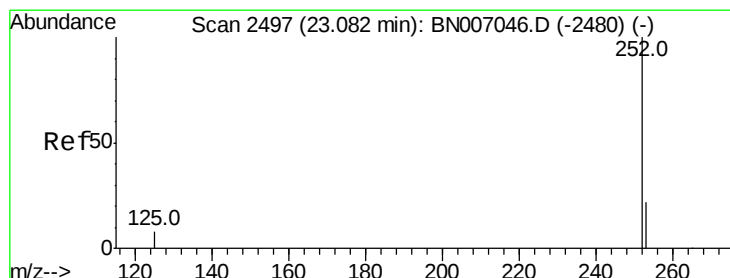
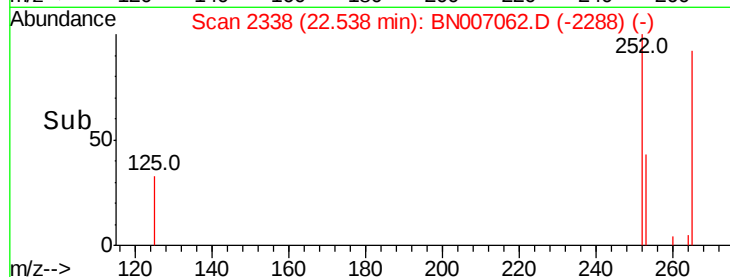
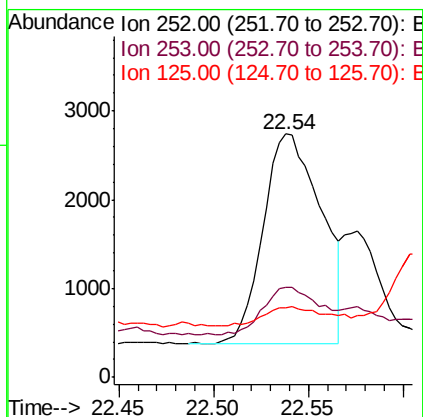
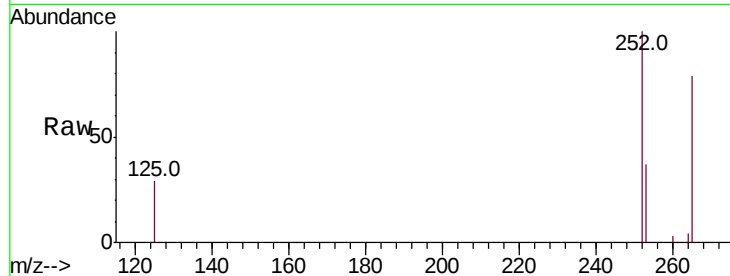




#34
Benzo(k)fluoranthene
Concen: 0.028 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.05 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 5051
Ion Ratio Lower Upper
252 100
253 36.9 18.1 27.1#
125 28.6 7.4 11.0#



#35
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007062.D
Acq: 10 Aug 2019 23:34

Tgt Ion:252 Resp: 3499
Ion Ratio Lower Upper
252 100
253 39.3 18.5 27.7#
125 30.8 8.2 12.4#

