

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007059.D
 Acq On : 10 Aug 2019 21:46
 Operator : HP/JU
 Sample : K4143-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 11 04:37:10 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	9166	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	34356	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	20027	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	50352	0.40	ng	0.00
26) Chrysene-d12	21.05	240	53138	0.40	ng	-0.01
32) Perylene-d12	23.16	264	57427	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	5259	0.24	ng	0.00
4) Phenol-d6	6.61	99	7047	0.26	ng	0.00
7) Nitrobenzene-d5	8.56	82	5376	0.19	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12844	0.20	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1223	0.11	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5321	0.18	ng	0.00
24) Fluoranthene-d10	18.87	212	34686	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	29021	0.20	ng	-0.01

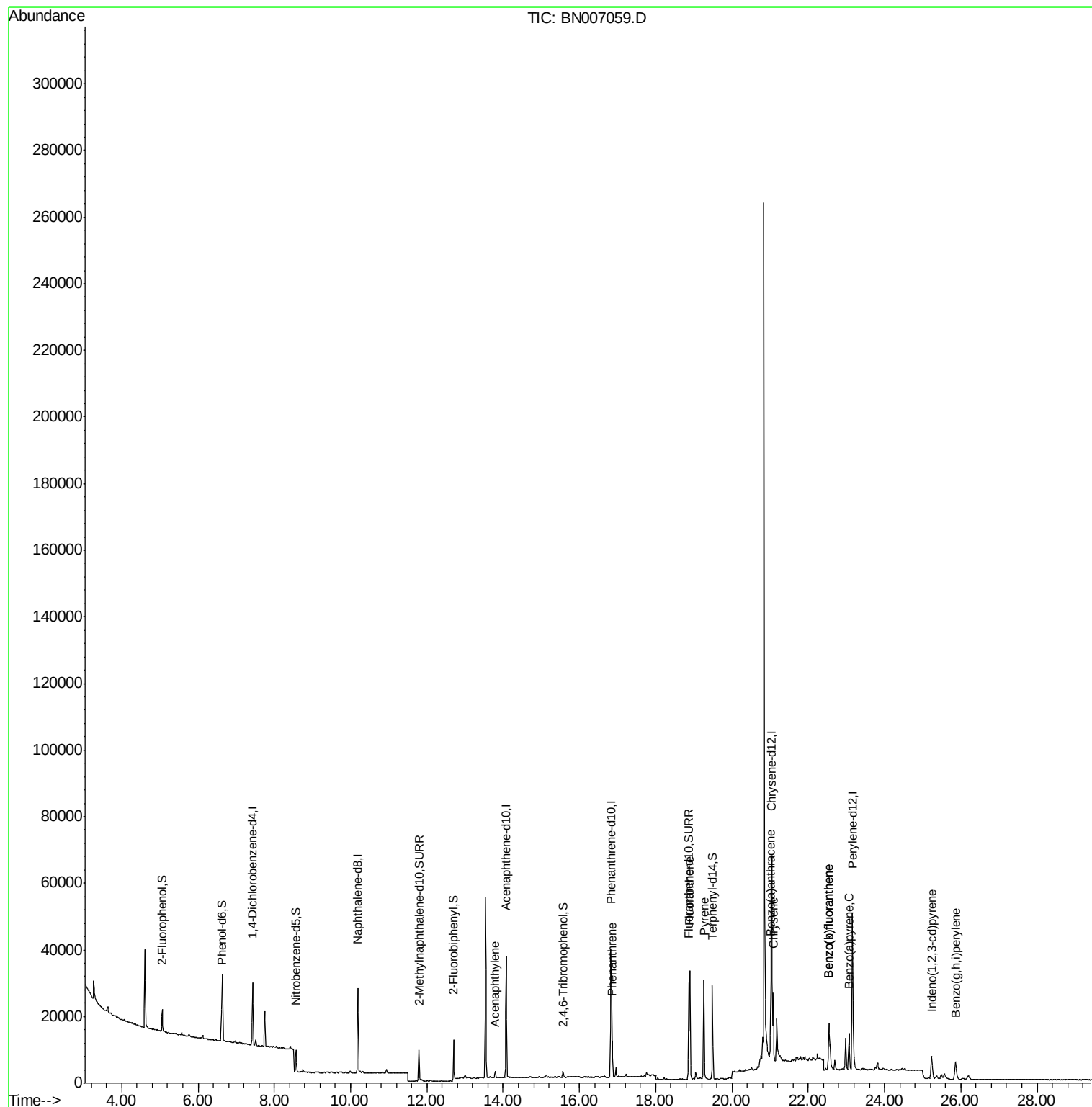
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	2658	0.025	ng	96
22) Phenanthrene	16.87	178	10589	0.070	ng	99
25) Fluoranthene	18.90	202	29779	0.154	ng	100
27) Pyrene	19.26	202	26696	0.143	ng	96
29) Benzo(a)anthracene	21.02	228	17136	0.088	ng	92
30) Chrysene	21.08	228	17958	0.095	ng	96
31) Indeno(1,2,3-cd)pyrene	25.24	276	10788	0.052	ng	97
33) Benzo(b)fluoranthene	22.54	252	23705	0.120	ng	# 93
34) Benzo(k)fluoranthene	22.54	252	23705	0.122	ng	# 93
35) Benzo(a)pyrene	23.07	252	14973	0.084	ng	# 91
37) Benzo(a,h,i)perylene	25.86	276	11043	0.060	ng	# 91

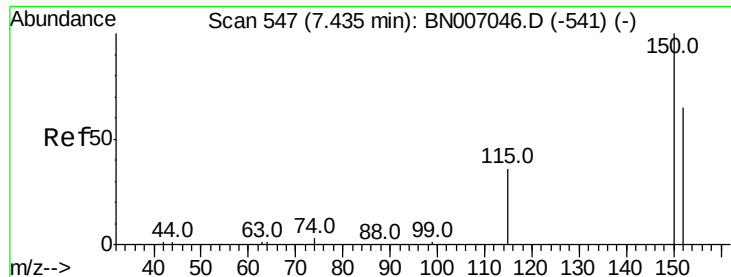
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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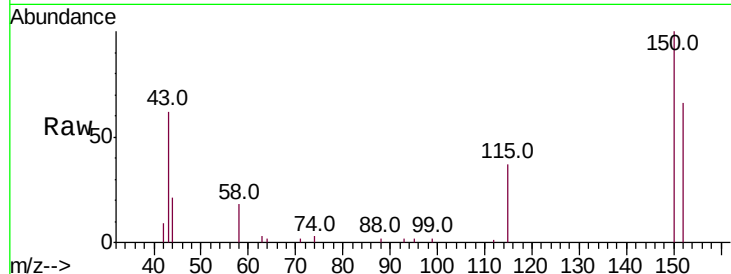


#1

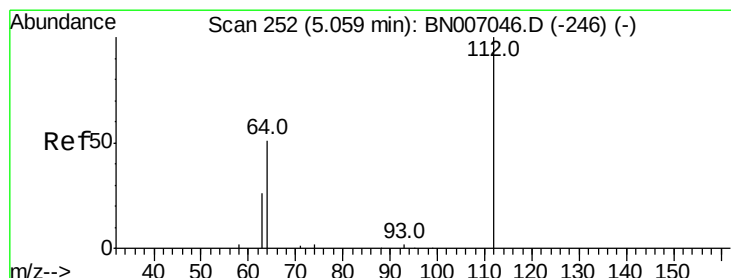
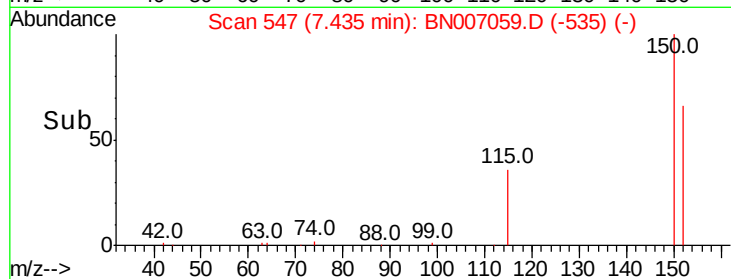
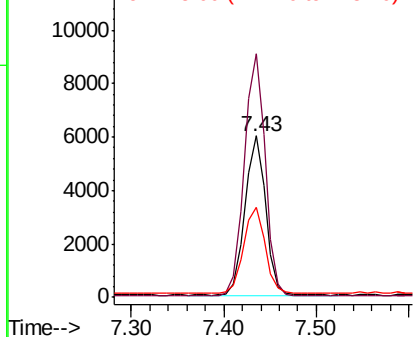
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9166
Ion Ratio Lower Upper
152 100
150 151.1 121.7 182.5
115 56.1 46.2 69.4



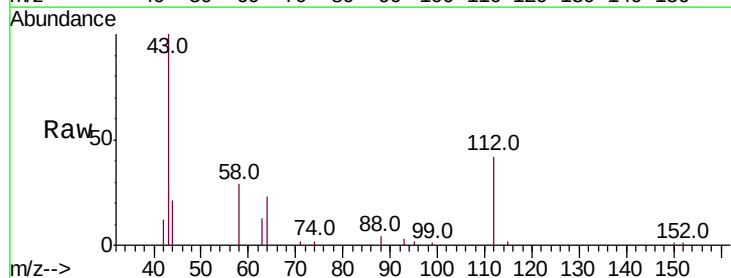
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



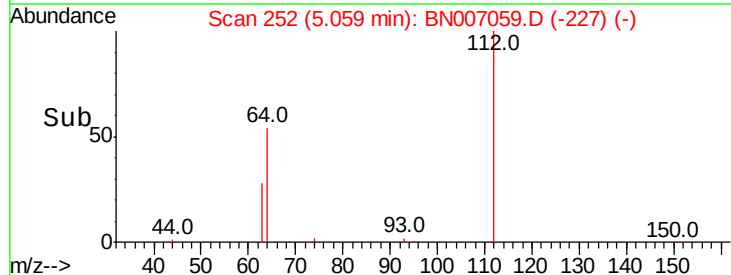
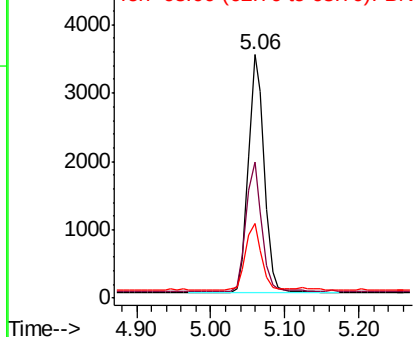
#3

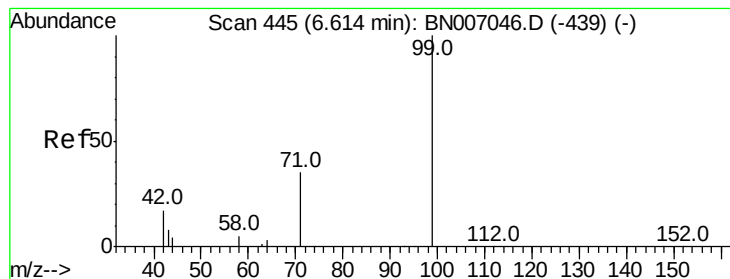
2-Fluorophenol
Concen: 0.239 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Tgt Ion:112 Resp: 5259
Ion Ratio Lower Upper
112 100
64 53.0 42.6 63.8
63 27.4 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: 0.258 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :

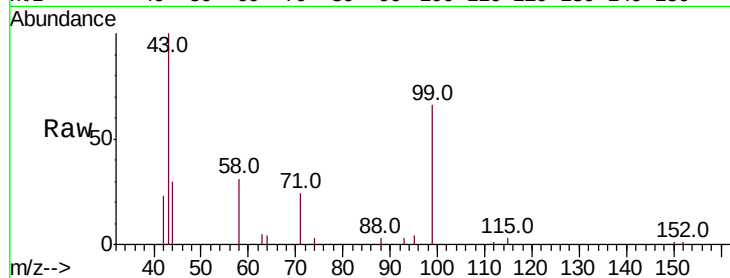
Tot Ion: 99 Resp: 7047

Ion Ratio Lower Upper

99 100

42 17.4 15.8 23.6

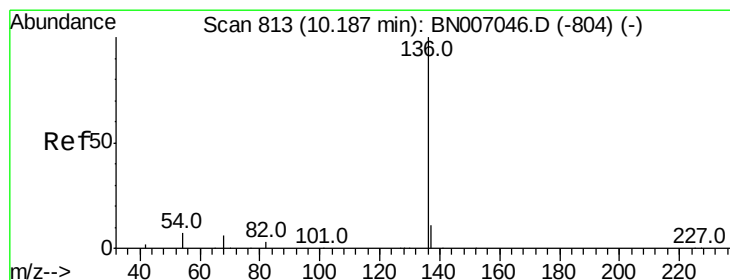
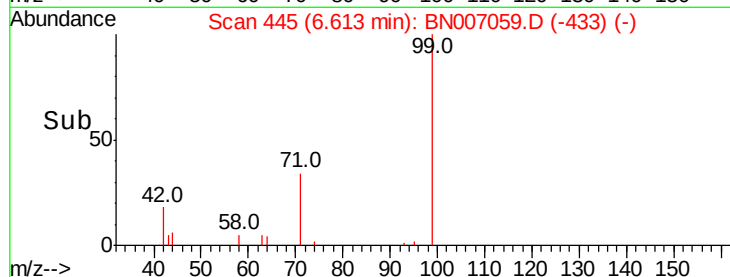
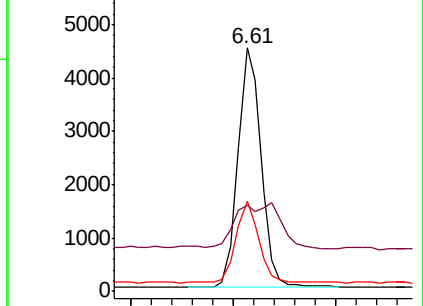
71 33.9 27.0 40.4



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: BN007059.D

Acq: 10 Aug 2019 21:46

Tgt Ion: 136 Resp: 34356

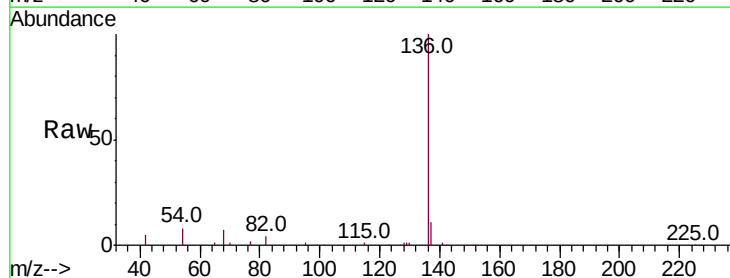
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 7.6 6.6 9.8

68 6.7 6.0 9.0

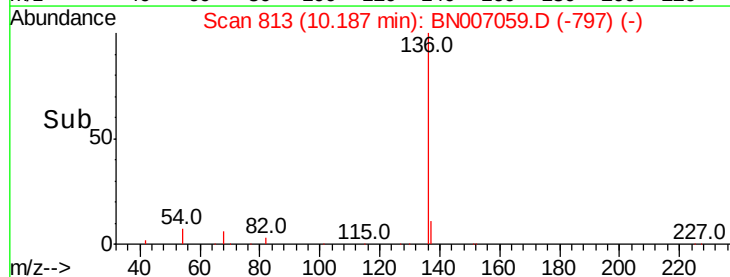
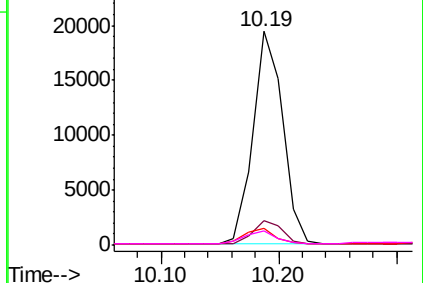


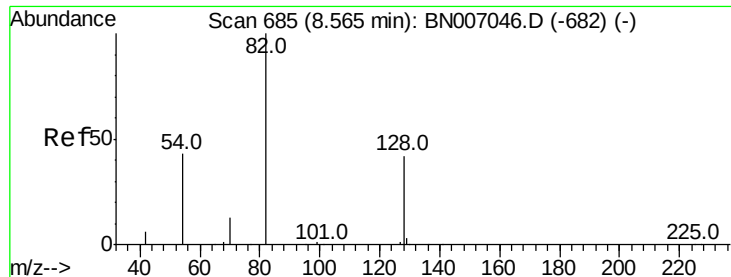
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

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: 0.194 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :

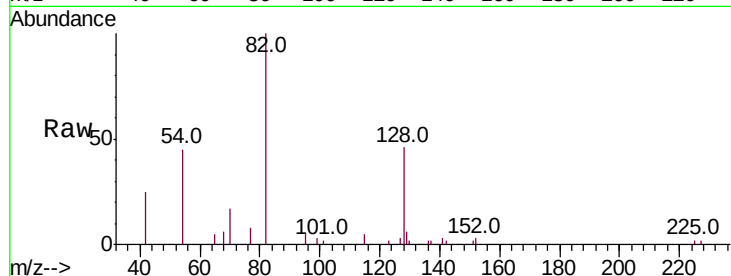
Tot Ion: 82 Resp: 5376

Ion Ratio Lower Upper

82 100

128 45.8 34.6 51.8

54 45.0 36.2 54.4



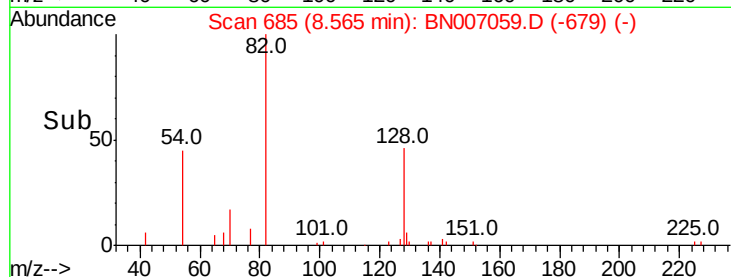
Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

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

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

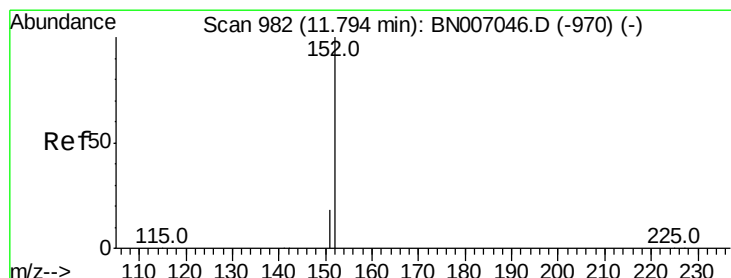
8.56

Time-->



8.56

Time-->



#10

2-Methylnaphthalene-d10

Concen: 0.200 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007059.D

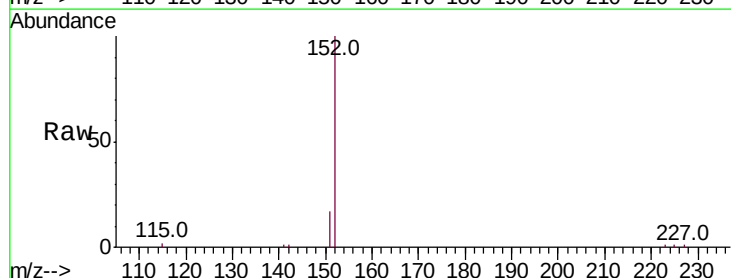
Acq: 10 Aug 2019 21:46

Tgt Ion: 152 Resp: 12844

Ion Ratio Lower Upper

152 100

151 19.1 15.5 23.3

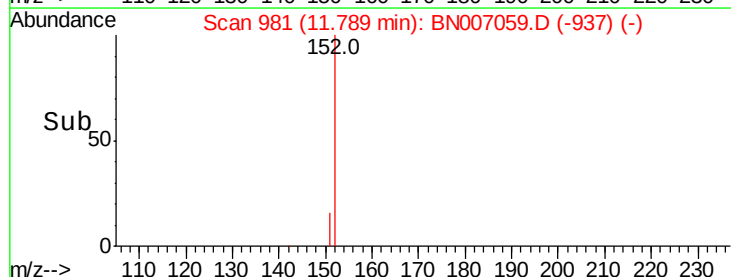


Abundance Ion 152.00 (151.70 to 152.70): BN007046.D (-970) (-)

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

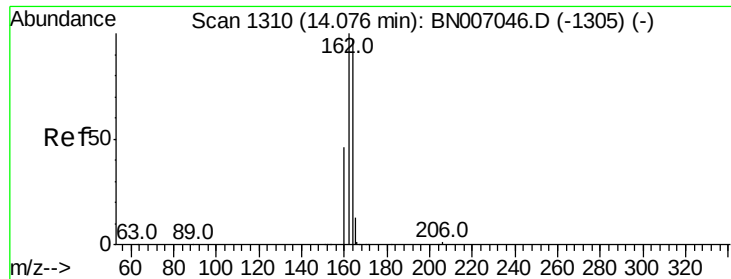
11.79

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: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :

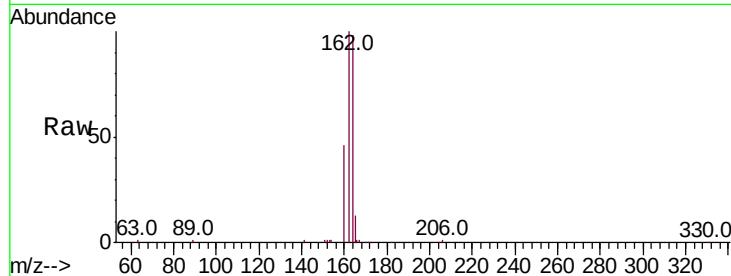
Tot Ion:164 Resp: 20027

Ion Ratio Lower Upper

164 100

162 102.1 82.2 123.4

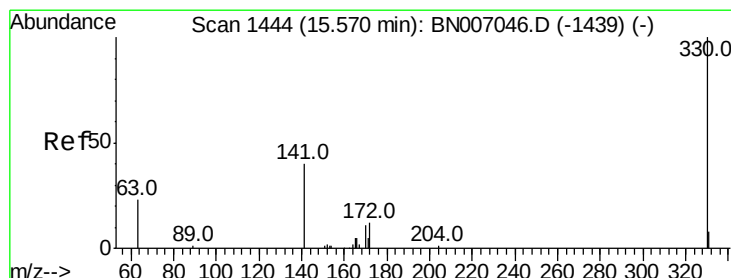
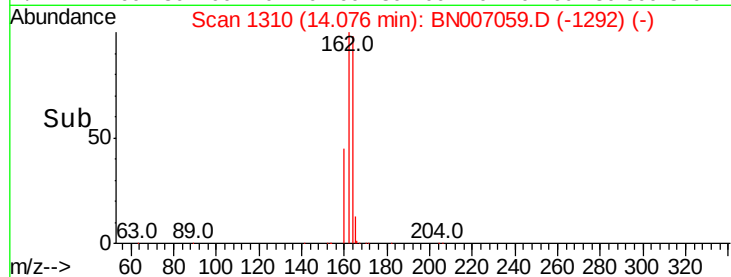
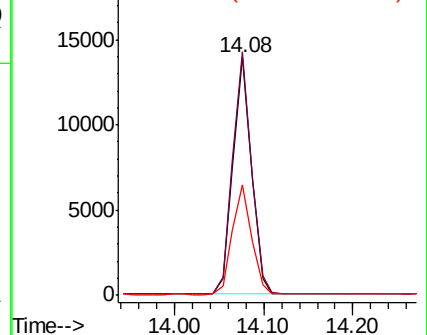
160 46.5 38.3 57.5



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: 0.113 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

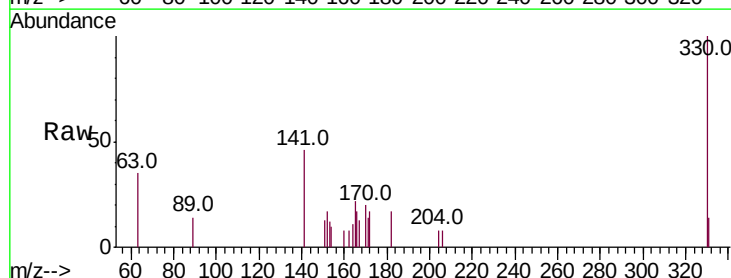
Tgt Ion:330 Resp: 1223

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

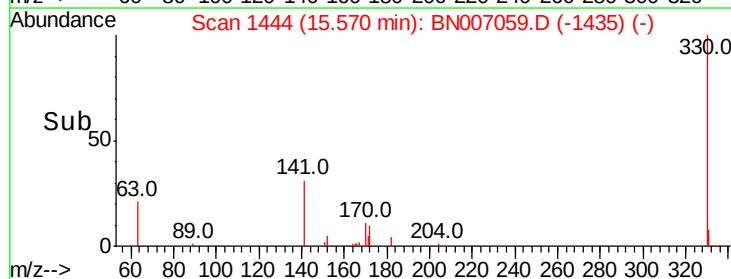
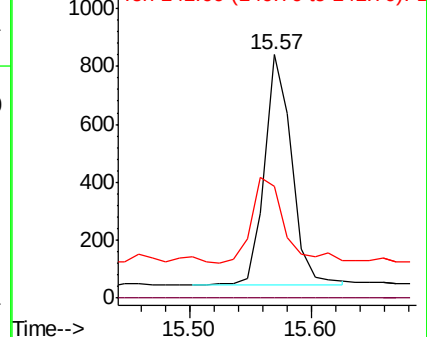
141 45.1 33.6 50.4

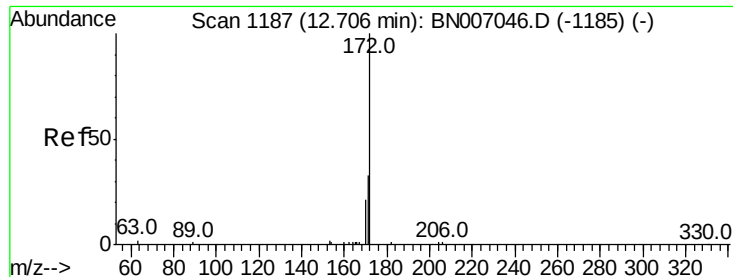


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

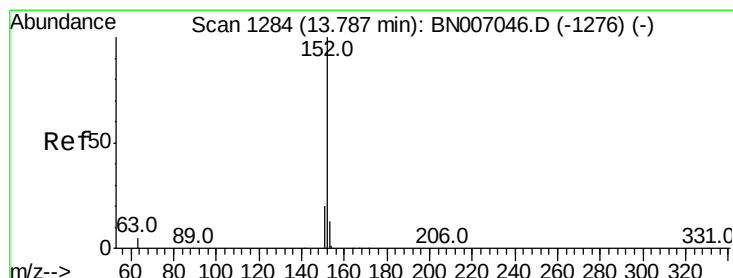
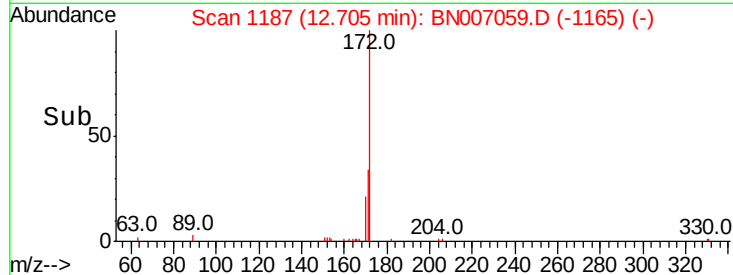
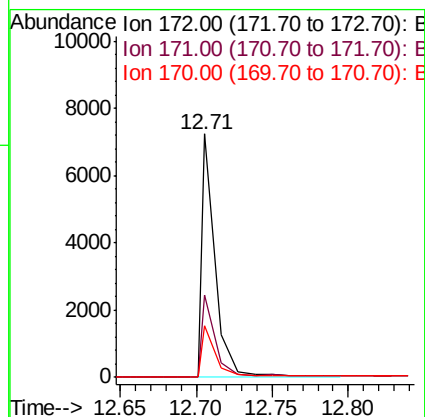
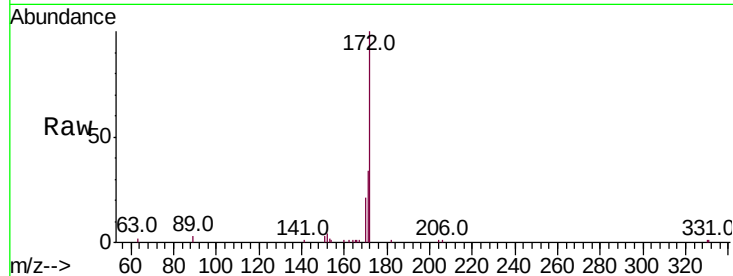




#14
2-Fluorobiphenyl
Concen: 0.183 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

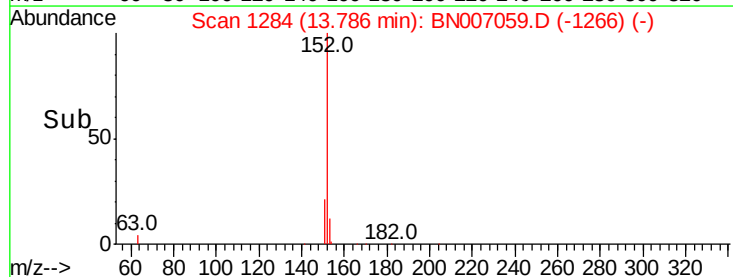
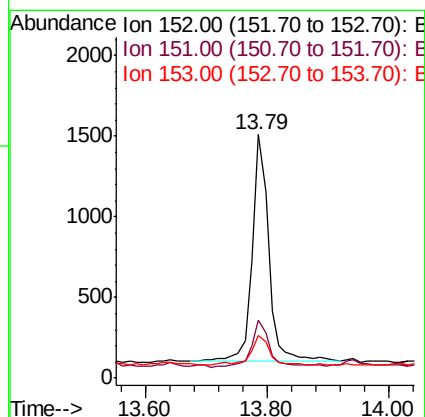
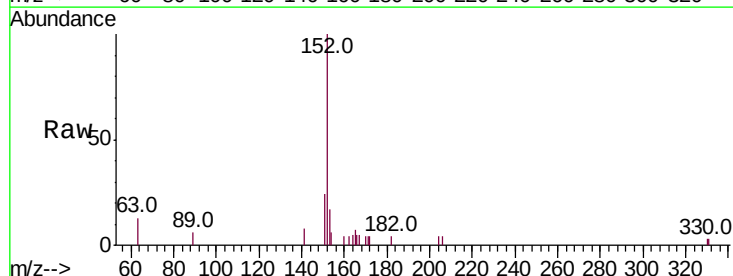
Instrument :
BNA_N
ClientSampleId :

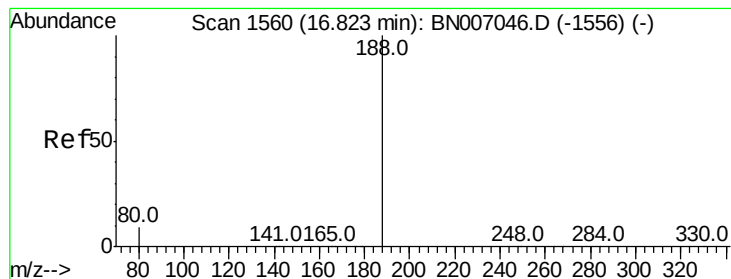
Tot Ion:172 Resp: 5321
Ion Ratio Lower Upper
172 100
171 33.6 26.3 39.5
170 21.0 17.0 25.4



#15
Acenaphthylene
Concen: 0.025 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Tgt Ion:152 Resp: 2658
Ion Ratio Lower Upper
152 100
151 21.2 15.8 23.6
153 15.3 10.4 15.6





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :

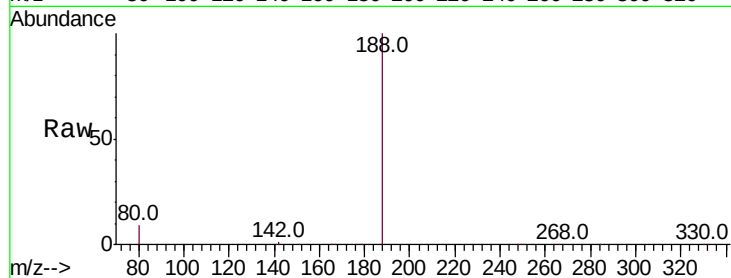
Tot Ion:188 Resp: 50352

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

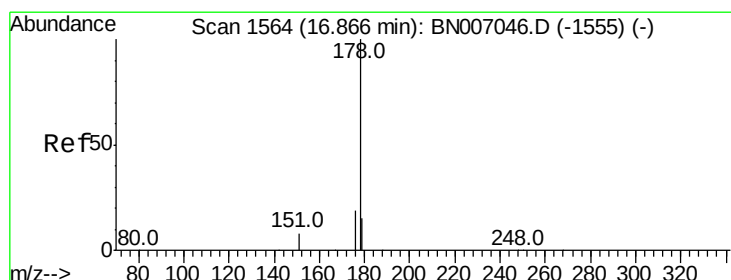
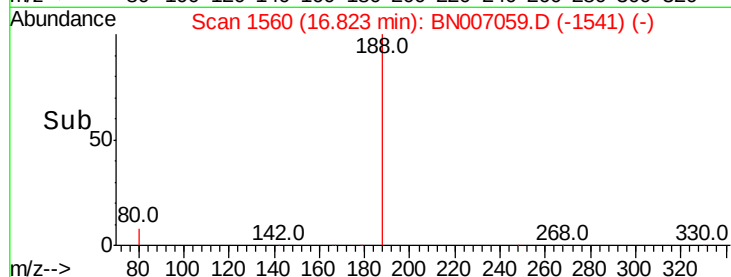
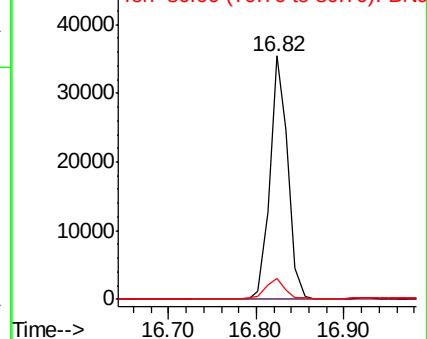
80 8.8 7.8 11.6



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: 0.070 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

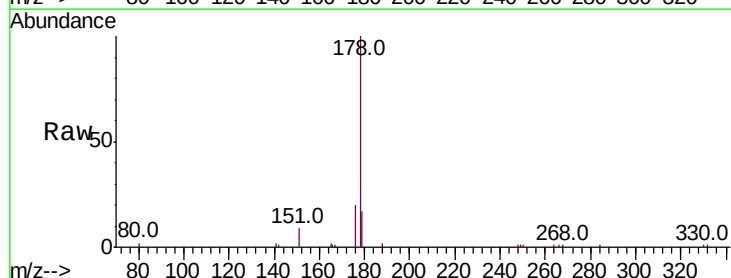
Tgt Ion:178 Resp: 10589

Ion Ratio Lower Upper

178 100

176 18.8 15.2 22.8

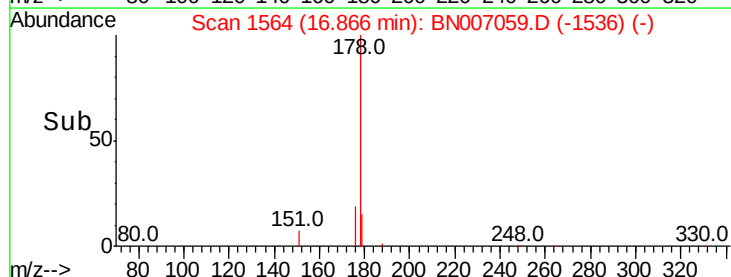
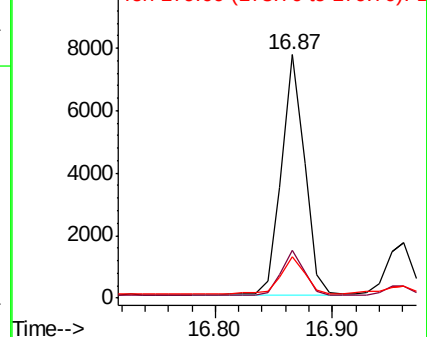
179 16.5 12.3 18.5

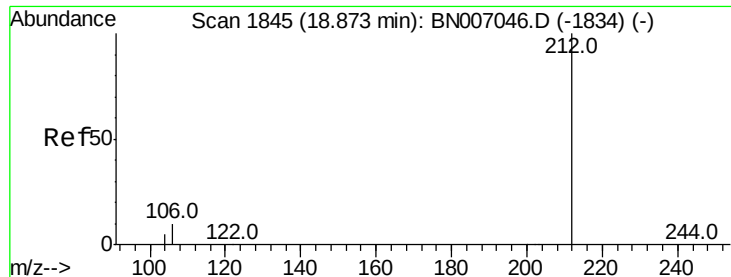


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

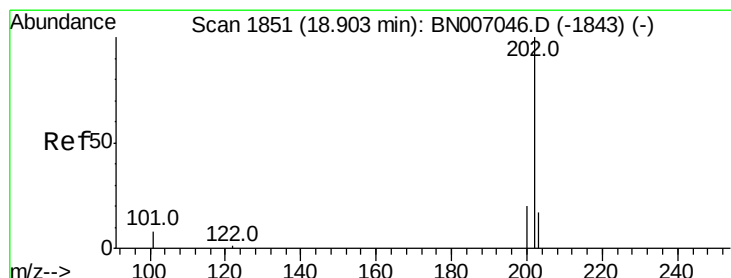
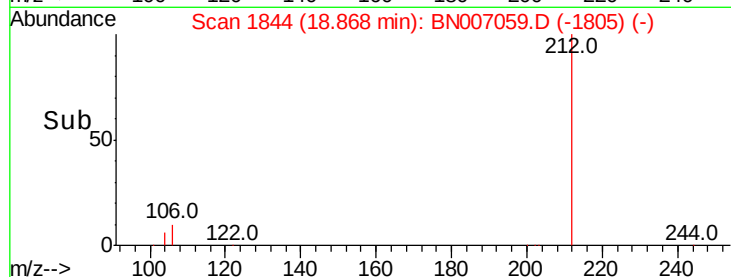
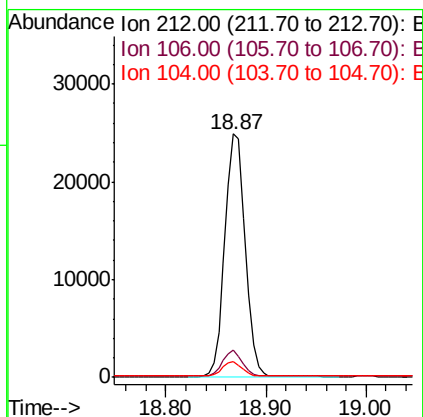
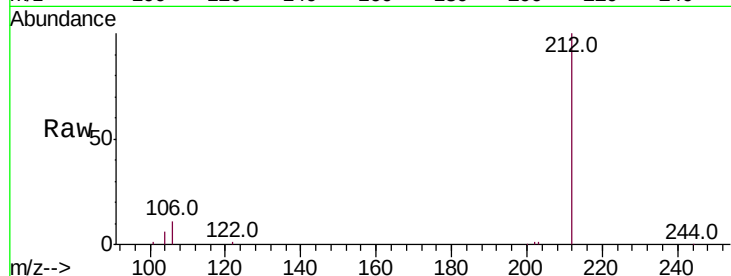




#24
 Fluoranthene-d10
 Concen: 0.194 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007059.D
 Acq: 10 Aug 2019 21:46

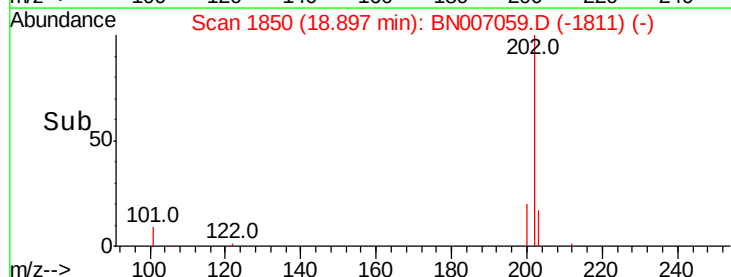
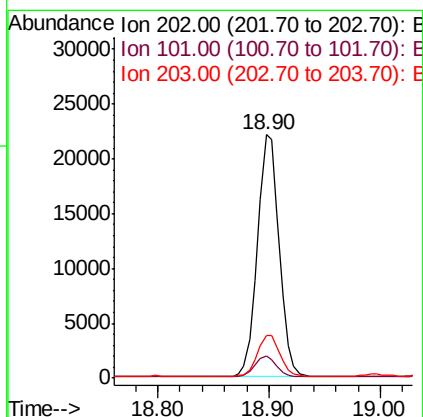
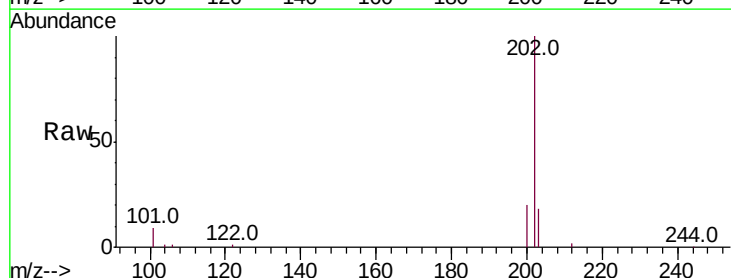
Instrument :
 BNA_N
 ClientSampleId :

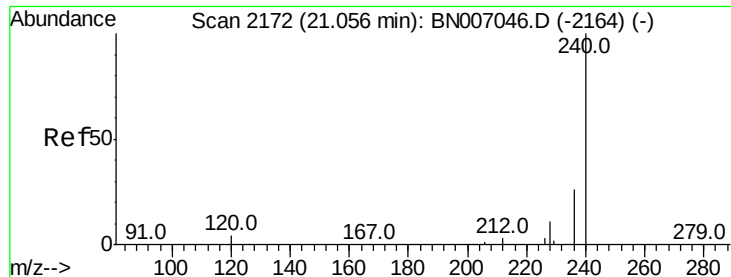
Tot Ion:212 Resp: 34686
 Ion Ratio Lower Upper
 212 100
 106 10.1 8.2 12.2
 104 5.7 4.5 6.7



#25
 Fluoranthene
 Concen: 0.154 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007059.D
 Acq: 10 Aug 2019 21:46

Tgt Ion:202 Resp: 29779
 Ion Ratio Lower Upper
 202 100
 101 8.6 7.0 10.4
 203 17.3 13.8 20.8

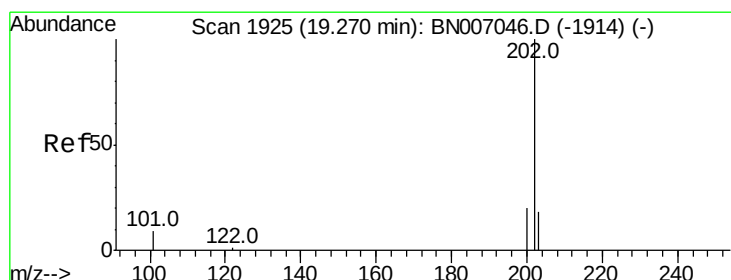
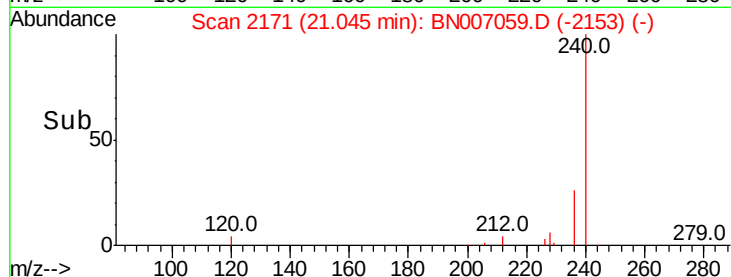
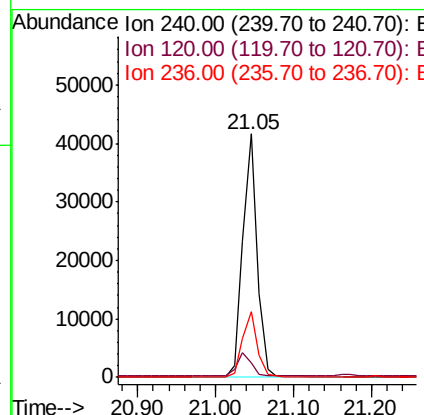
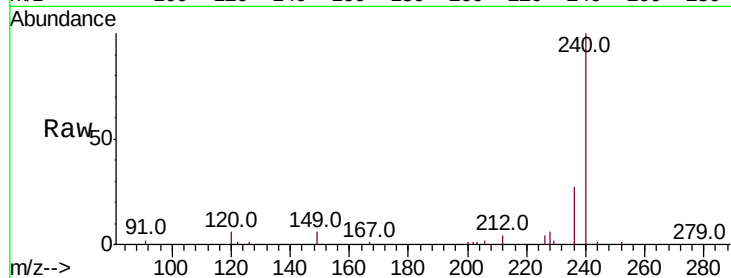




#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.05 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007059.D
 Acq: 10 Aug 2019 21:46

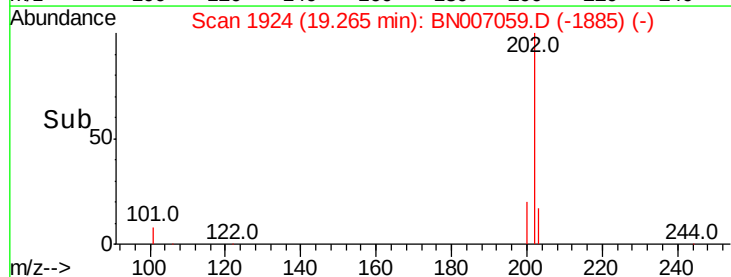
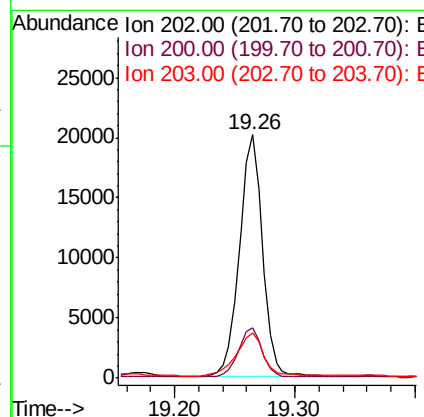
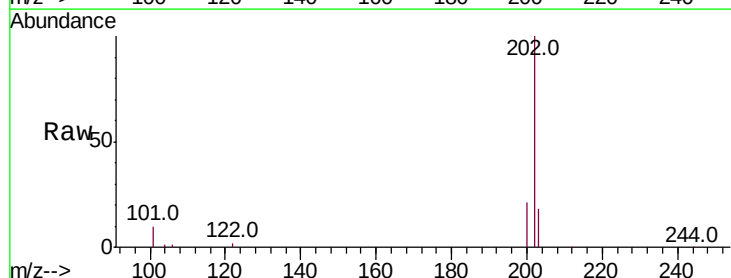
Instrument :
 BNA_N
 ClientSampleId :

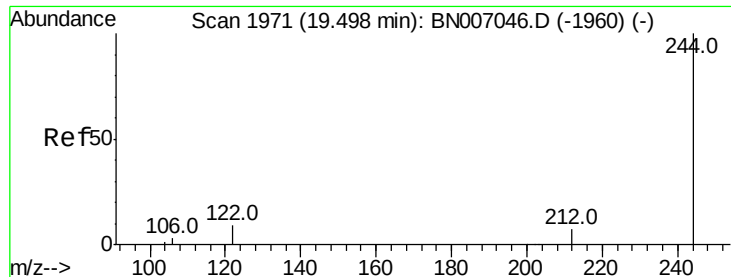
Tot Ion:240 Resp: 53138
 Ion Ratio Lower Upper
 240 100
 120 6.0 4.0 6.0
 236 26.8 21.3 31.9



#27
 Pyrene
 Concen: 0.143 ng
 RT: 19.26 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BN007059.D
 Acq: 10 Aug 2019 21:46

Tgt Ion:202 Resp: 26696
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.6 24.8
 203 20.7 14.0 21.0





#28

Terphenyl-d14

Concen: 0.200 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :

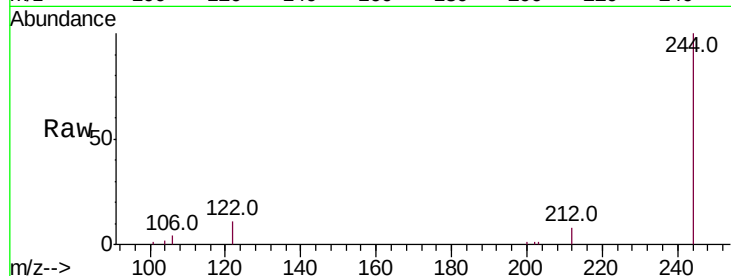
Tot Ion:244 Resp: 29021

Ion Ratio Lower Upper

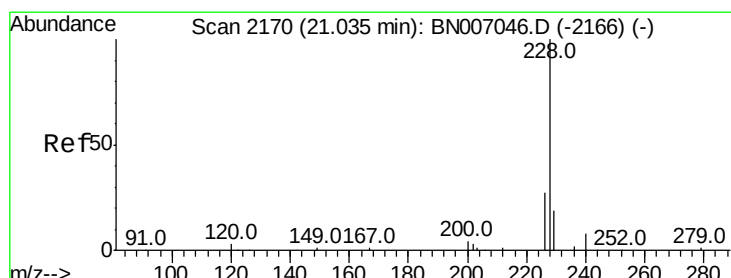
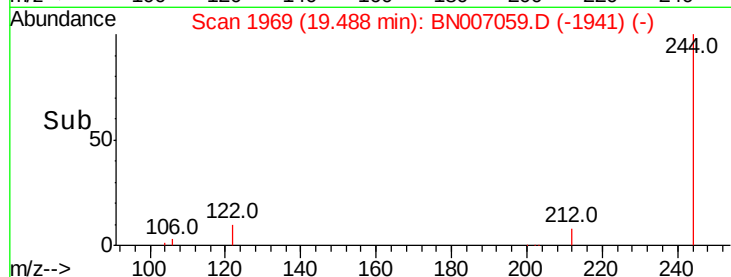
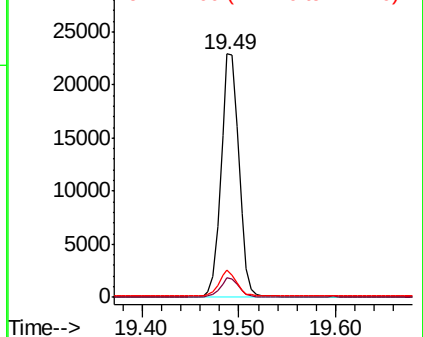
244 100

212 8.2 6.2 9.2

122 11.0 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: 0.088 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

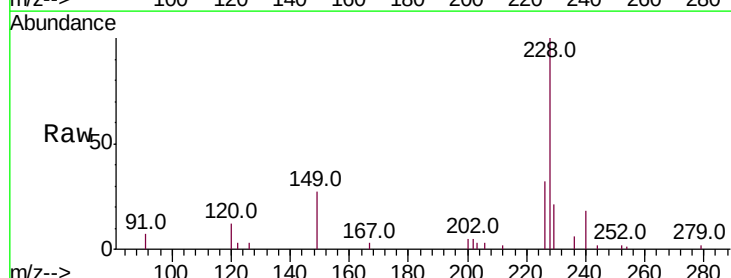
Tgt Ion:228 Resp: 17136

Ion Ratio Lower Upper

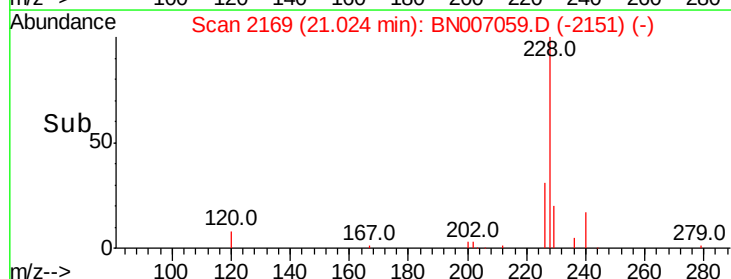
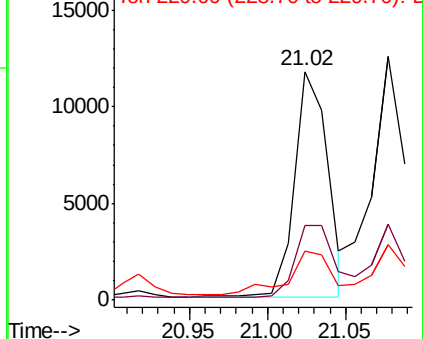
228 100

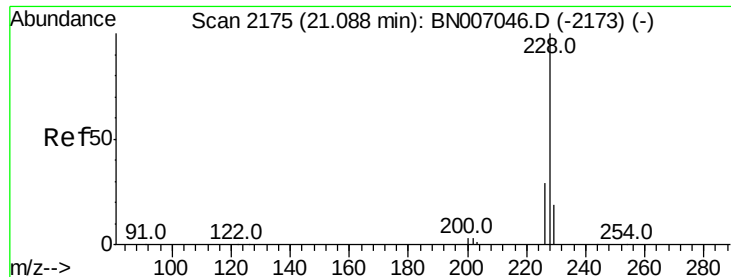
226 32.5 21.8 32.6

229 21.3 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: 0.095 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :

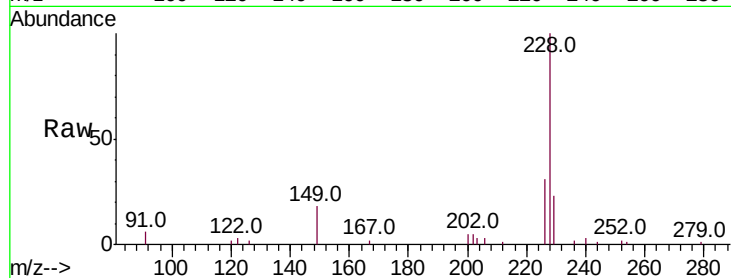
Tot Ion:228 Resp: 17958

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.6

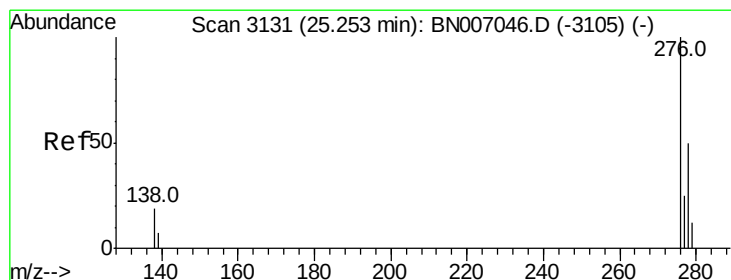
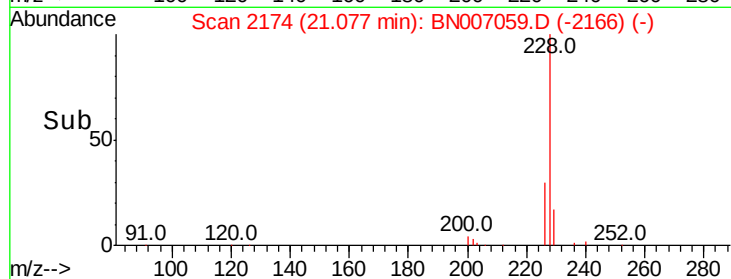
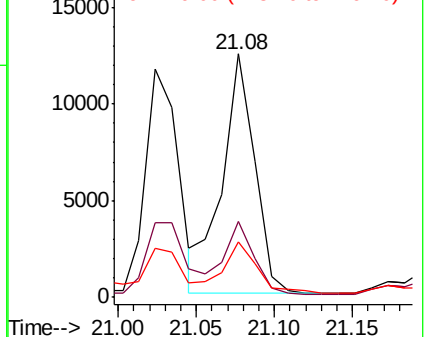
229 22.7 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.052 ng

RT: 25.24 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

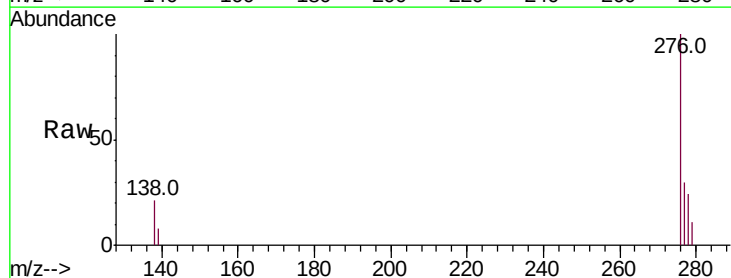
Tgt Ion:276 Resp: 10788

Ion Ratio Lower Upper

276 100

138 17.9 16.0 24.0

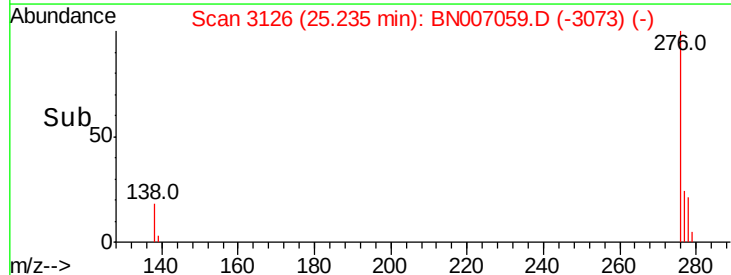
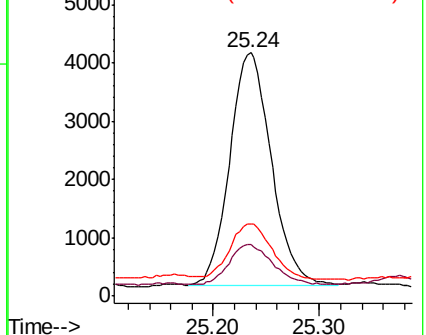
277 23.9 19.9 29.9

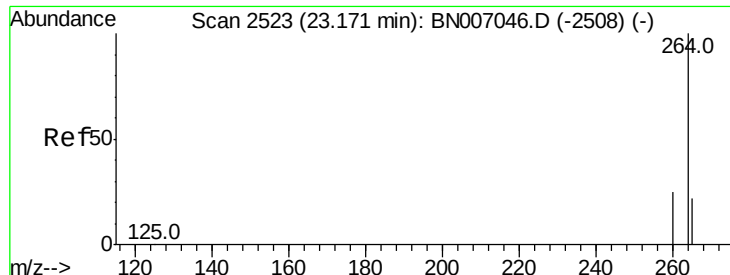


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



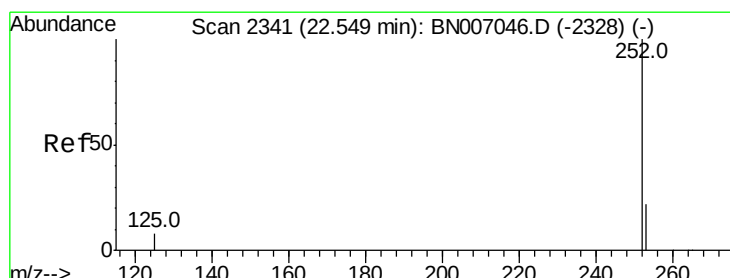
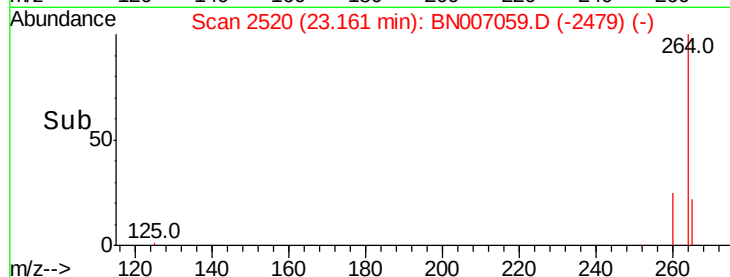
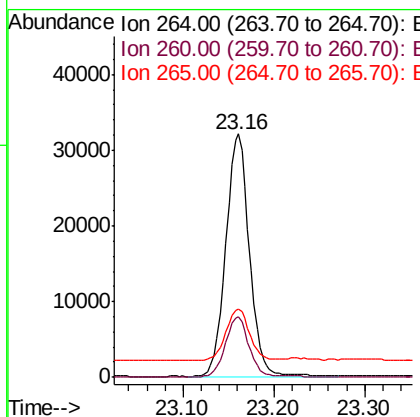
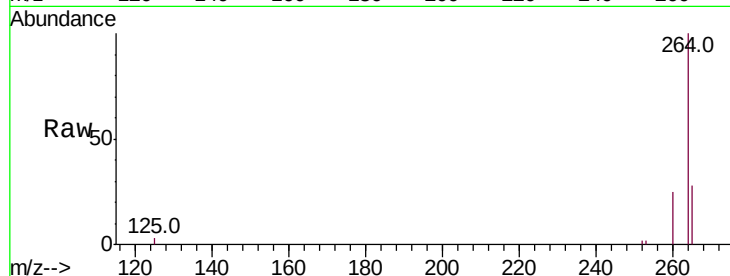


#32
Pervlene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:264 Resp: 57427

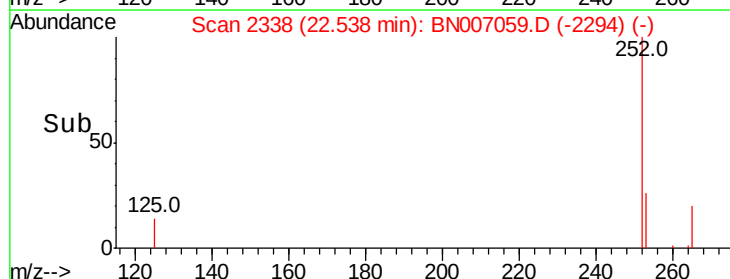
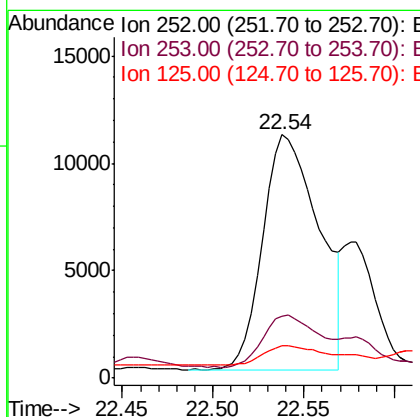
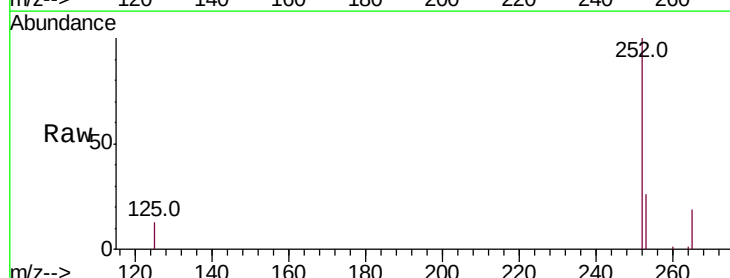
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	28.3	26.2	39.4

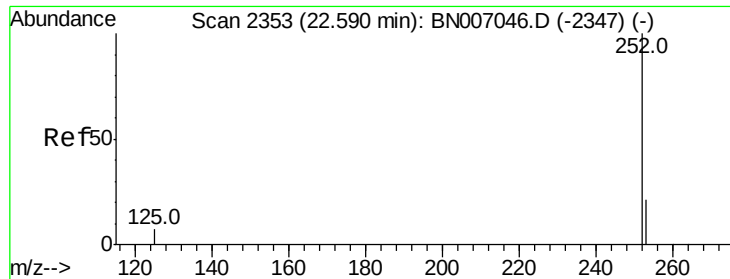


#33
Benzo(b)fluoranthene
Concen: 0.120 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Tgt Ion:252 Resp: 23705

Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	13.1	7.4	11.0

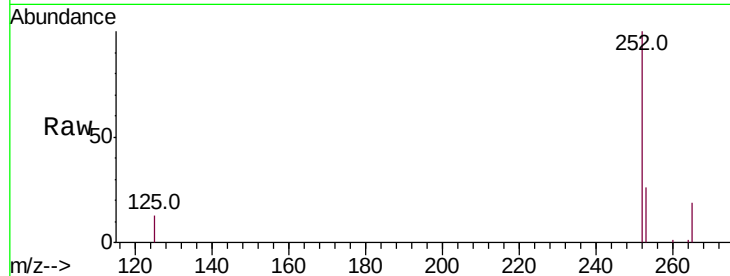




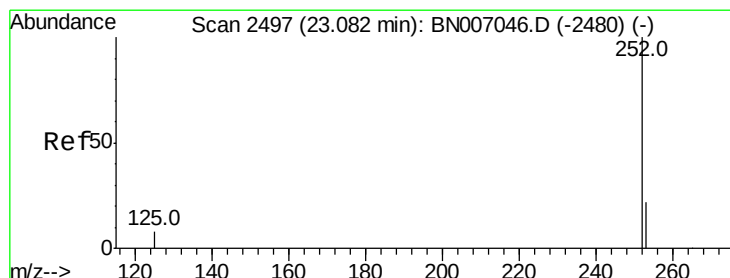
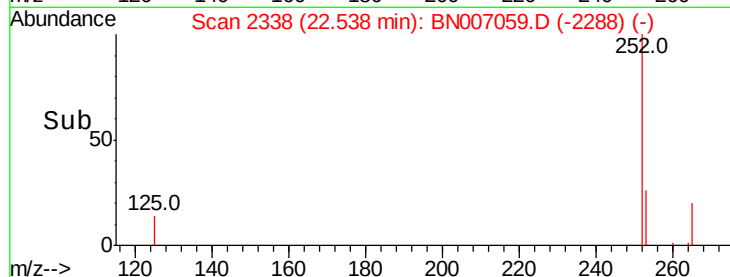
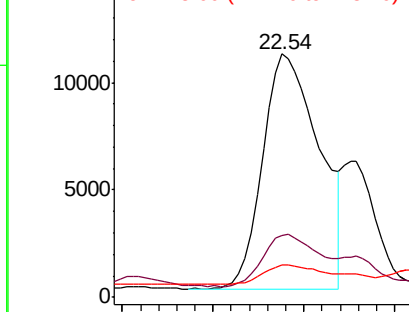
#34
Benzo(k)fluoranthene
Concen: 0.122 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.05 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 23705
Ion Ratio Lower Upper
252 100
253 25.5 18.1 27.1
125 13.1 7.4 11.0#

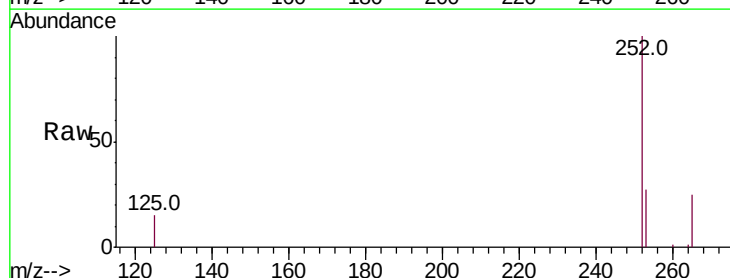


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

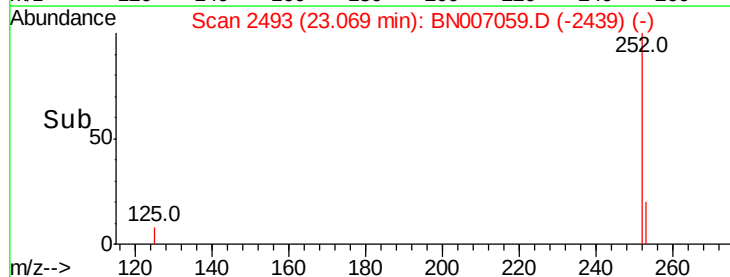
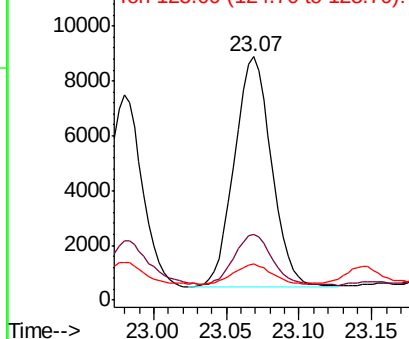


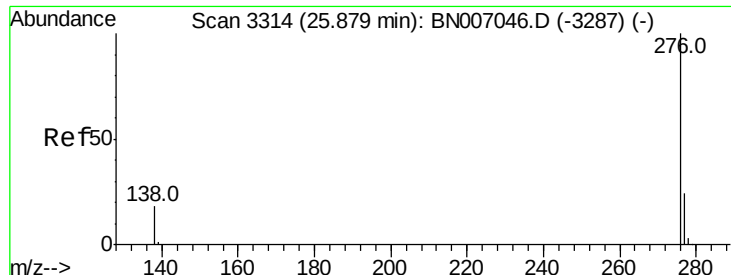
#35
Benzo(a)pyrene
Concen: 0.084 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007059.D
Acq: 10 Aug 2019 21:46

Tgt Ion:252 Resp: 14973
Ion Ratio Lower Upper
252 100
253 26.9 18.5 27.7
125 14.9 8.2 12.4#



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





#37

Benzo(a,h,i)perylene

Concen: 0.060 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

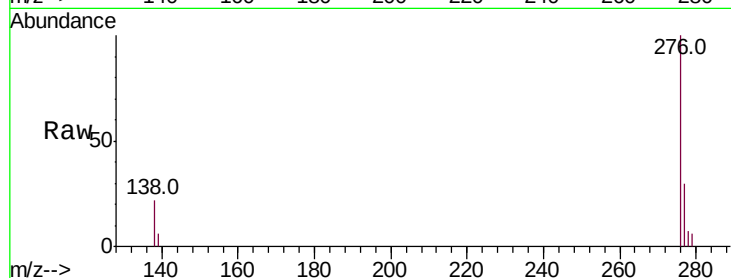
Lab File: BN007059.D

Acq: 10 Aug 2019 21:46

Instrument :

BNA_N

ClientSampleId :



Tot Ion:	276	Resp:	11043
Ion Ratio	Lower	Upper	
276	100		
277	30.3	19.8	29.8#
138	21.7	14.6	22.0

