

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081419\
 Data File : BN007184.D
 Acq On : 15 Aug 2019 03:41
 Operator : HP/JU
 Sample : K4282-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 15 11:05:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 13 12:12:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	7663	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	28713	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15543	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	35123	0.40	ng	0.00
26) Chrysene-d12	21.03	240	33601	0.40	ng	-0.02
32) Perylene-d12	23.15	264	37833	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	1571	0.09	ng	0.00
4) Phenol-d6	6.61	99	2083	0.09	ng	0.00
7) Nitrobenzene-d5	8.55	82	1701	0.07	ng	-0.01
10) 2-Methylnaphthalene-d10	11.79	152	3606	0.07	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	184	0.02	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	876	0.04	ng	0.00
24) Fluoranthene-d10	18.86	212	7901	0.06	ng	-0.01
28) Terphenyl-d14	19.48	244	6054	0.07	ng	-0.02

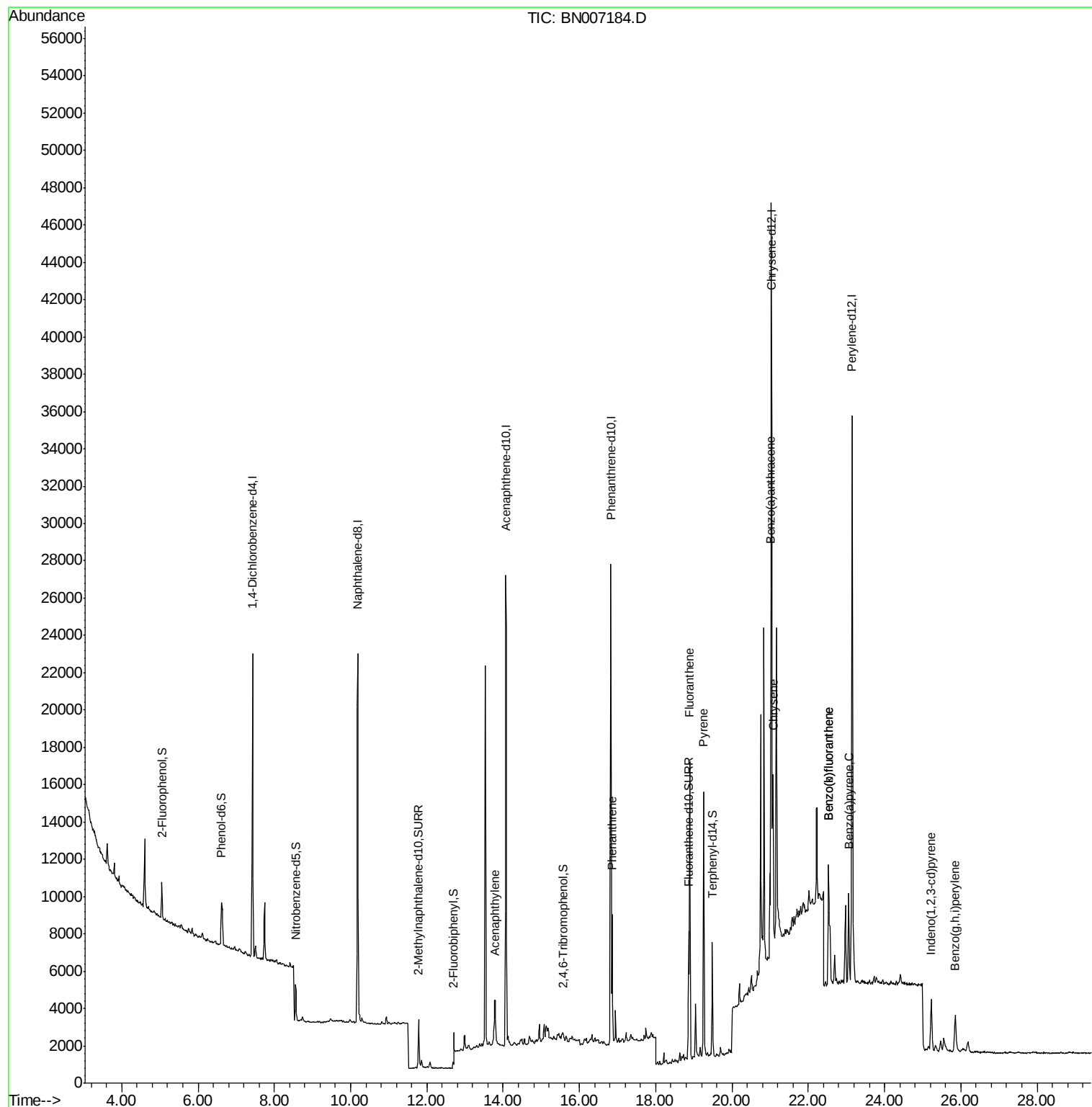
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	6201	0.076	ng	97
22) Phenanthrene	16.87	178	8072	0.077	ng	99
25) Fluoranthene	18.89	202	14703	0.109	ng	100
27) Pyrene	19.26	202	13358	0.113	ng	# 95
29) Benzo(a)anthracene	21.02	228	8754	0.071	ng	# 76
30) Chrysene	21.08	228	9083	0.076	ng	# 92
31) Indeno(1,2,3-cd)pyrene	25.22	276	4098	0.031	ng	100
33) Benzo(b)fluoranthene	22.53	252	10234	0.079	ng	# 73
34) Benzo(k)fluoranthene	22.53	252	10234	0.080	ng	# 73
35) Benzo(a)pyrene	23.06	252	6463	0.055	ng	# 68
37) Benzo(a,h,i)perylene	25.85	276	4032	0.033	ng	# 64

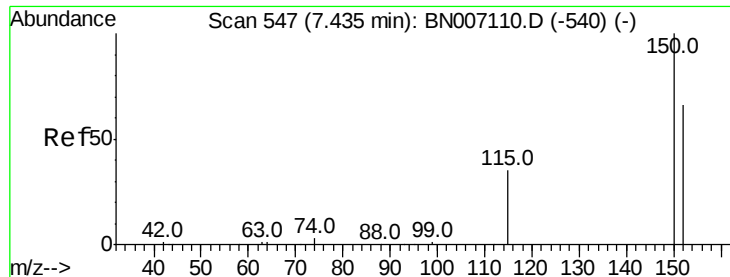
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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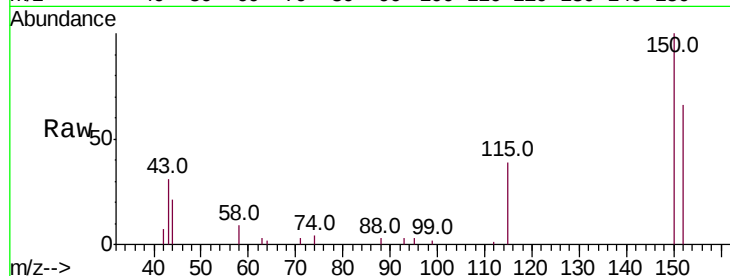


#1

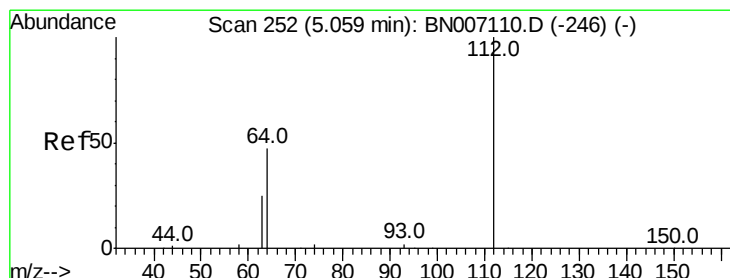
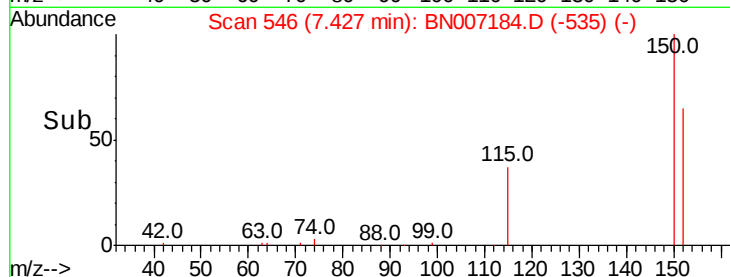
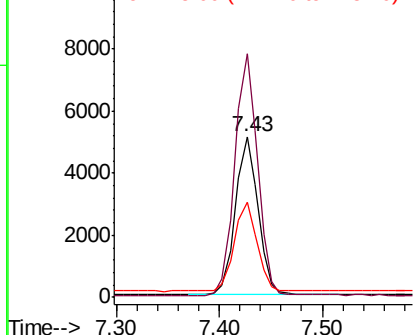
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7663
Ion Ratio Lower Upper
152 100
150 151.3 121.7 182.5
115 58.7 46.2 69.4



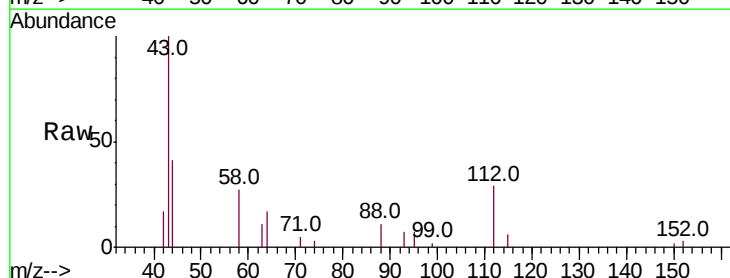
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



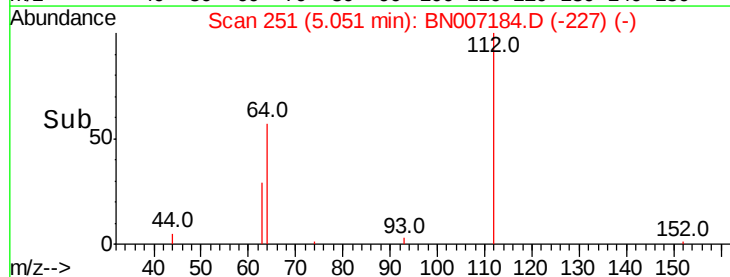
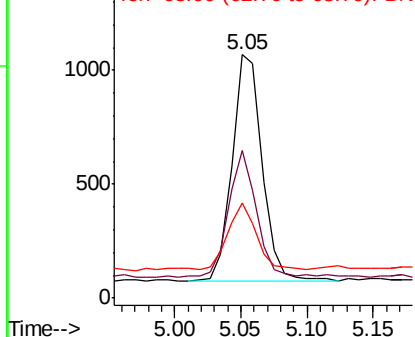
#3

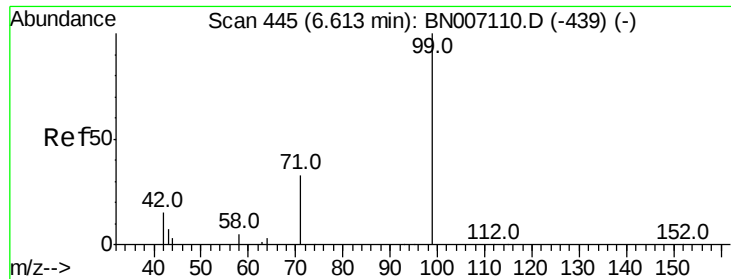
2-Fluorophenol
Concen: 0.085 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

Tgt Ion:112 Resp: 1571
Ion Ratio Lower Upper
112 100
64 50.7 42.6 63.8
63 28.0 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: 0.091 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

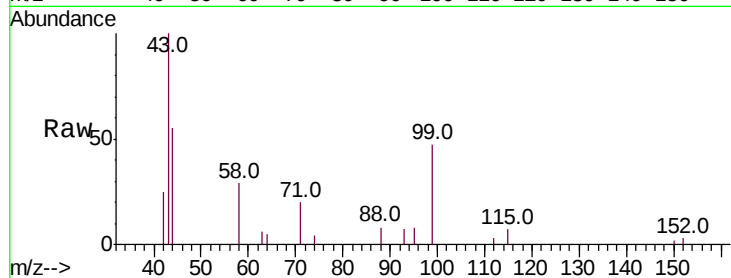
Tot Ion: 99 Resp: 2083

Ion Ratio Lower Upper

99 100

42 30.4 15.8 23.6#

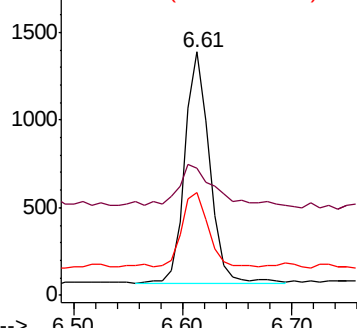
71 34.8 27.0 40.4



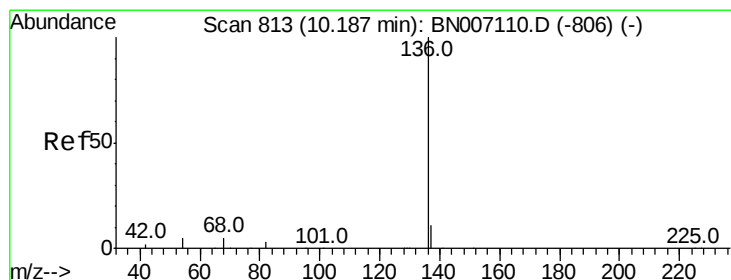
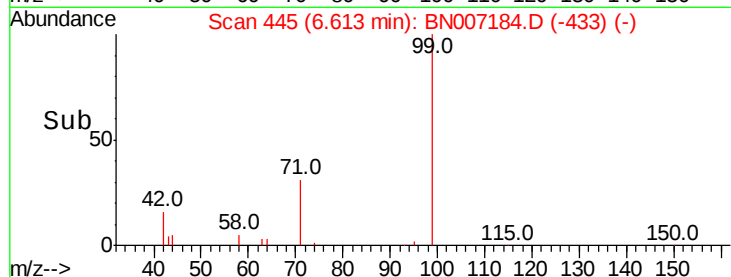
Abundance Ion 99.00 (98.70 to 99.70): BN007110.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007110.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007110.D (-439) (-)



Time-->



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Tgt Ion: 136 Resp: 28713

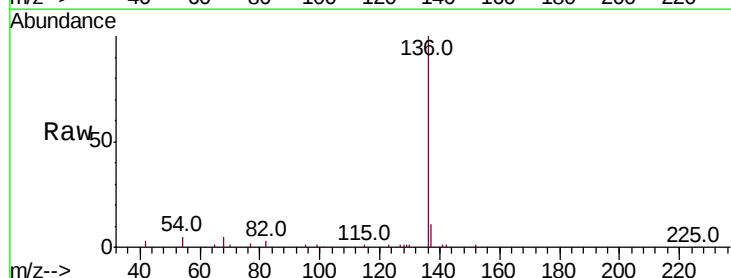
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 5.0 6.6 9.8#

68 4.8 6.0 9.0#

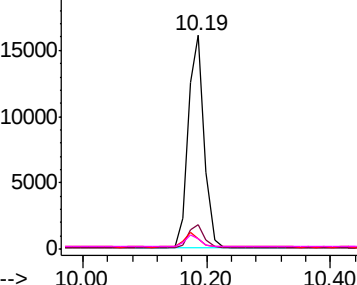


Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

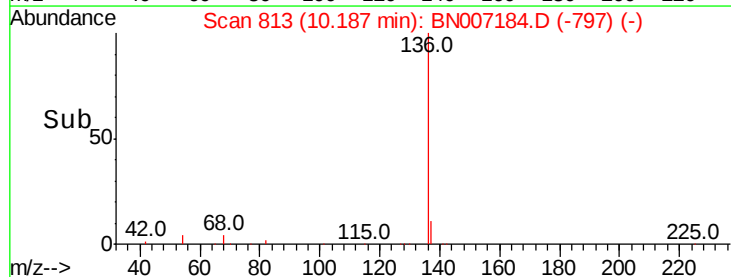
Ion 137.00 (136.70 to 137.70): BN007110.D (-806) (-)

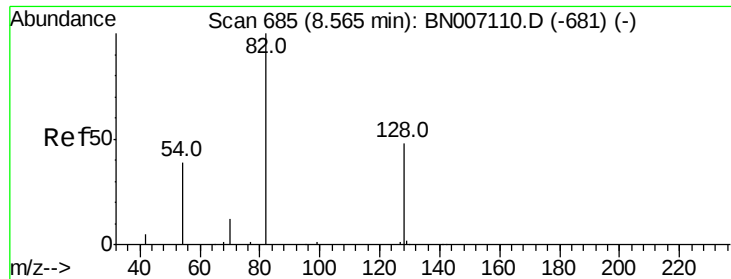
Ion 54.00 (53.70 to 54.70): BN007110.D (-806) (-)

Ion 68.00 (67.70 to 68.70): BN007110.D (-806) (-)



Time-->





#7

Nitrobenzene-d5

Concen: 0.073 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

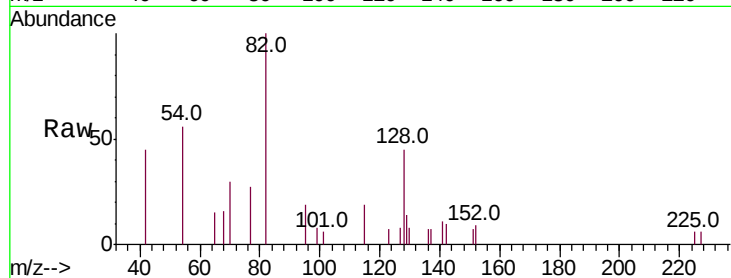
Tot Ion: 82 Resp: 1701

Ion Ratio Lower Upper

82 100

128 44.6 34.6 51.8

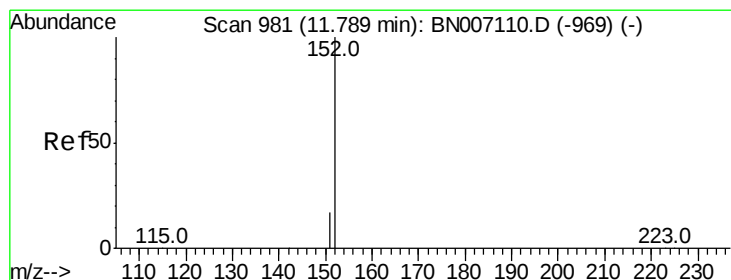
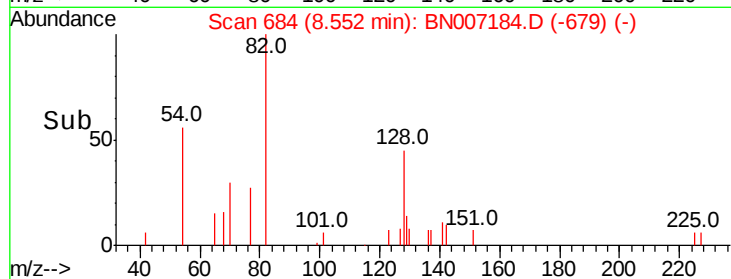
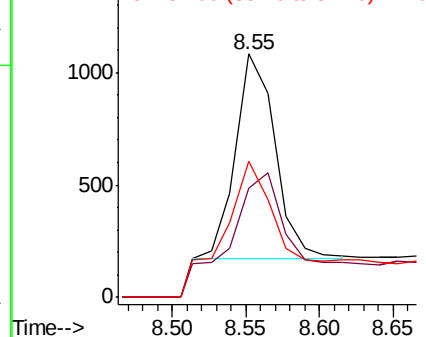
54 55.9 36.2 54.4#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#10

2-Methylnaphthalene-d10

Concen: 0.067 ng

RT: 11.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BN007184.D

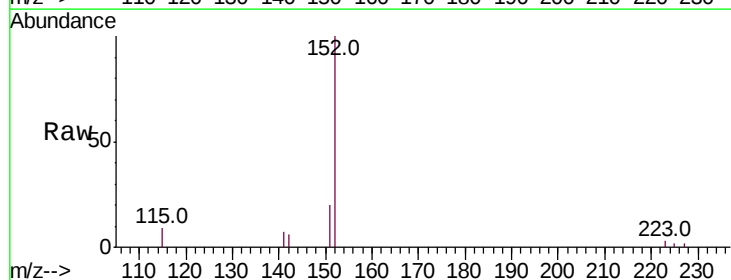
Acq: 15 Aug 2019 03:41

Tgt Ion: 152 Resp: 3606

Ion Ratio Lower Upper

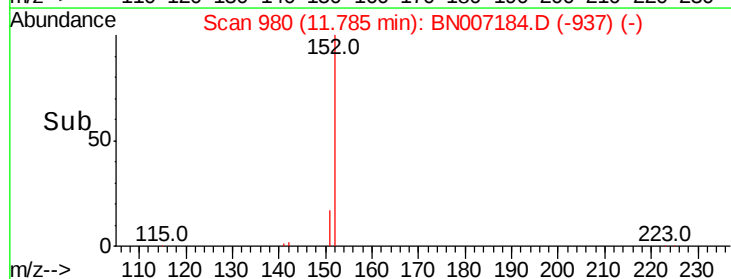
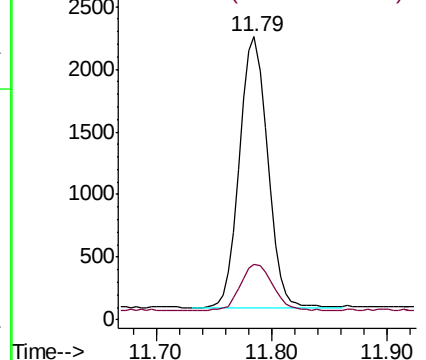
152 100

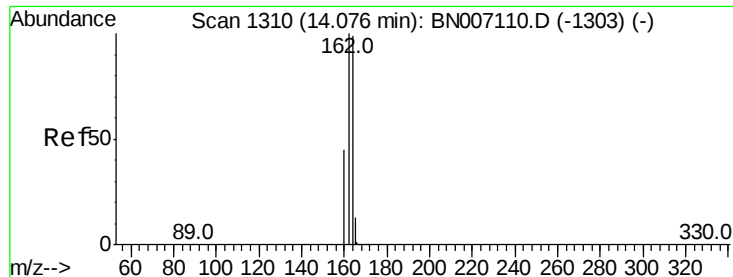
151 19.6 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BNC

Ion 151.00 (150.70 to 151.70): BNC





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

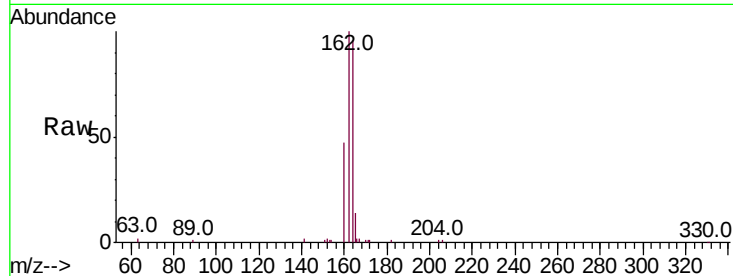
Tot Ion:164 Resp: 15543

Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

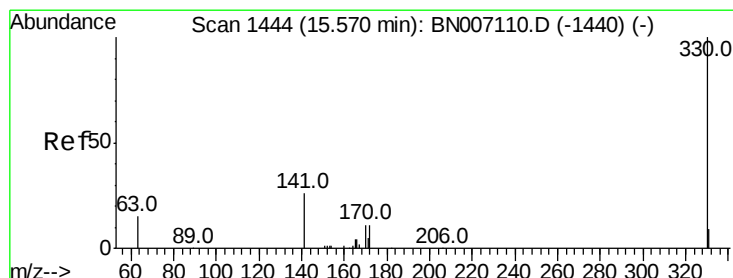
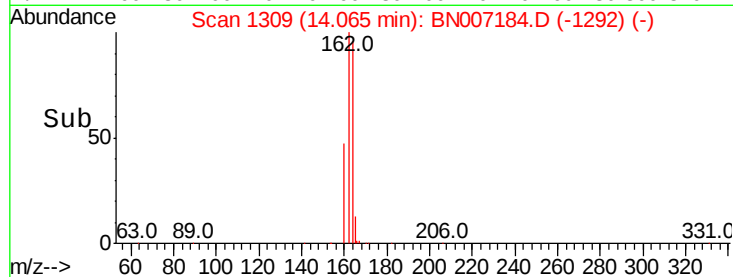
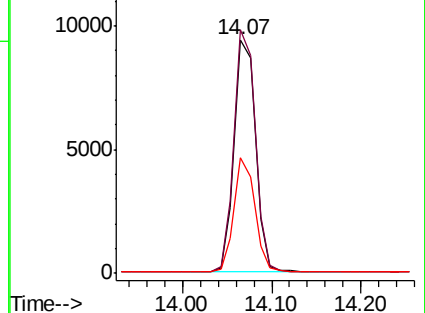
160 49.4 38.3 57.5



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: 0.022 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

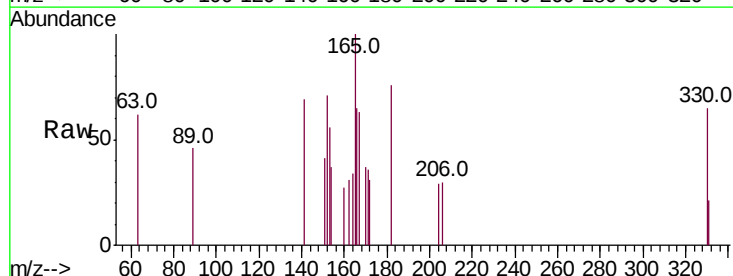
Tgt Ion:330 Resp: 184

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

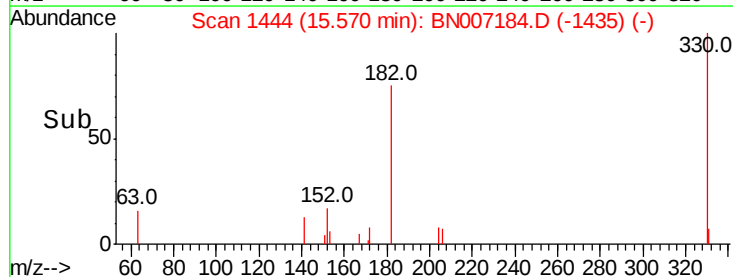
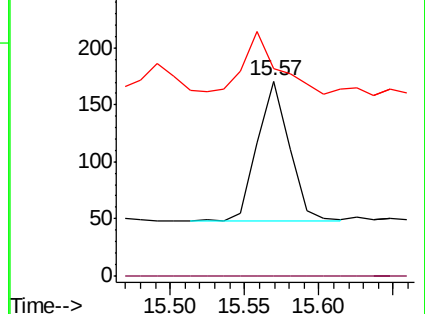
141 47.8 33.6 50.4

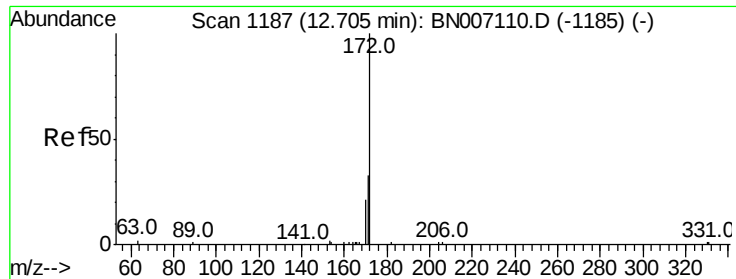


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

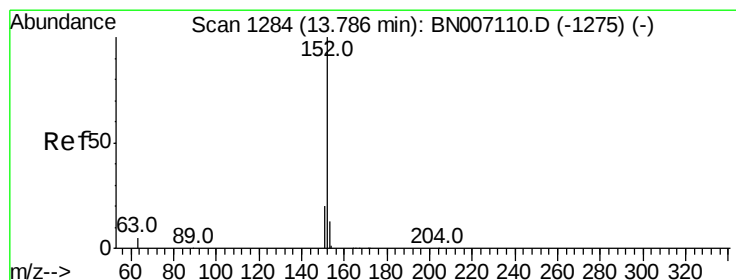
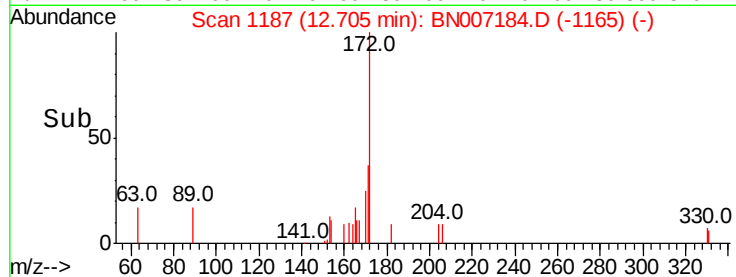
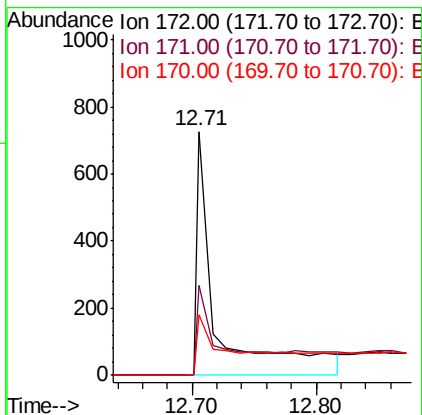
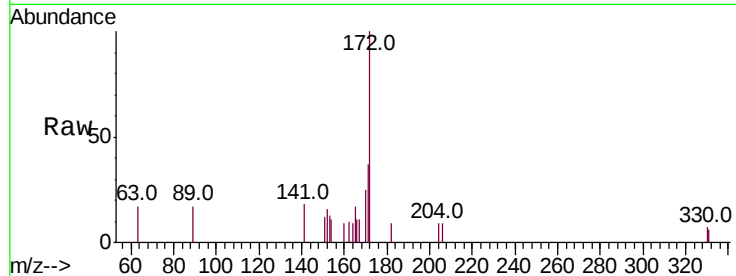




#14
2-Fluorobiphenyl
Concen: 0.039 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

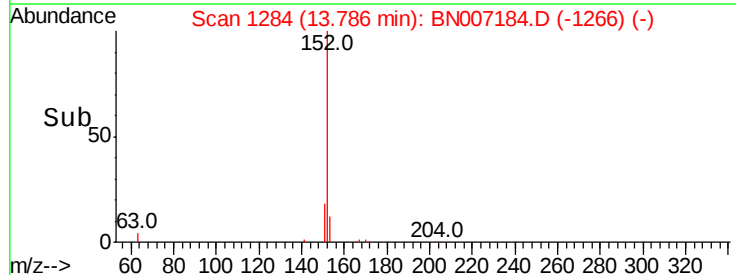
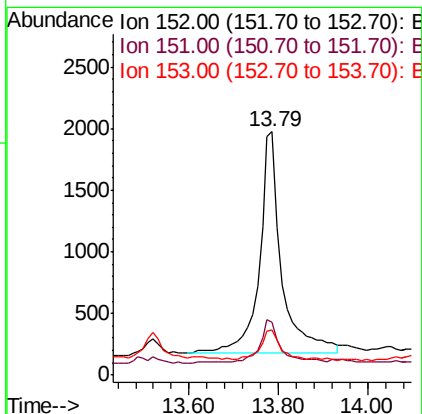
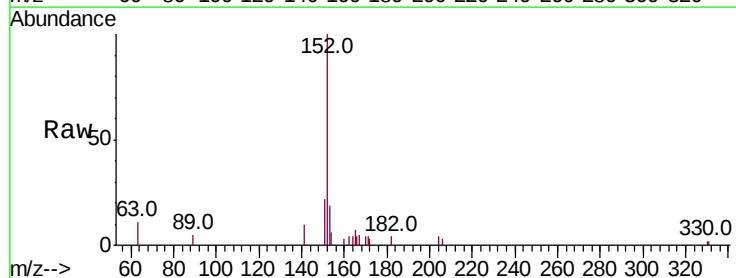
Instrument :
BNA_N
ClientSampleId :

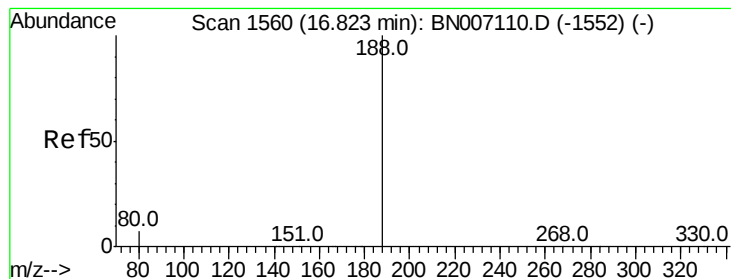
Tot Ion:172 Resp: 876
Ion Ratio Lower Upper
172 100
171 36.8 26.3 39.5
170 25.1 17.0 25.4



#15
Acenaphthylene
Concen: 0.076 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

Tgt Ion:152 Resp: 6201
Ion Ratio Lower Upper
152 100
151 18.5 15.8 23.6
153 11.8 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: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

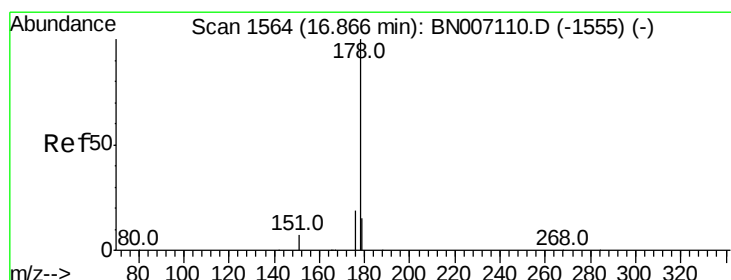
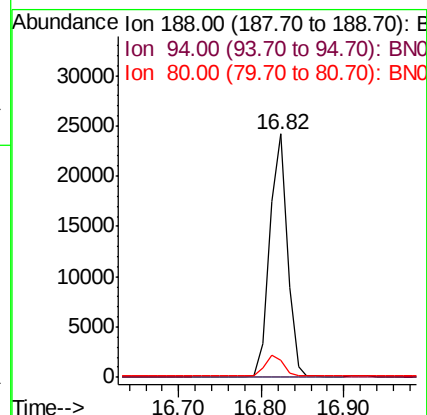
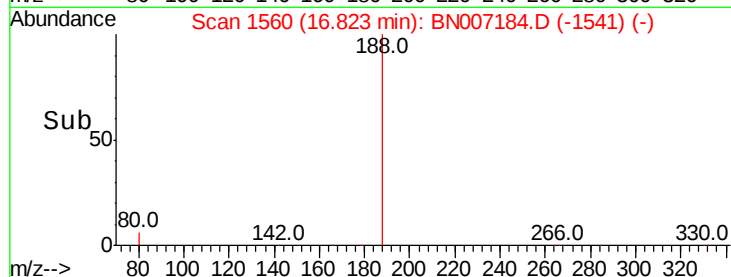
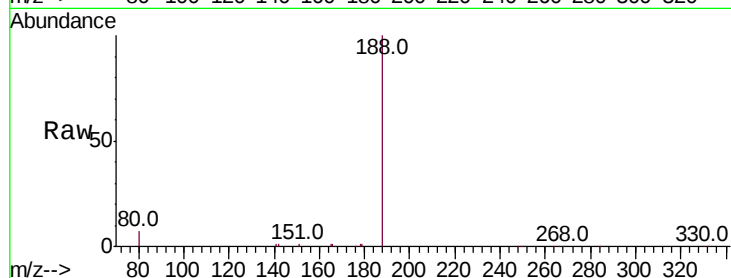
Tot Ion:188 Resp: 35123

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.9 7.8 11.6#



#22

Phenanthrene

Concen: 0.077 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

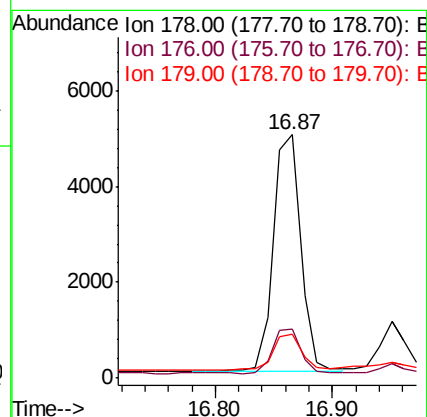
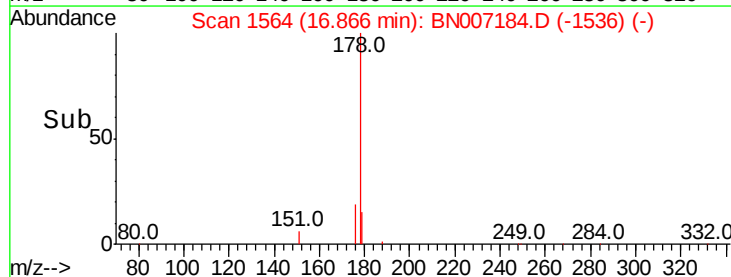
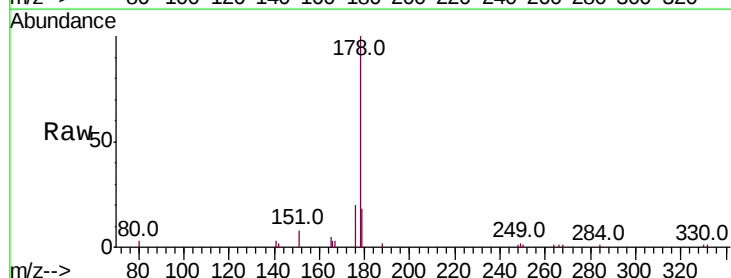
Tgt Ion:178 Resp: 8072

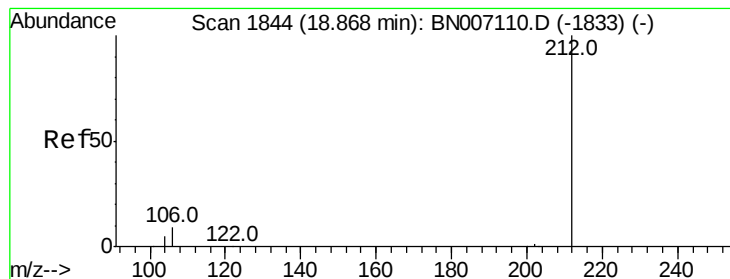
Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 16.4 12.3 18.5





#24

Fluoranthene-d10

Concen: 0.063 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

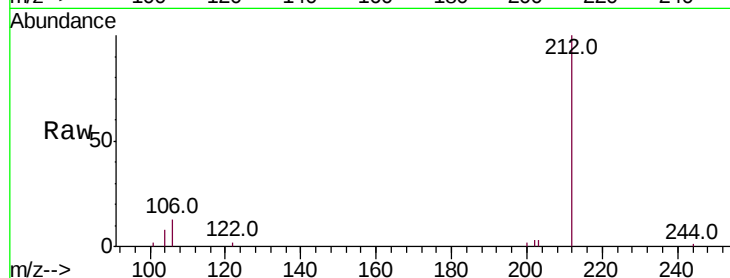
Tot Ion:212 Resp: 7901

Ion Ratio Lower Upper

212 100

106 10.2 8.2 12.2

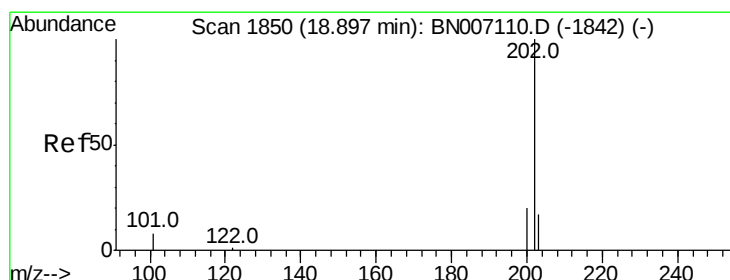
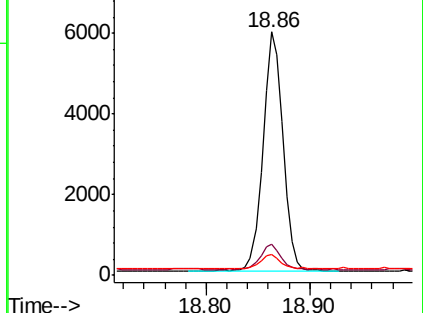
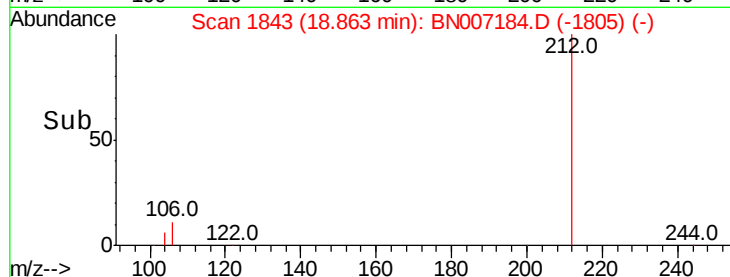
104 6.9 4.5 6.7#



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: 0.109 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

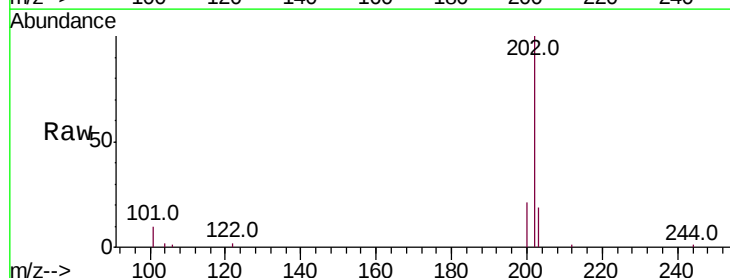
Tgt Ion:202 Resp: 14703

Ion Ratio Lower Upper

202 100

101 9.0 7.0 10.4

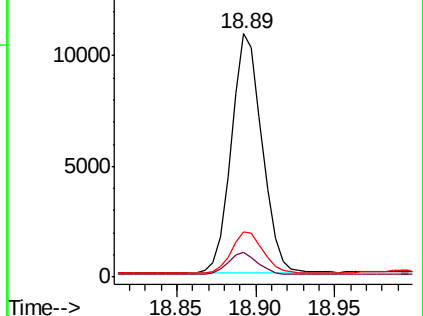
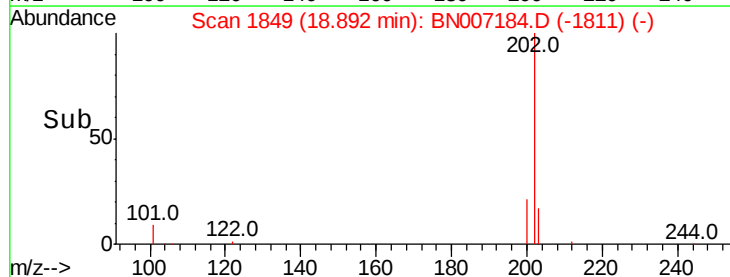
203 17.3 13.8 20.8

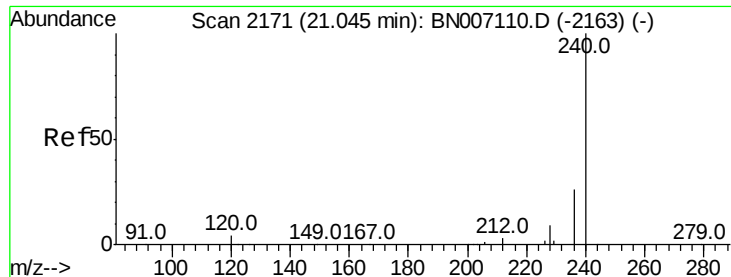


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

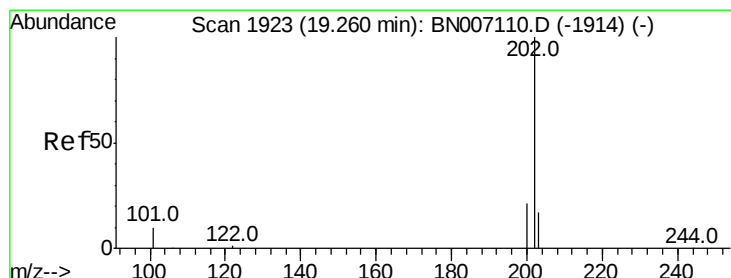
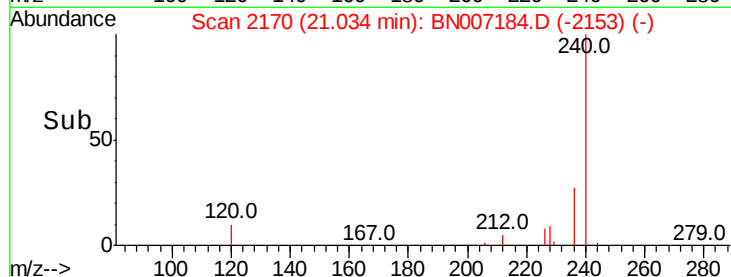
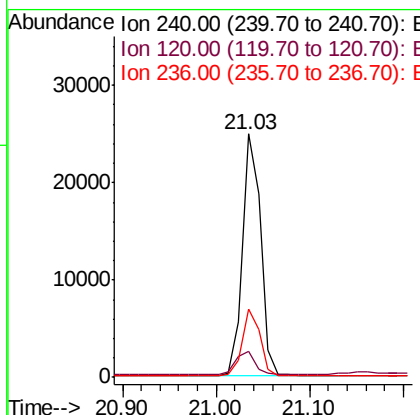
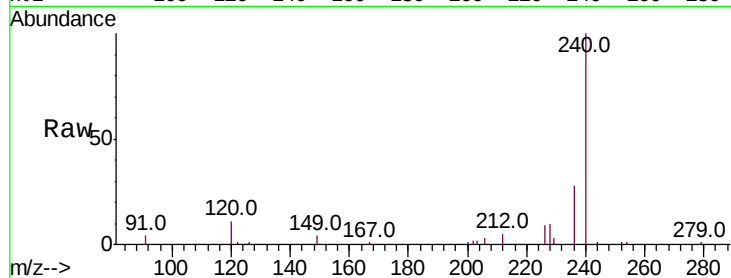




#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

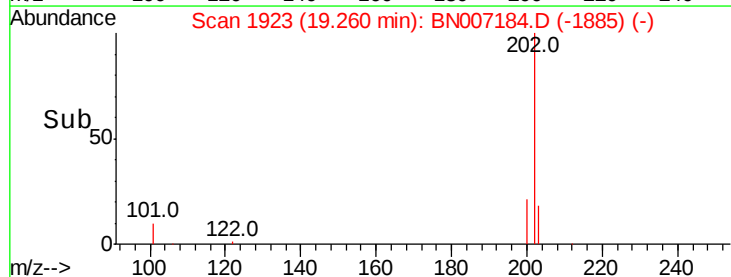
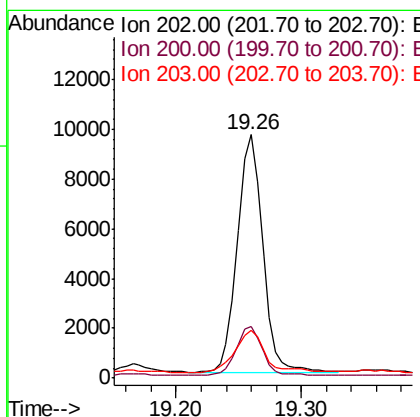
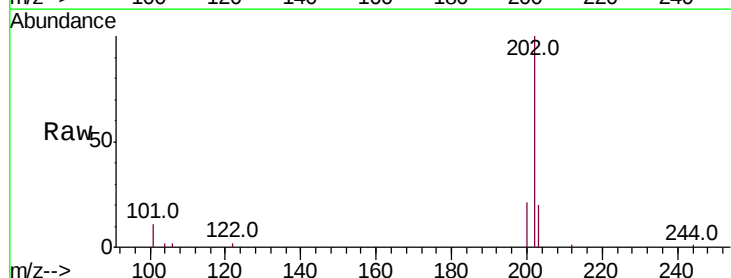
Instrument :
BNA_N
ClientSampleId :

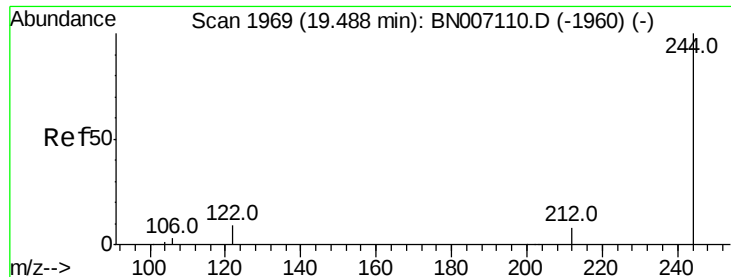
Tot Ion:240 Resp: 33601
Ion Ratio Lower Upper
240 100
120 10.8 4.0 6.0#
236 27.9 21.3 31.9



#27
Pyrene
Concen: 0.113 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

Tgt Ion:202 Resp: 13358
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.2 14.0 21.0#





#28

Terphenyl-d14

Concen: 0.066 ng

RT: 19.48 min Scan# 1968

Delta R.T. -0.02 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

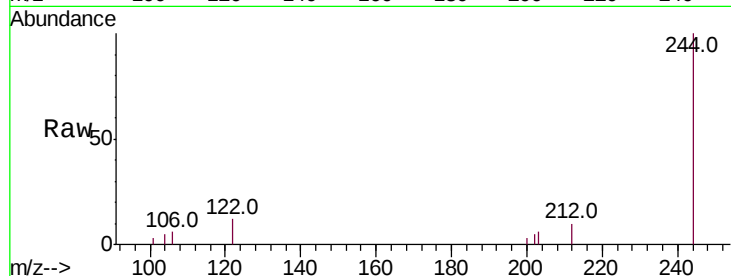
Tot Ion:244 Resp: 6054

Ion Ratio Lower Upper

244 100

212 9.7 6.2 9.2#

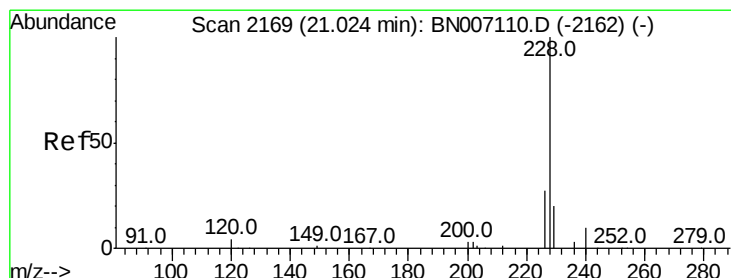
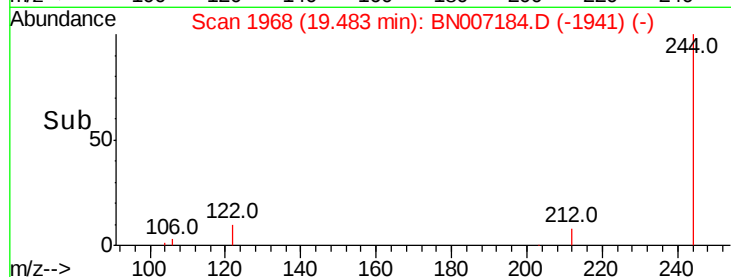
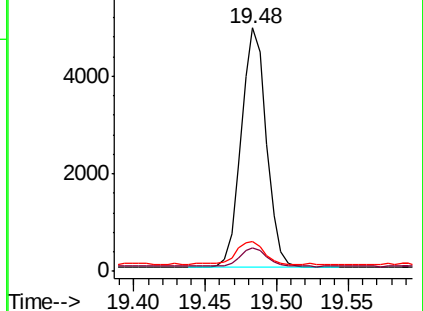
122 12.3 7.4 11.2#



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: 0.071 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

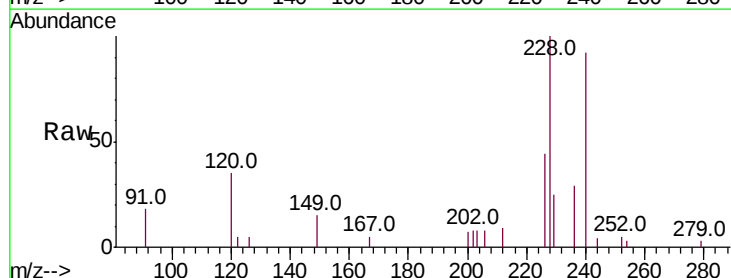
Tgt Ion:228 Resp: 8754

Ion Ratio Lower Upper

228 100

226 44.2 21.8 32.6#

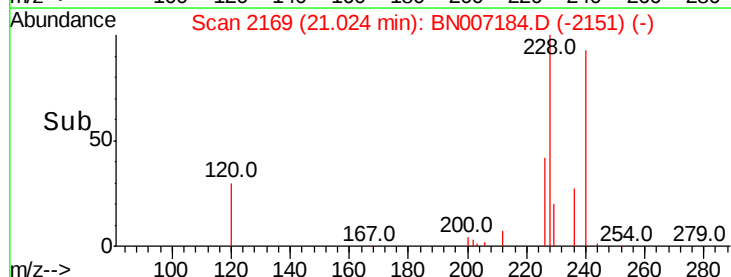
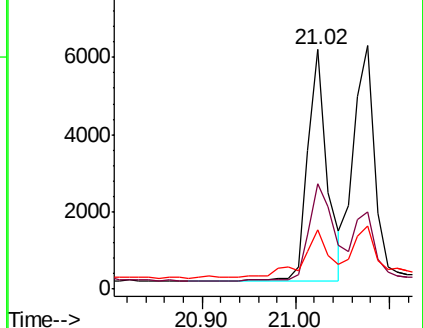
229 24.6 15.6 23.4#

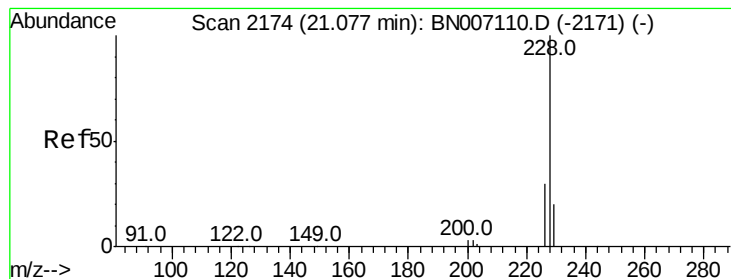


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Chrysene

Concen: 0.076 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

Instrument :

BNA_N

ClientSampleId :

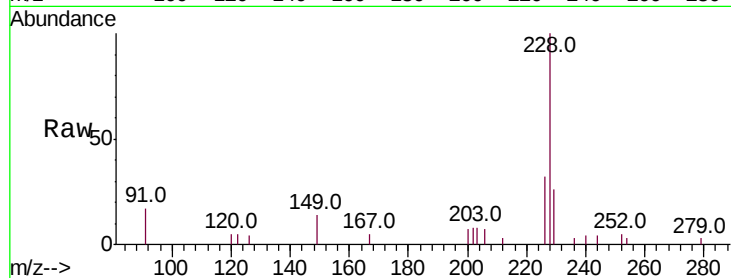
Tot Ion:228 Resp: 9083

Ion Ratio Lower Upper

228 100

226 31.8 23.8 35.6

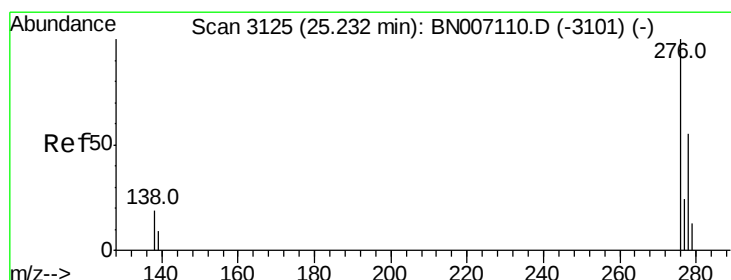
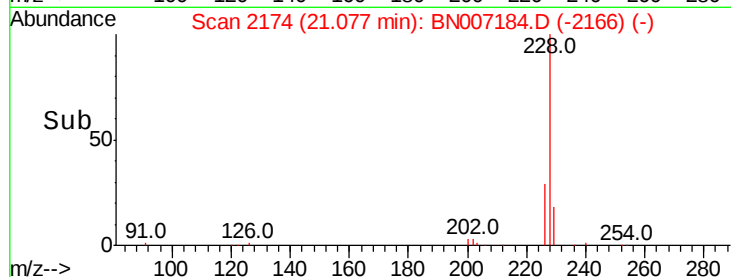
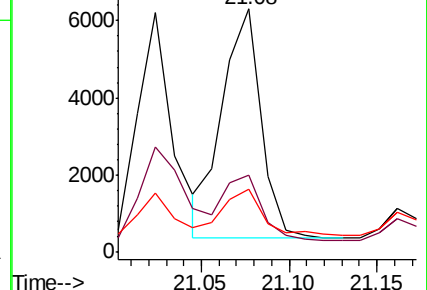
229 26.0 15.7 23.5#



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: 0.031 ng

RT: 25.22 min Scan# 3123

Delta R.T. -0.03 min

Lab File: BN007184.D

Acq: 15 Aug 2019 03:41

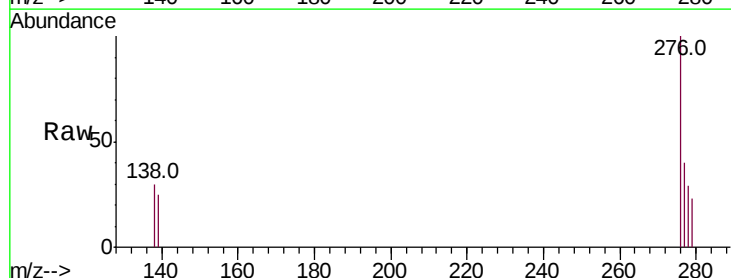
Tgt Ion:276 Resp: 4098

Ion Ratio Lower Upper

276 100

138 19.6 16.0 24.0

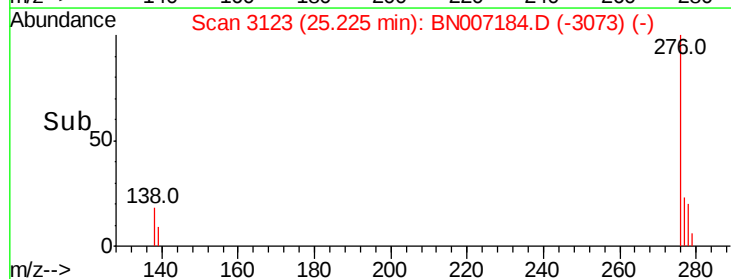
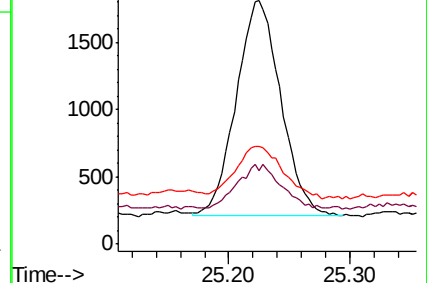
277 25.0 19.9 29.9

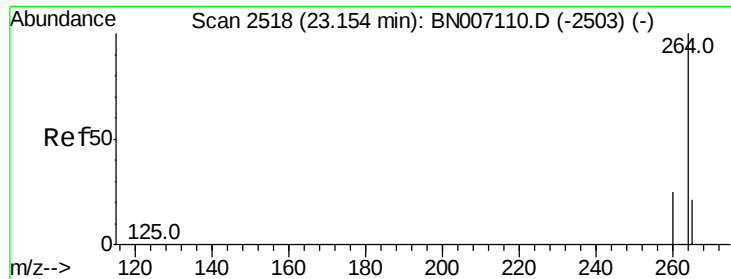


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

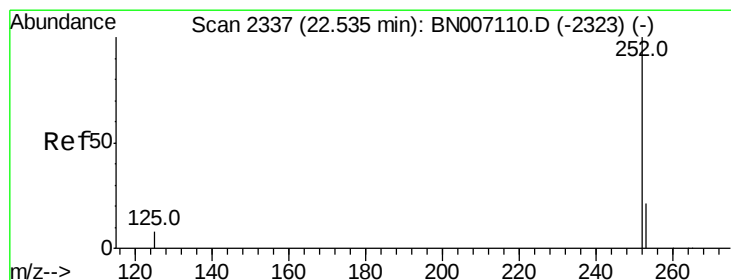
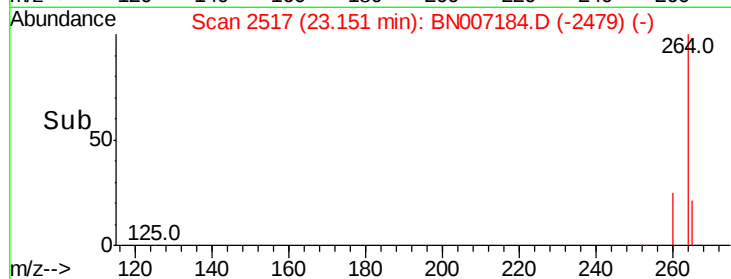
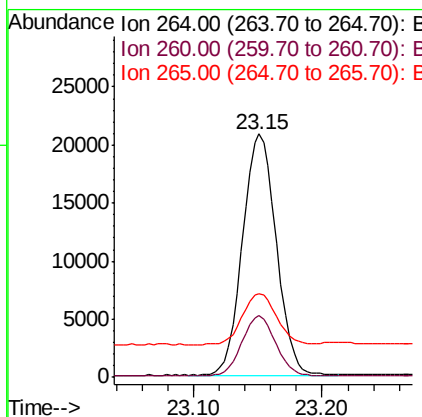
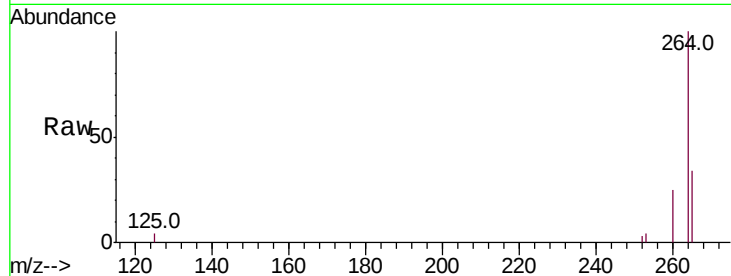




#32
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

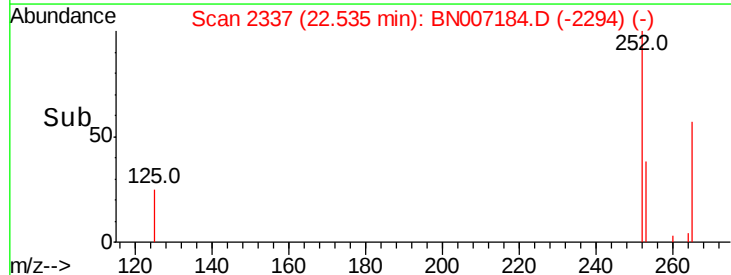
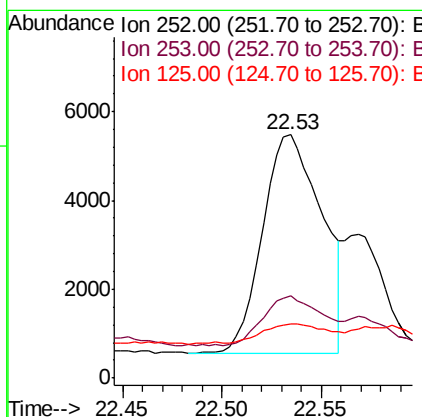
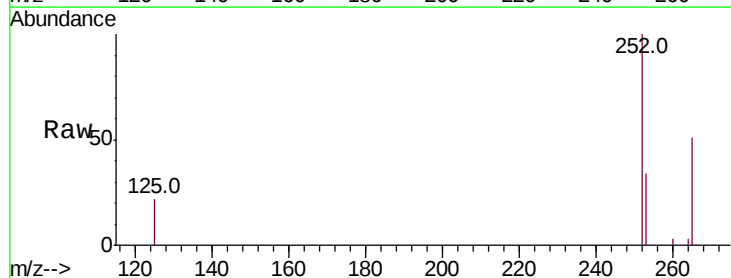
Instrument :
 BNA_N
 ClientSampleId :

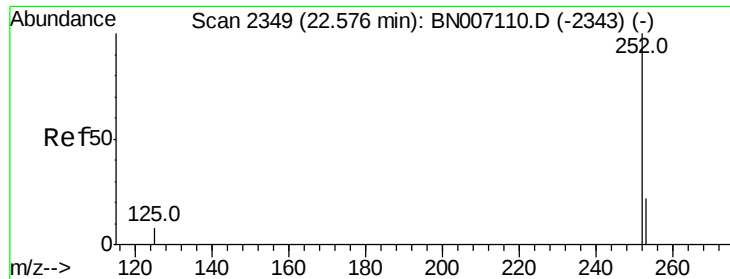
Tot Ion:264 Resp: 37833
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.8 29.8
 265 34.4 26.2 39.4



#33
 Benzo(b)fluoranthene
 Concen: 0.079 ng
 RT: 22.53 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

Tgt Ion:252 Resp: 10234
 Ion Ratio Lower Upper
 252 100
 253 33.8 18.2 27.2#
 125 22.1 7.4 11.0#

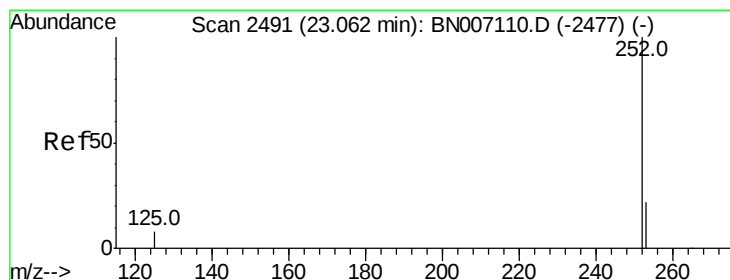
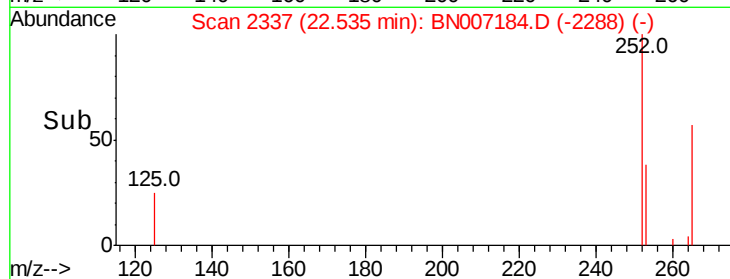
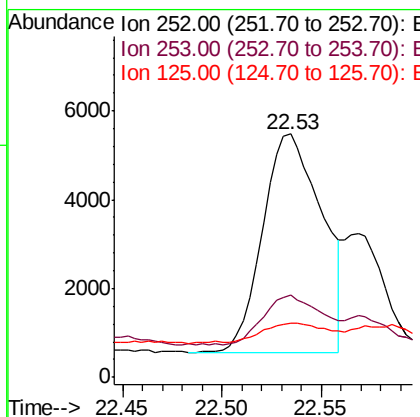
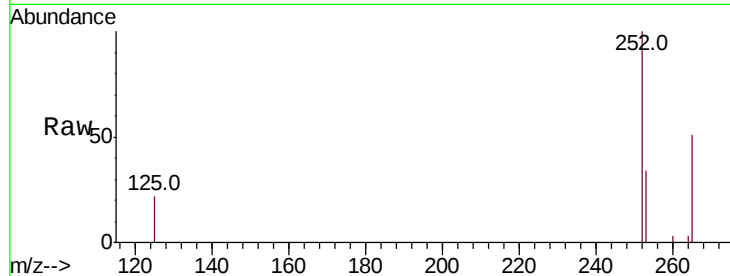




#34
Benzo(k)fluoranthene
Concen: 0.080 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.06 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

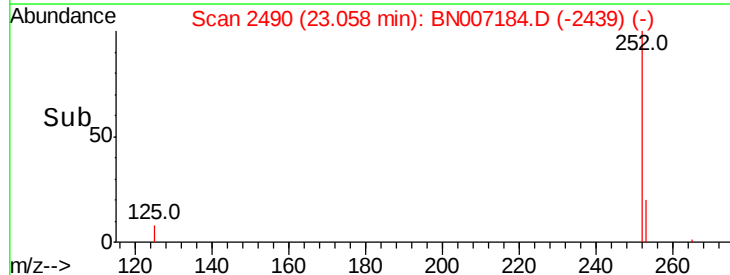
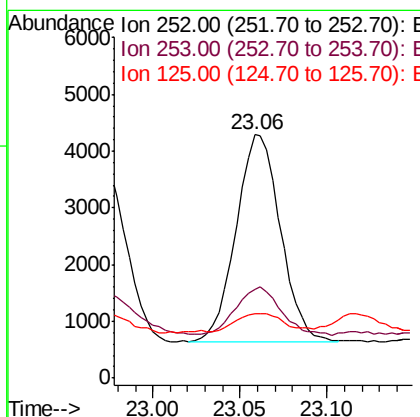
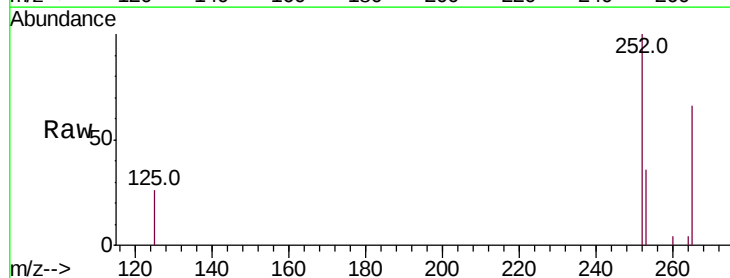
Instrument :
BNA_N
ClientSampleId :

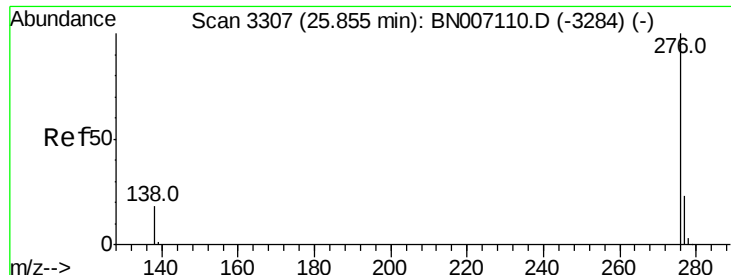
Tot Ion:252 Resp: 10234
Ion Ratio Lower Upper
252 100
253 33.8 18.1 27.1#
125 22.1 7.4 11.0#



#35
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.06 min Scan# 2490
Delta R.T. -0.02 min
Lab File: BN007184.D
Acq: 15 Aug 2019 03:41

Tgt Ion:252 Resp: 6463
Ion Ratio Lower Upper
252 100
253 36.5 18.5 27.7#
125 26.4 8.2 12.4#

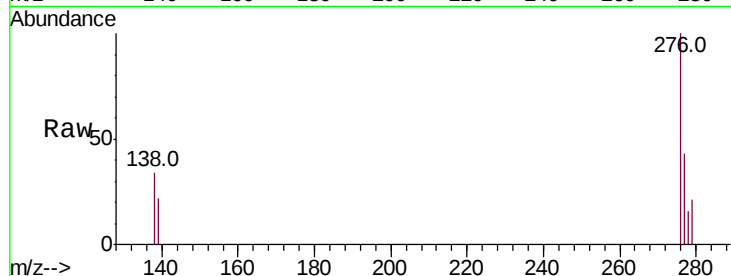




#37
 Benzo(a,h,i)perylene
 Concen: 0.033 ng
 RT: 25.85 min Scan# 3307
 Delta R.T. -0.02 min
 Lab File: BN007184.D
 Acq: 15 Aug 2019 03:41

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	42.8	19.8	29.8
138	33.9	14.6	22.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

