

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
 Data File : BN007213.D
 Acq On : 16 Aug 2019 01:10
 Operator : HP/JU
 Sample : K4240-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 16 07:07:54 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	7023	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	26619	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15440	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	36360	0.40	ng	0.00
26) Chrysene-d12	21.03	240	35708	0.40	ng	-0.02
32) Perylene-d12	23.15	264	40030	0.40	ng	-0.02

System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	7202	0.43	ng	0.00
4) Phenol-d6	6.61	99	9621	0.46	ng	0.00
7) Nitrobenzene-d5	8.55	82	8023	0.37	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	17195	0.35	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	968	0.12	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	2132	0.09	ng	0.00
24) Fluoranthene-d10	18.86	212	44287	0.34	ng	-0.01
28) Terphenyl-d14	19.48	244	35123	0.36	ng	-0.01

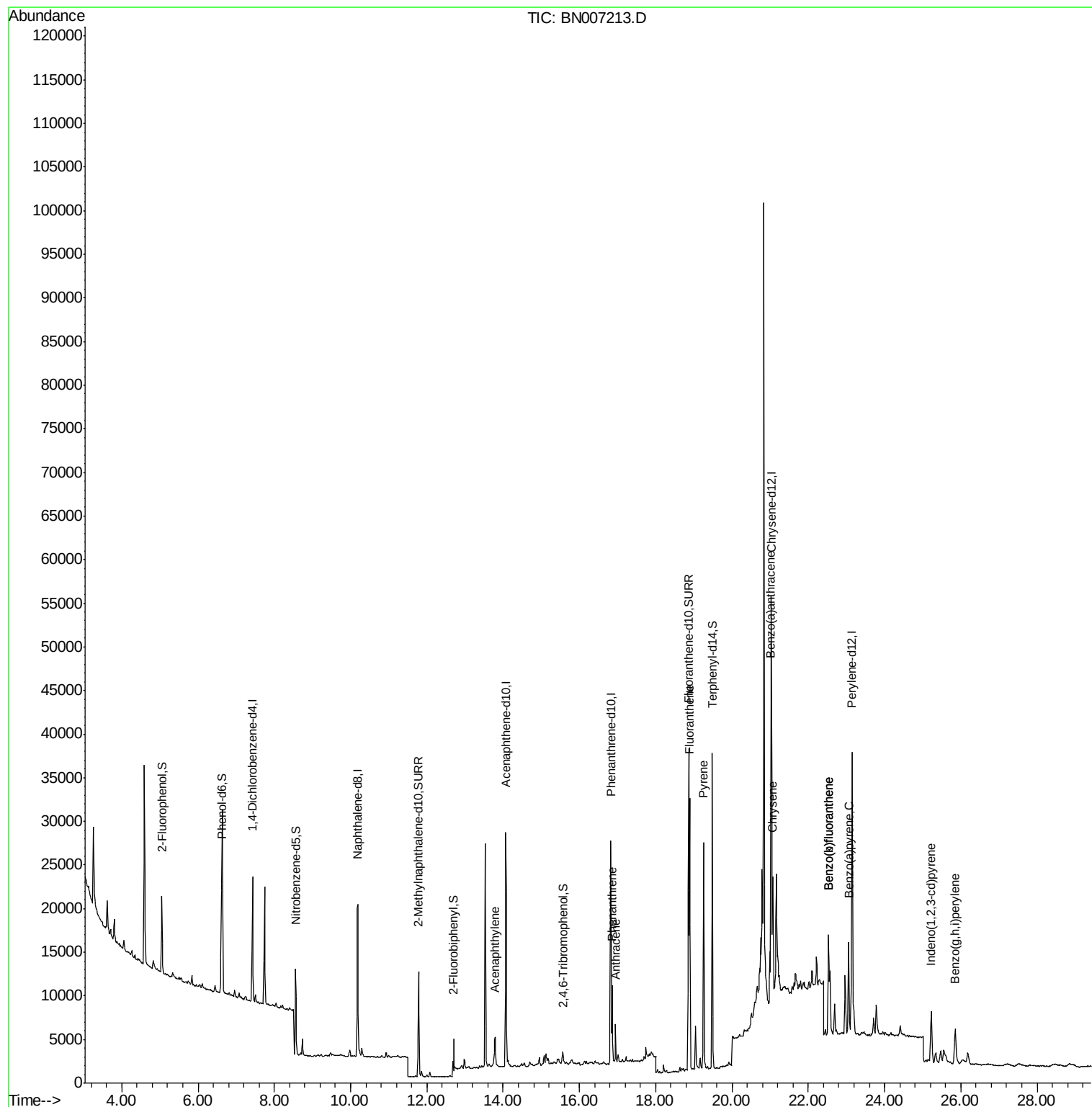
Target Compounds				Qvalue		
15) Acenaphthylene	13.79	152	7218	0.089	ng	98
22) Phenanthrene	16.87	178	10480	0.096	ng	98
23) Anthracene	16.95	178	2596	0.026	ng	# 92
25) Fluoranthene	18.89	202	27188	0.195	ng	99
27) Pyrene	19.26	202	24624	0.197	ng	# 95
29) Benzo(a)anthracene	21.02	228	17355	0.133	ng	# 73
30) Chrysene	21.07	228	14351	0.113	ng	# 90
31) Indeno(1,2,3-cd)pyrene	25.23	276	8997	0.064	ng	97
33) Benzo(b)fluoranthene	22.53	252	18713	0.136	ng	# 84
34) Benzo(k)fluoranthene	22.53	252	18713	0.138	ng	# 84
35) Benzo(a)pyrene	23.06	252	13614	0.109	ng	# 83
37) Benzo(a,h,i)perylene	25.85	276	8400	0.066	ng	# 81

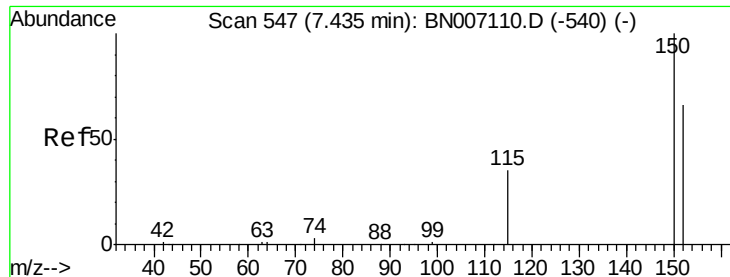
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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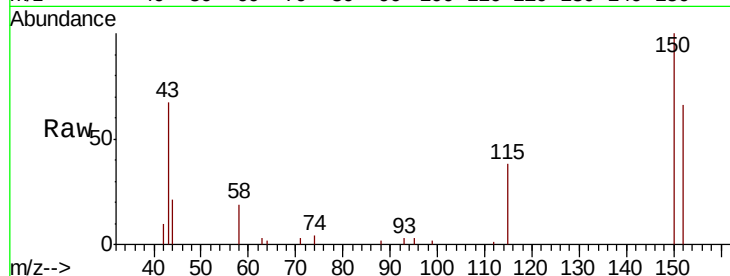


#1

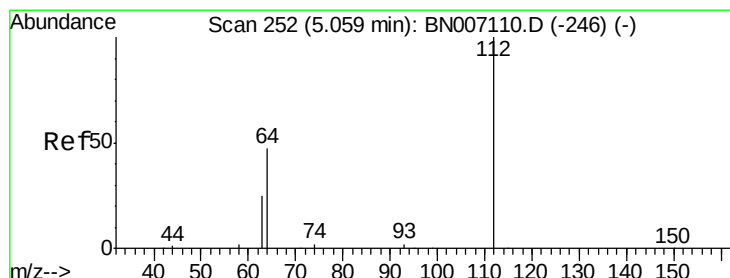
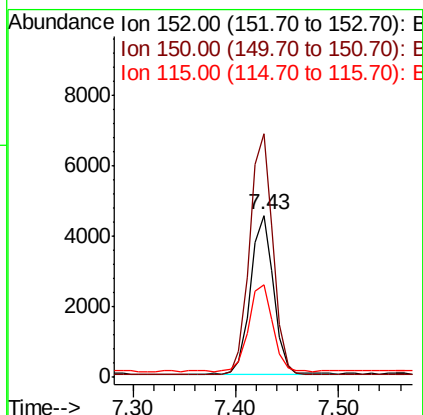
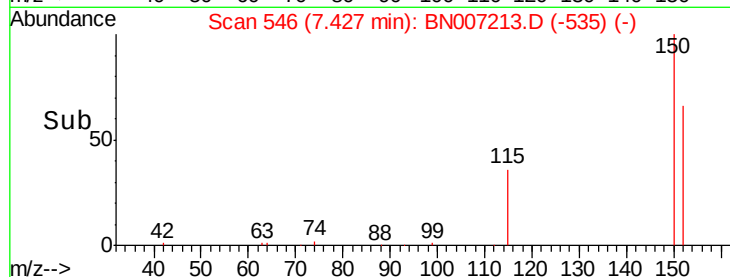
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 7023
Ion Ratio Lower Upper
152 100
150 150.5 121.7 182.5
115 57.5 46.2 69.4



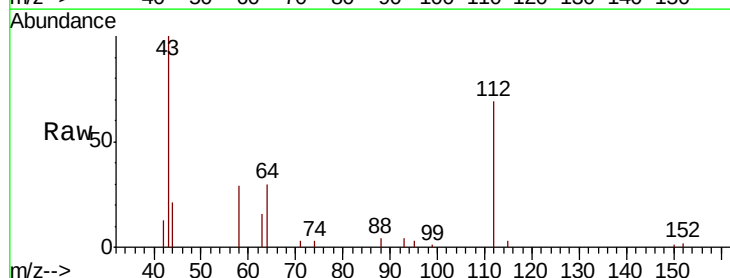
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



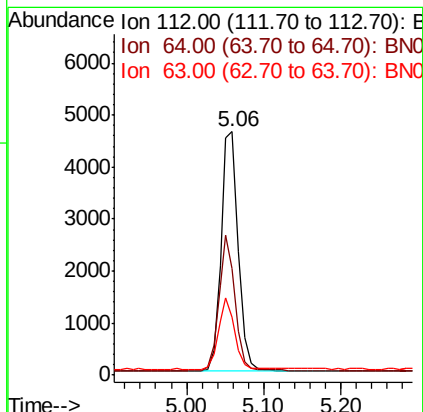
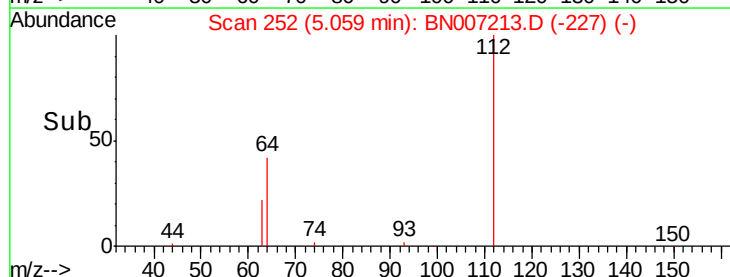
#3

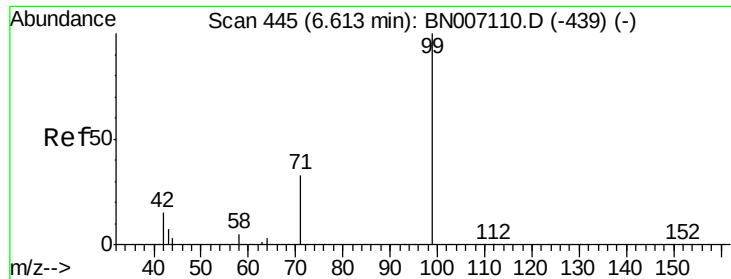
2-Fluorophenol
Concen: 0.427 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion:112 Resp: 7202
Ion Ratio Lower Upper
112 100
64 52.5 42.6 63.8
63 28.1 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: 0.460 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampleId :

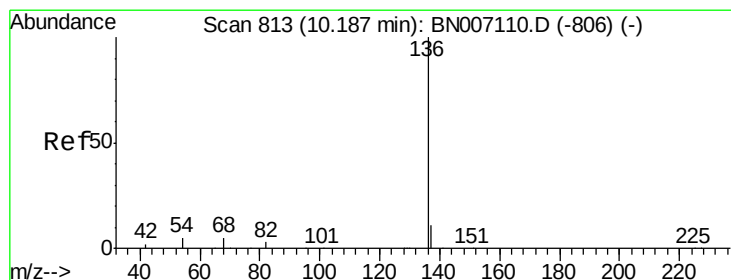
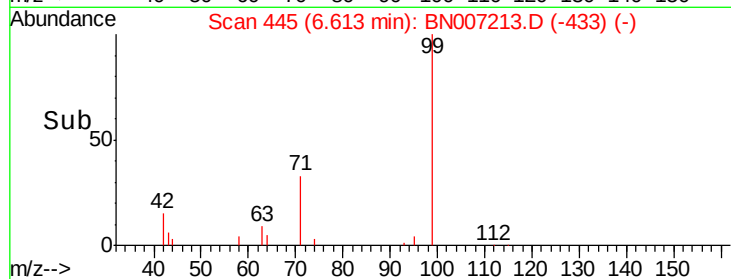
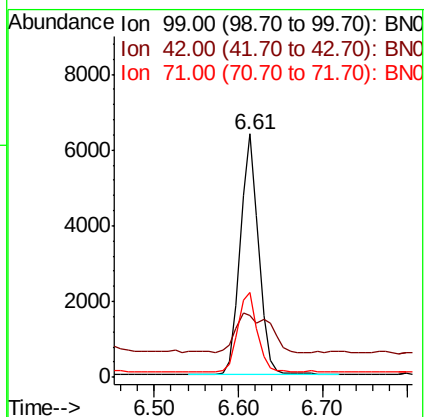
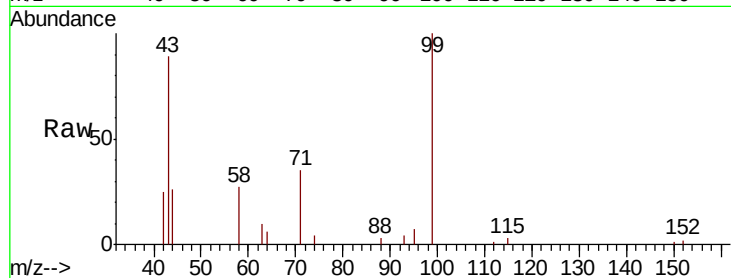
Tot Ion: 99 Resp: 9621

Ion Ratio Lower Upper

99 100

42 29.5 15.8 23.6#

71 34.3 27.0 40.4



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Tgt Ion: 136 Resp: 26619

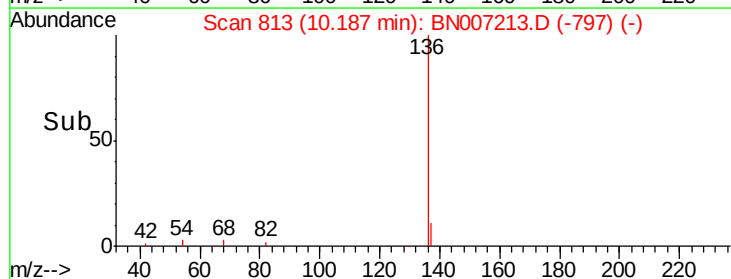
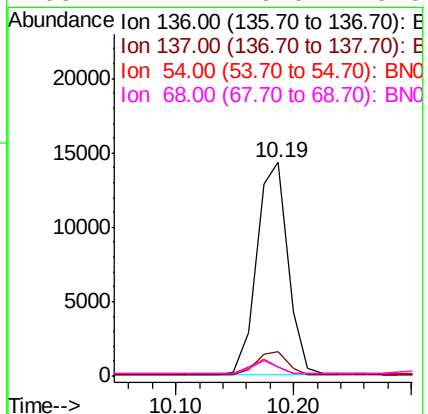
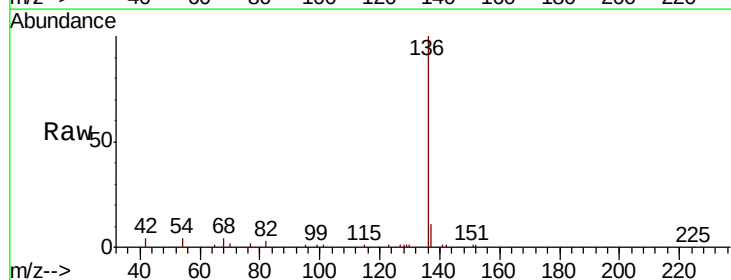
Ion Ratio Lower Upper

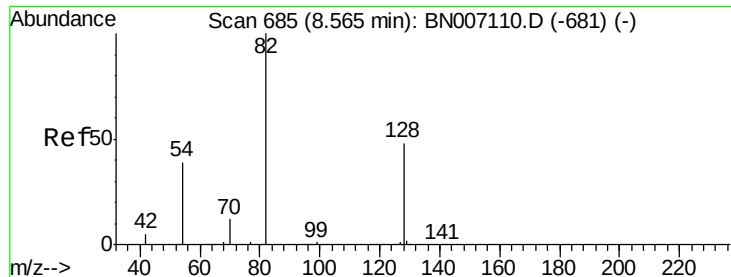
136 100

137 11.5 9.4 14.0

54 4.4 6.6 9.8#

68 4.4 6.0 9.0#





#7

Nitrobenzene-d5

Concen: 0.374 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampleId :

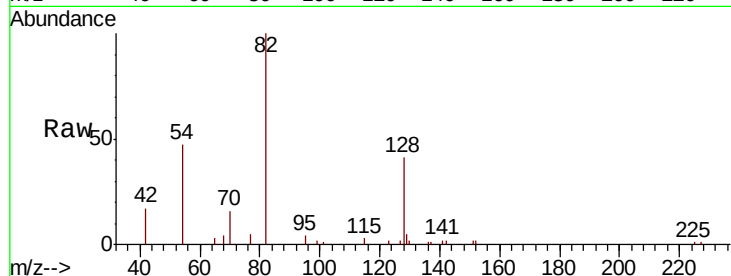
Tot Ion: 82 Resp: 8023

Ion Ratio Lower Upper

82 100

128 40.8 34.6 51.8

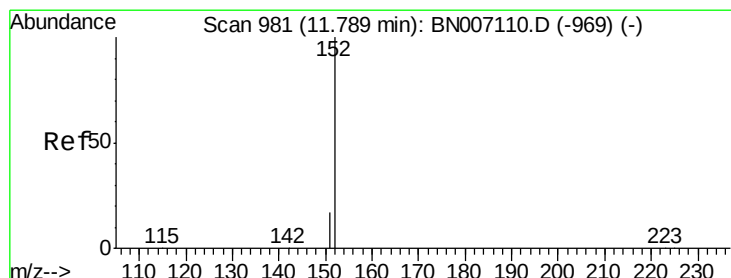
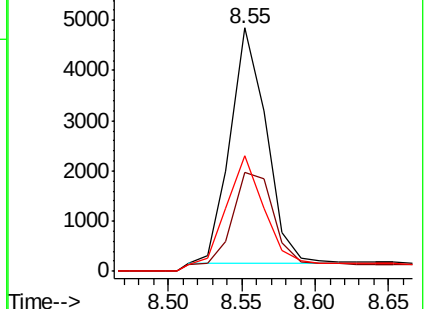
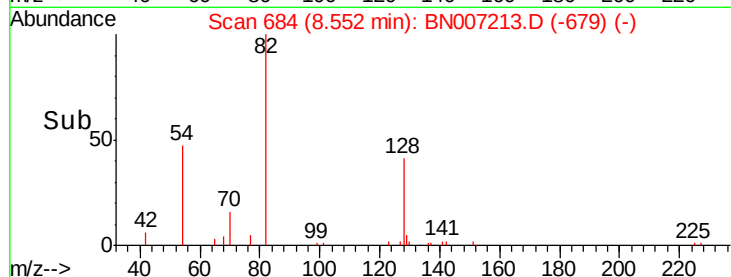
54 47.3 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007213.D (-679) (-)

Ion 128.00 (127.70 to 128.70): BN007213.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007213.D (-679) (-)



#10

2-Methylnaphthalene-d10

Concen: 0.346 ng

RT: 11.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BN007213.D

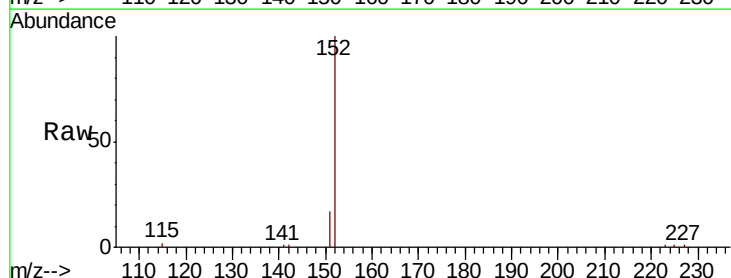
Acq: 16 Aug 2019 01:10

Tgt Ion: 152 Resp: 17195

Ion Ratio Lower Upper

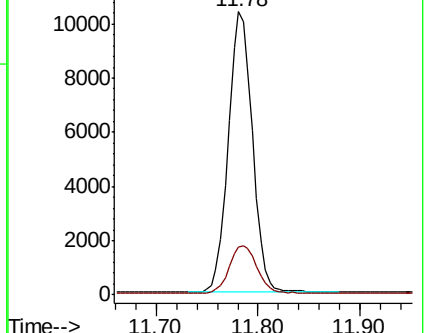
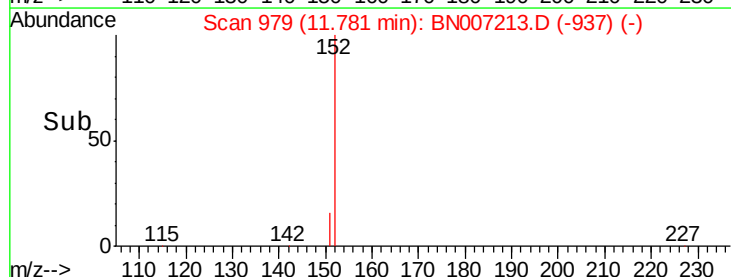
152 100

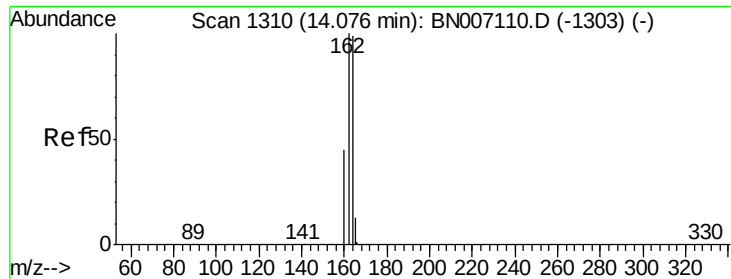
151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN007213.D (-937) (-)

Ion 151.00 (150.70 to 151.70): BN007213.D (-937) (-)





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampled :

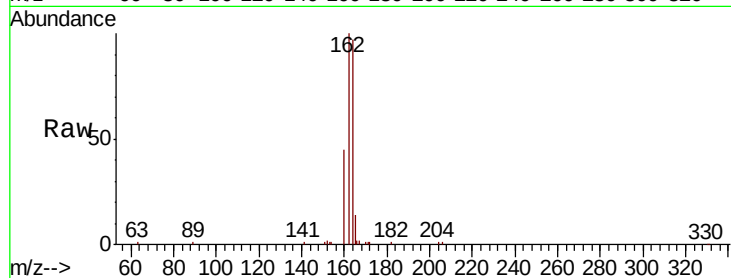
Tot Ion:164 Resp: 15440

Ion Ratio Lower Upper

164 100

162 103.2 82.2 123.4

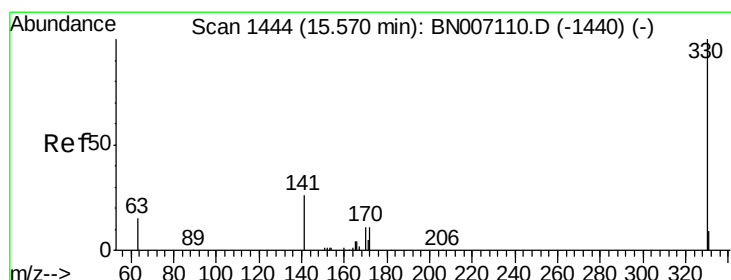
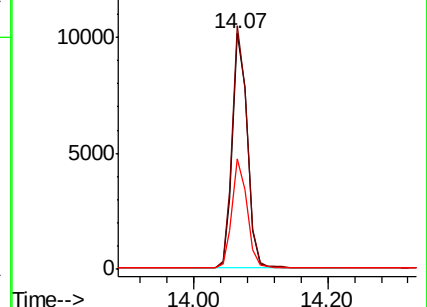
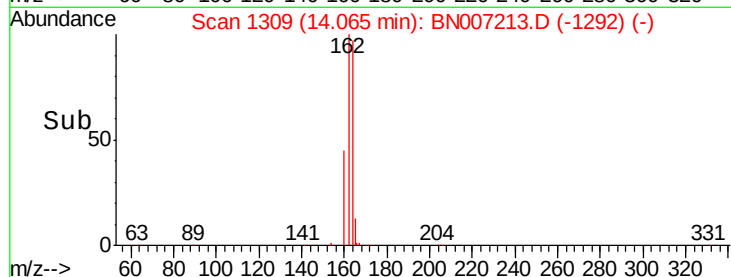
160 46.8 38.3 57.5



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: 0.116 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

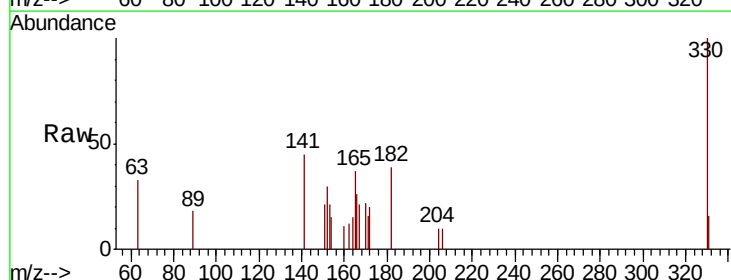
Tgt Ion:330 Resp: 968

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

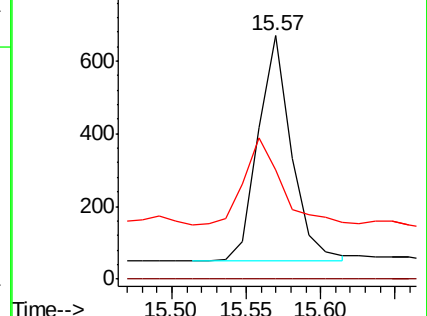
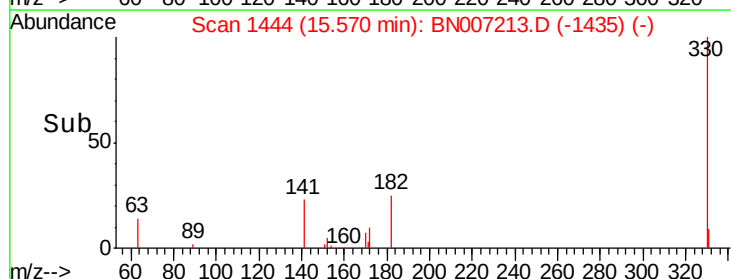
141 43.4 33.6 50.4

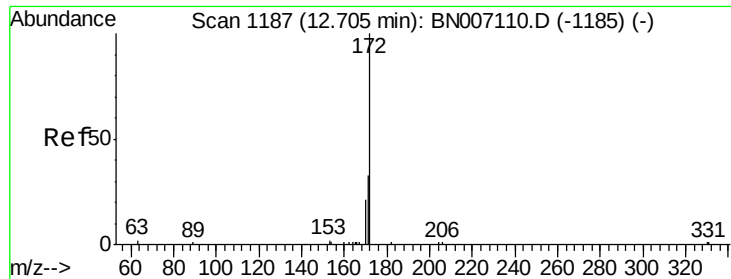


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

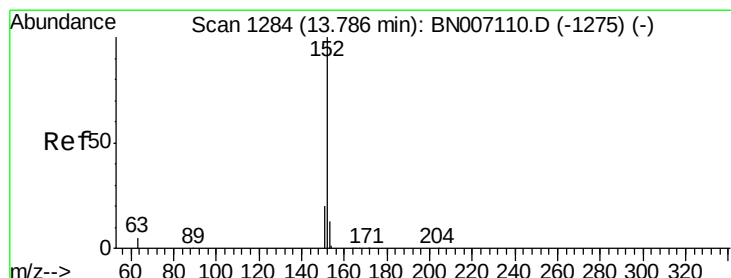
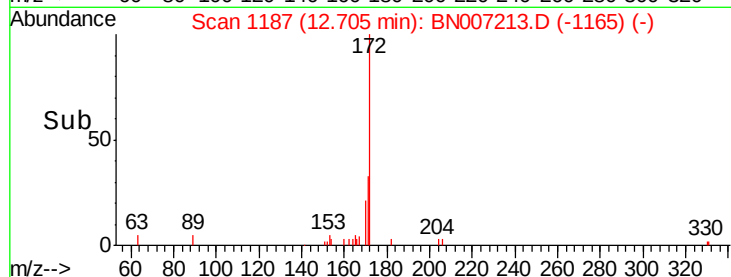
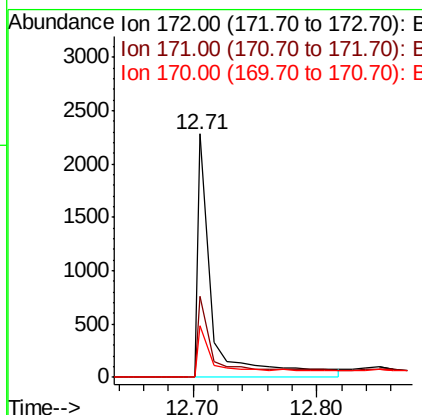
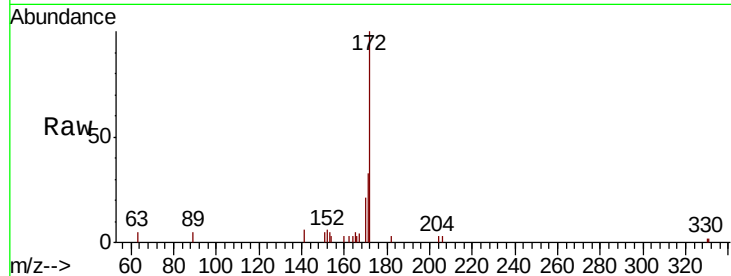




#14
2-Fluorobiphenyl
Concen: 0.095 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

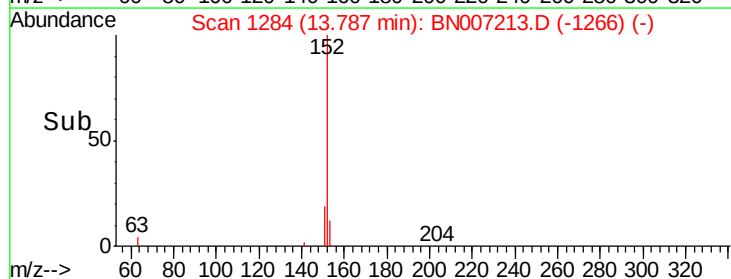
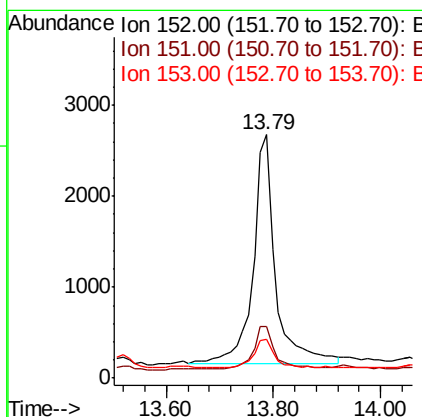
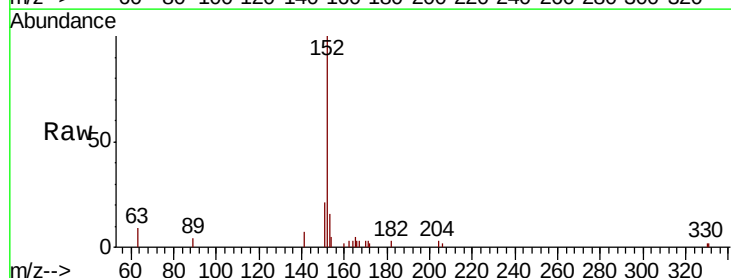
Instrument :
BNA_N
ClientSampleId :

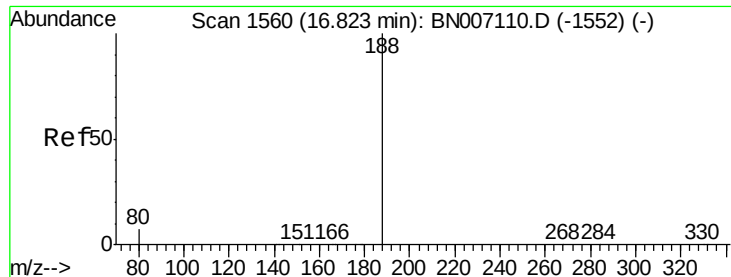
Tot Ion:172 Resp: 2132
Ion Ratio Lower Upper
172 100
171 33.4 26.3 39.5
170 21.1 17.0 25.4



#15
Acenaphthylene
Concen: 0.089 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion:152 Resp: 7218
Ion Ratio Lower Upper
152 100
151 18.7 15.8 23.6
153 12.1 10.4 15.6

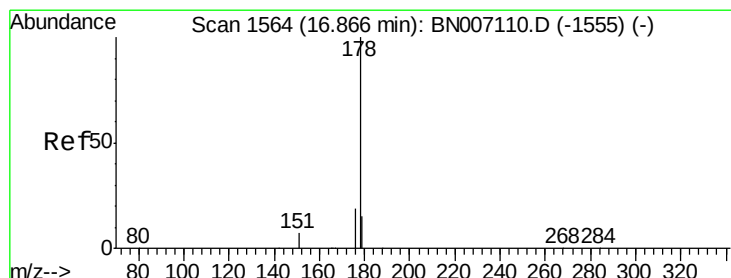
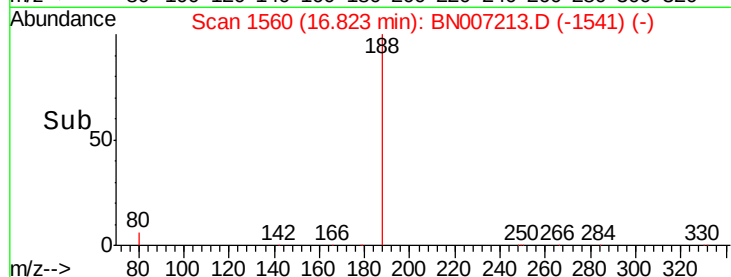
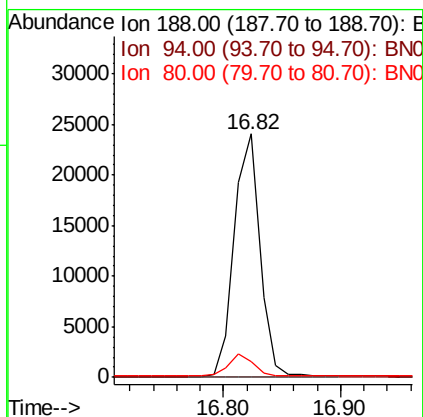
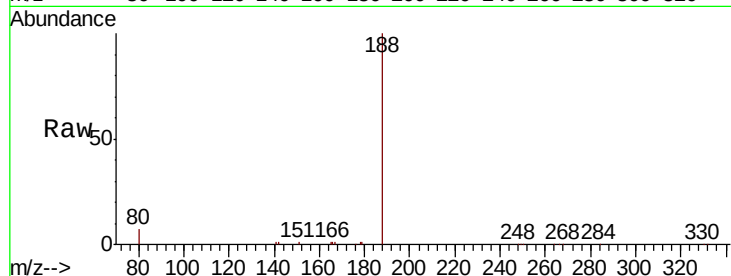




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

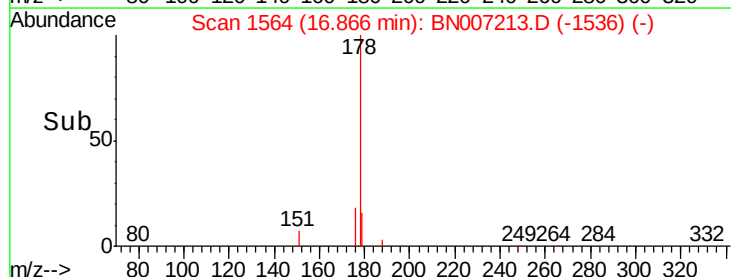
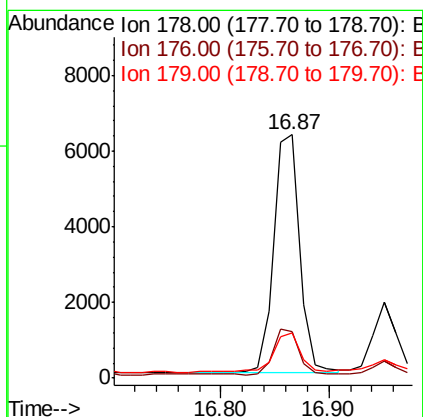
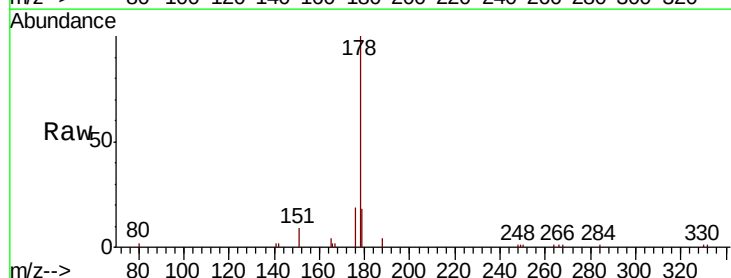
Instrument :
BNA_N
ClientSampleId :

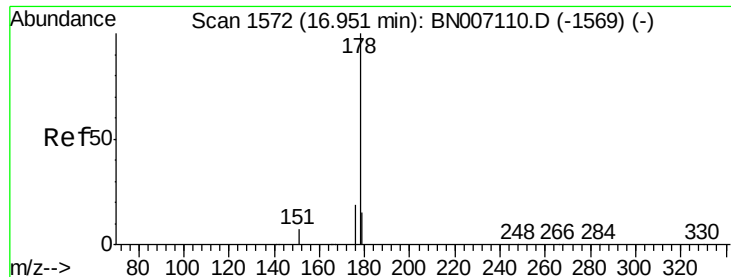
Tot Ion:188 Resp: 36360
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.6 7.8 11.6#



#22
Phenanthrene
Concen: 0.096 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion:178 Resp: 10480
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 16.9 12.3 18.5





#23

Anthracene

Concen: 0.026 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampleId :

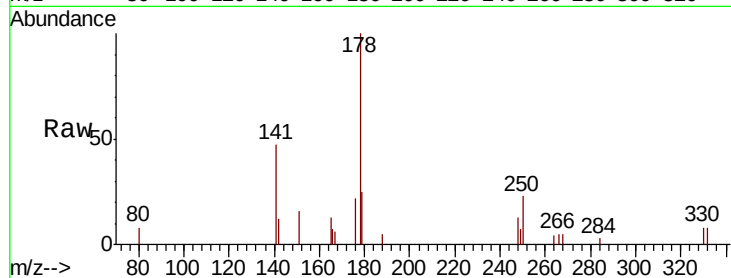
Tot Ion:178 Resp: 2596

Ion Ratio Lower Upper

178 100

176 19.2 14.6 21.8

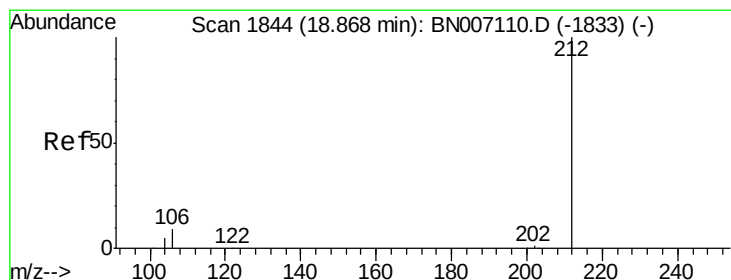
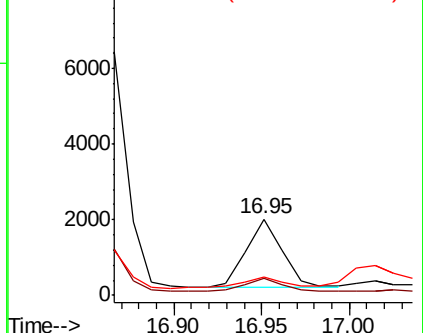
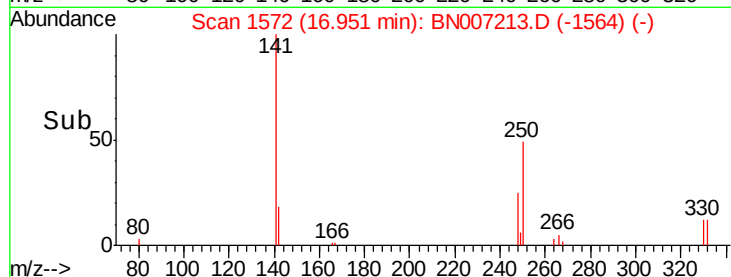
179 21.7 12.5 18.7#



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: 0.343 ng

RT: 18.86 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

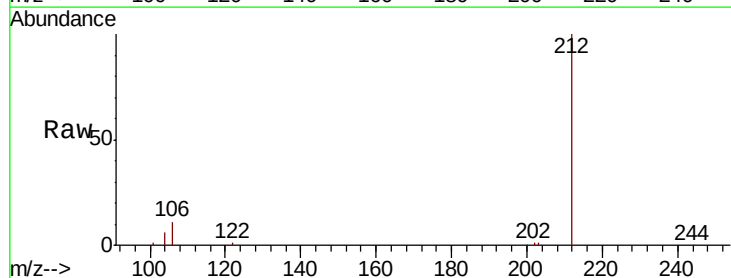
Tgt Ion:212 Resp: 44287

Ion Ratio Lower Upper

212 100

106 10.7 8.2 12.2

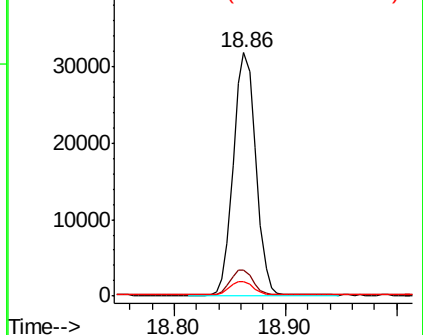
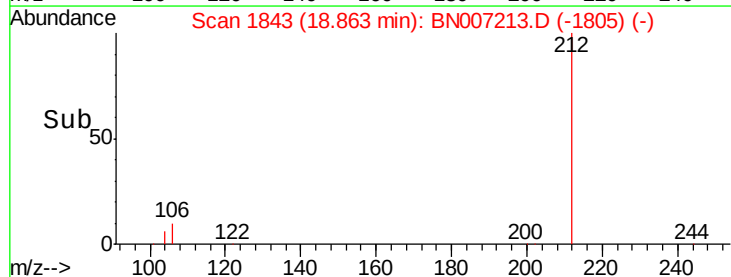
104 5.9 4.5 6.7

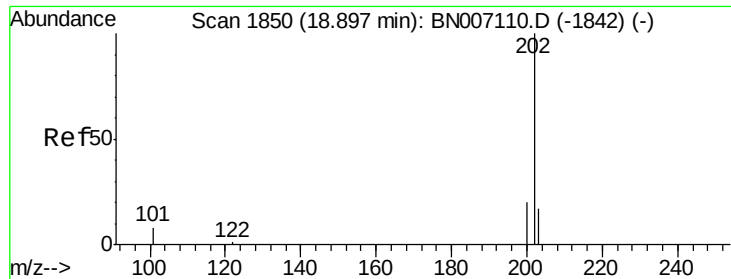


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.195 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampled :

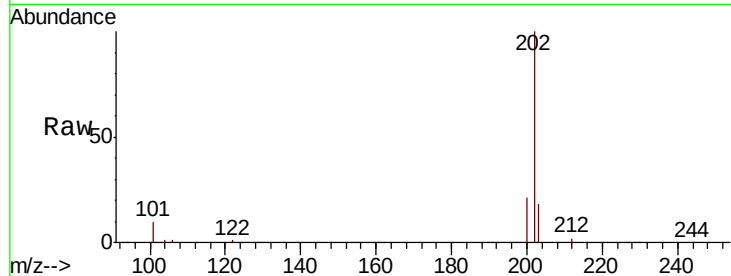
Tot Ion:202 Resp: 27188

Ion Ratio Lower Upper

202 100

101 9.3 7.0 10.4

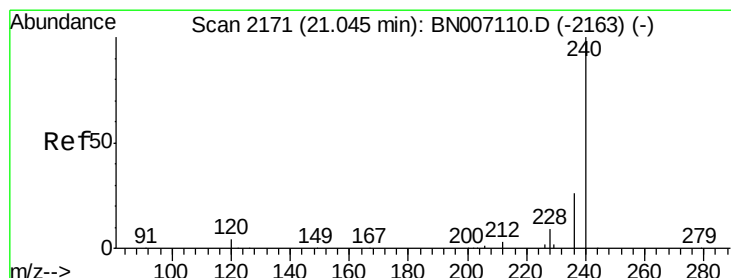
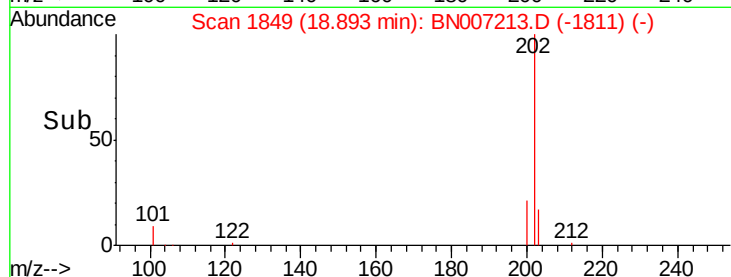
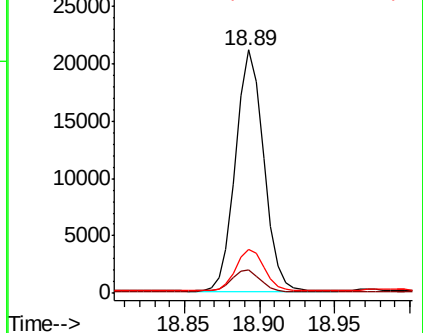
203 17.6 13.8 20.8



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: BN007213.D

Acq: 16 Aug 2019 01:10

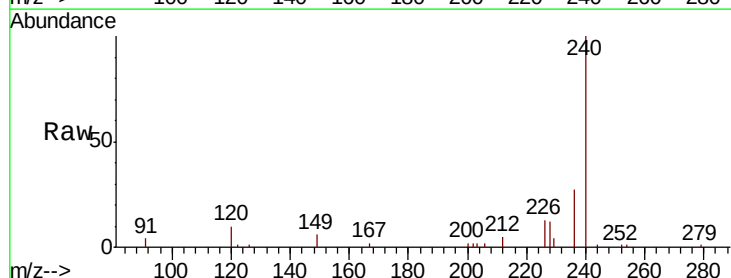
Tgt Ion:240 Resp: 35708

Ion Ratio Lower Upper

240 100

120 9.7 4.0 6.0#

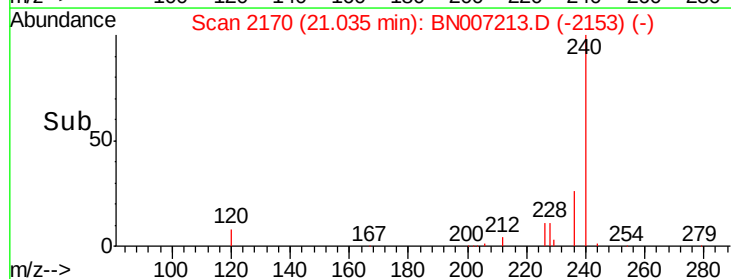
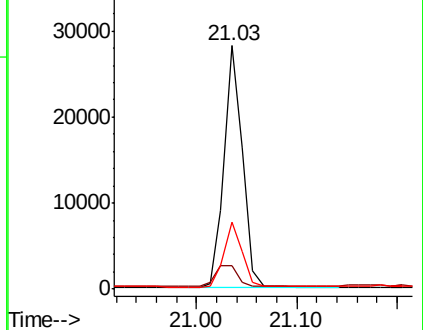
236 27.4 21.3 31.9

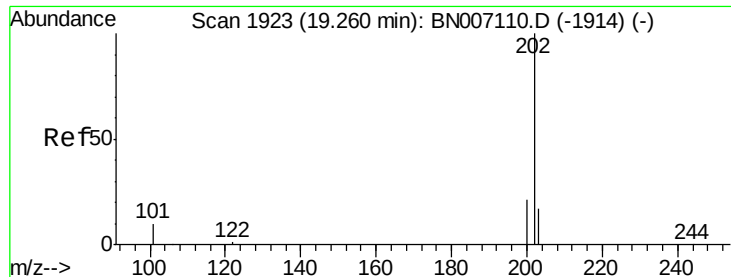


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.197 ng

RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampleId :

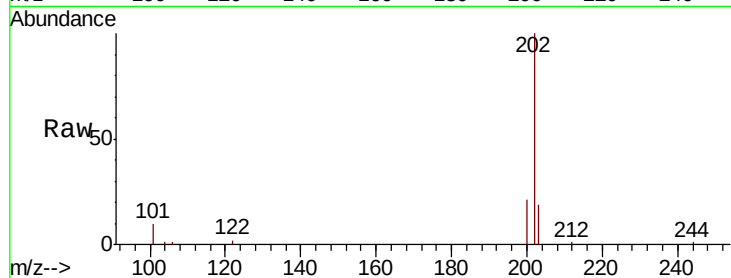
Tot Ion:202 Resp: 24624

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

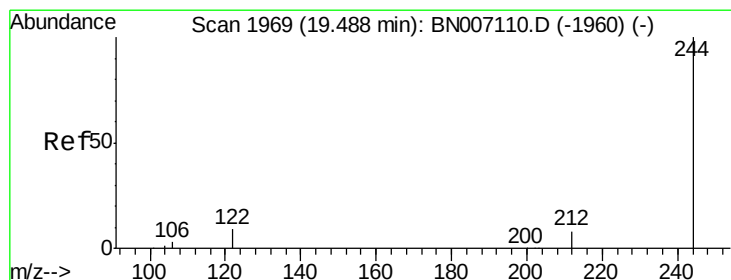
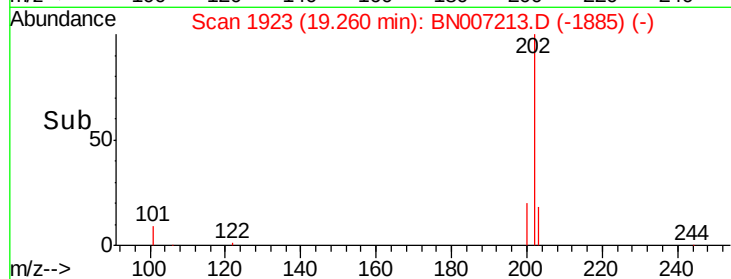
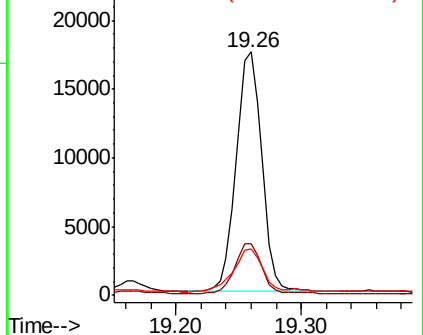
203 21.6 14.0 21.0#



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: 0.361 ng

RT: 19.48 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

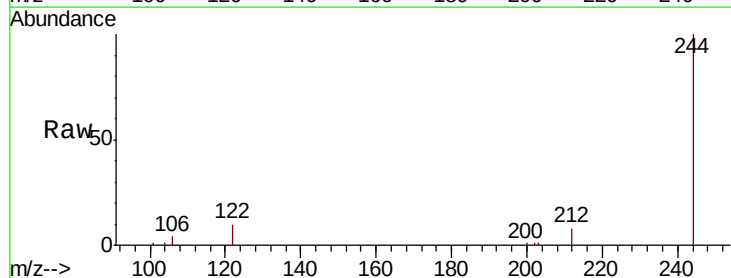
Tgt Ion:244 Resp: 35123

Ion Ratio Lower Upper

244 100

212 8.0 6.2 9.2

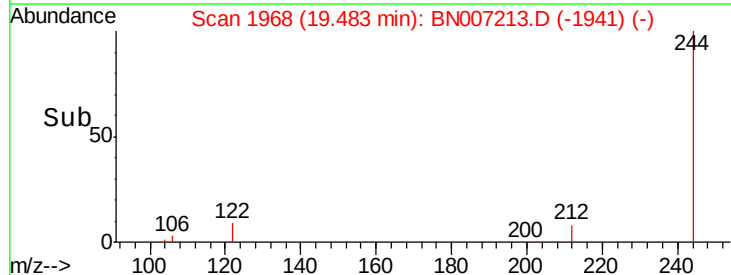
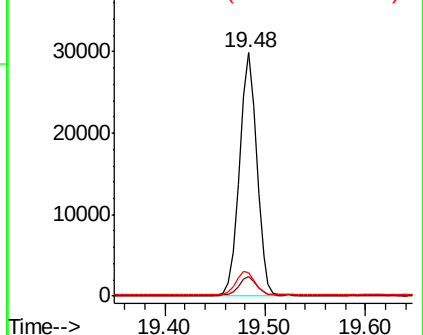
122 9.6 7.4 11.2

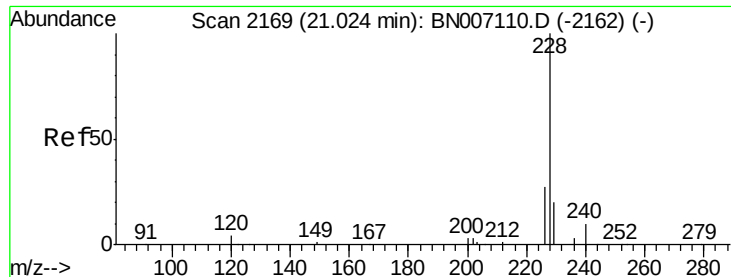


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.133 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampleId :

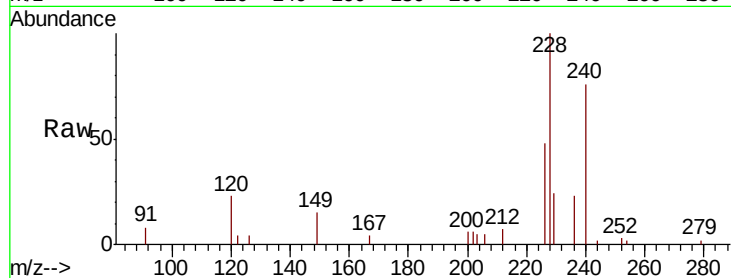
Tot Ion:228 Resp: 17355

Ion Ratio Lower Upper

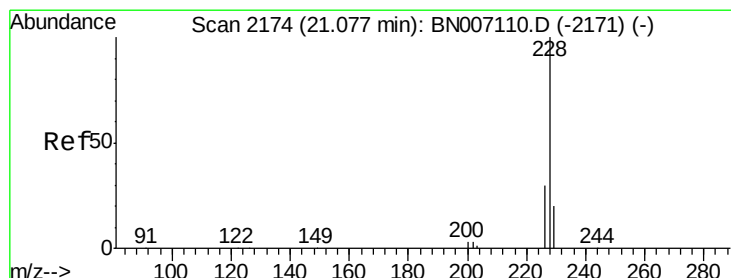
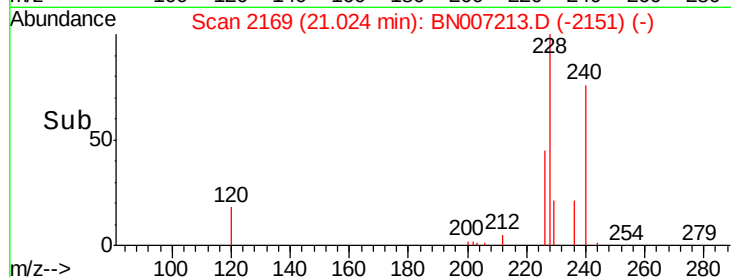
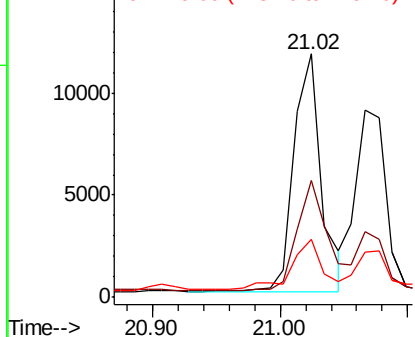
228 100

226 47.9 21.8 32.6#

229 23.7 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: 0.113 ng

RT: 21.07 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

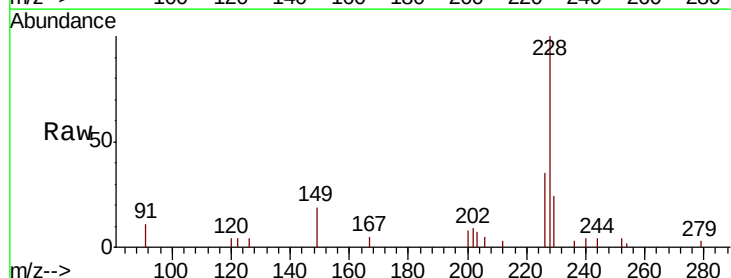
Tgt Ion:228 Resp: 14351

Ion Ratio Lower Upper

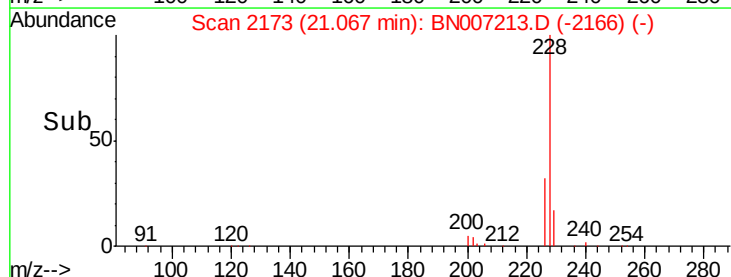
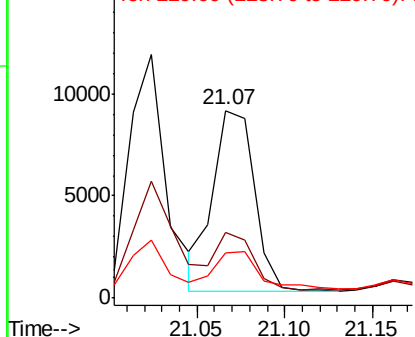
228 100

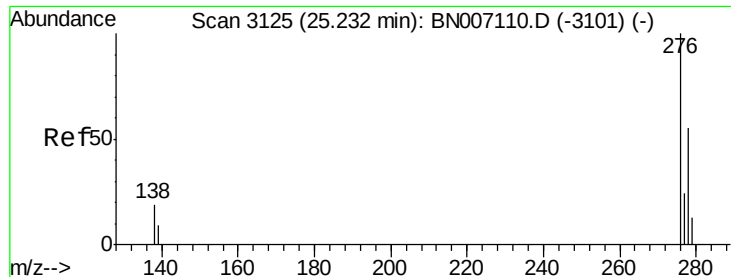
226 35.0 23.8 35.6

229 24.1 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

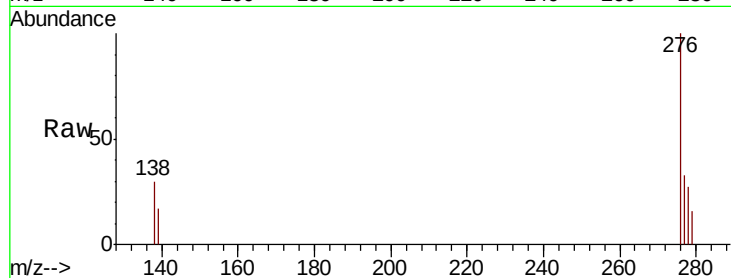




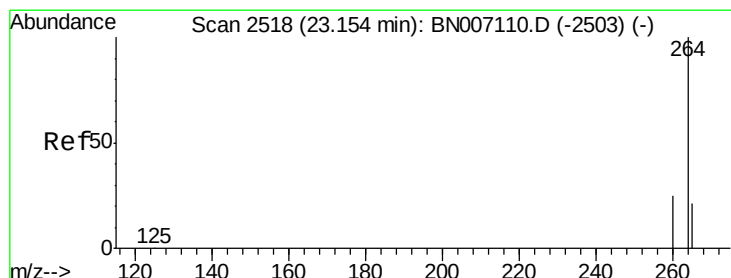
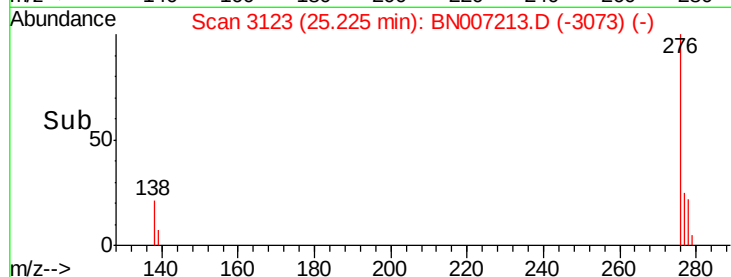
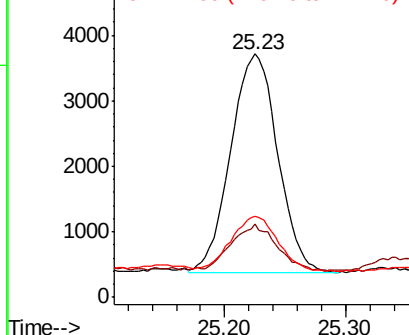
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.064 ng
 RT: 25.23 min Scan# 3123
 Delta R.T. -0.03 min
 Lab File: BN007213.D
 Acq: 16 Aug 2019 01:10

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 8997
 Ion Ratio Lower Upper
 276 100
 138 22.0 16.0 24.0
 277 25.9 19.9 29.9

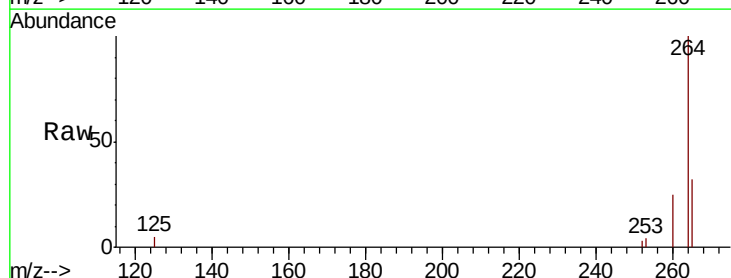


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

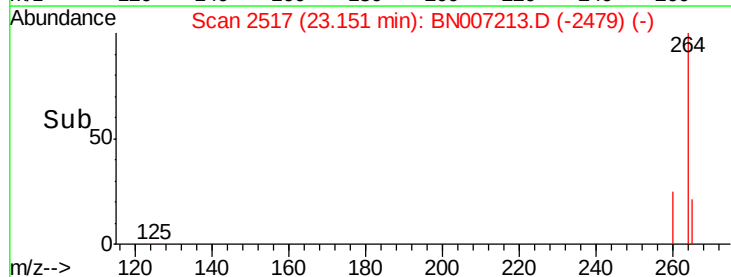
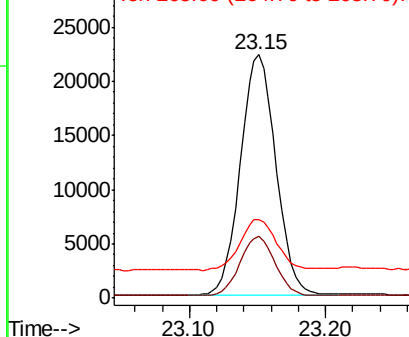


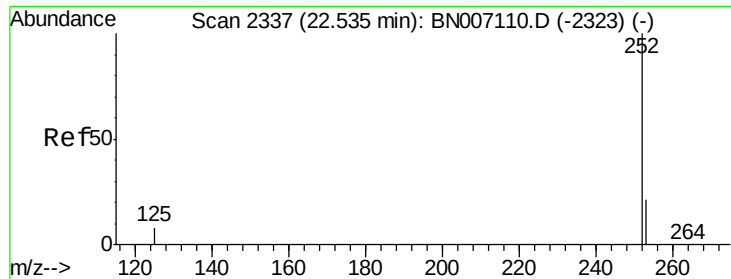
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2517
 Delta R.T. -0.02 min
 Lab File: BN007213.D
 Acq: 16 Aug 2019 01:10

Tgt Ion:264 Resp: 40030
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.8 29.8
 265 32.4 26.2 39.4



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

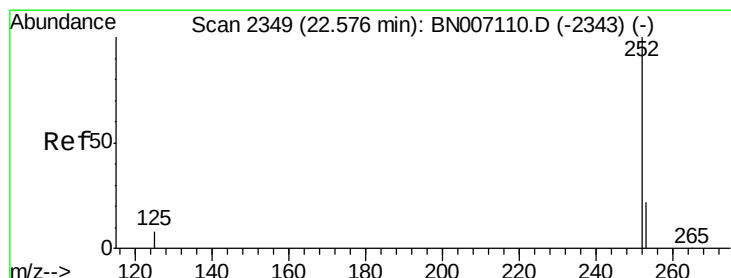
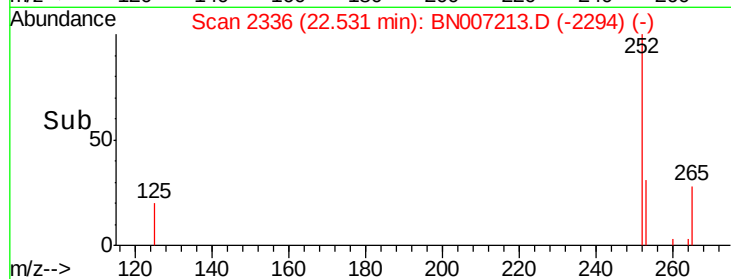
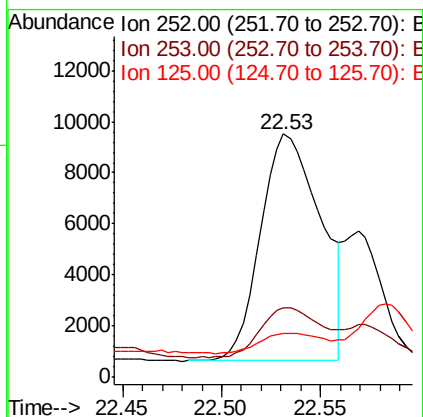
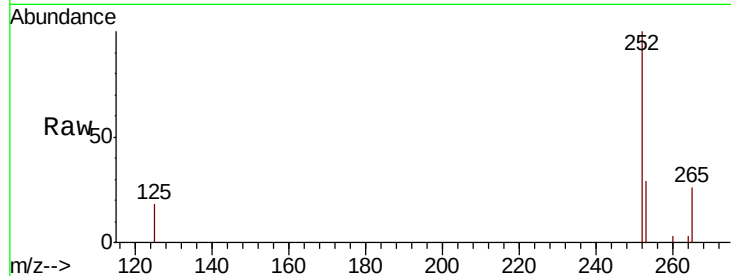




#33
Benzo(b)fluoranthene
Concen: 0.136 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.02 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

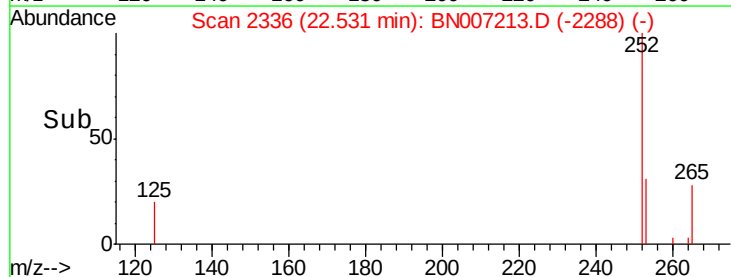
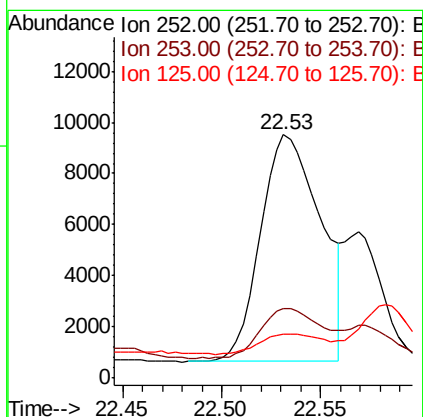
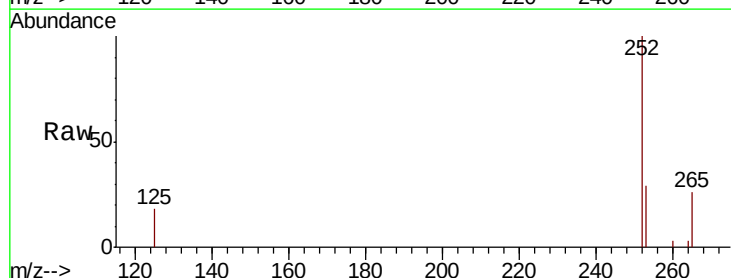
Instrument :
BNA_N
ClientSampleId :

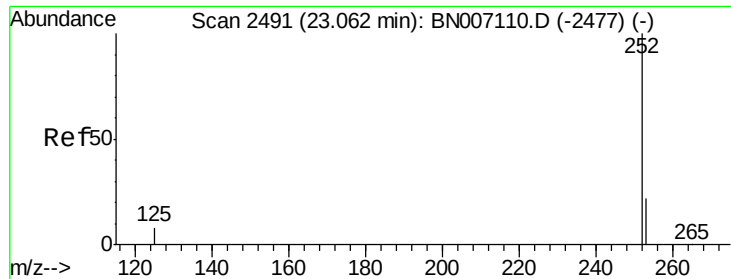
Tot Ion:252 Resp: 18713
Ion Ratio Lower Upper
252 100
253 28.5 18.2 27.2#
125 18.2 7.4 11.0#



#34
Benzo(k)fluoranthene
Concen: 0.138 ng
RT: 22.53 min Scan# 2336
Delta R.T. -0.06 min
Lab File: BN007213.D
Acq: 16 Aug 2019 01:10

Tgt Ion:252 Resp: 18713
Ion Ratio Lower Upper
252 100
253 28.5 18.1 27.1#
125 18.2 7.4 11.0#





#35

Benzo(a)pyrene

Concen: 0.109 ng

RT: 23.06 min Scan# 2490

Delta R.T. -0.02 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

Instrument :

BNA_N

ClientSampled :

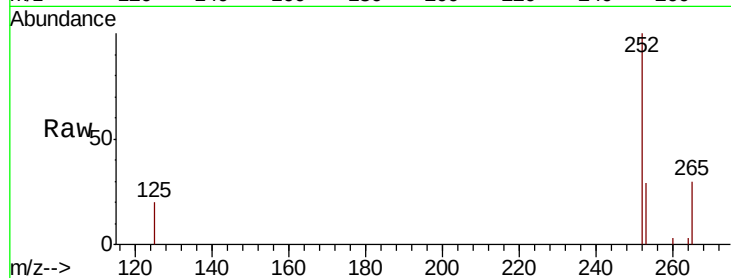
Tot Ion:252 Resp: 13614

Ion Ratio Lower Upper

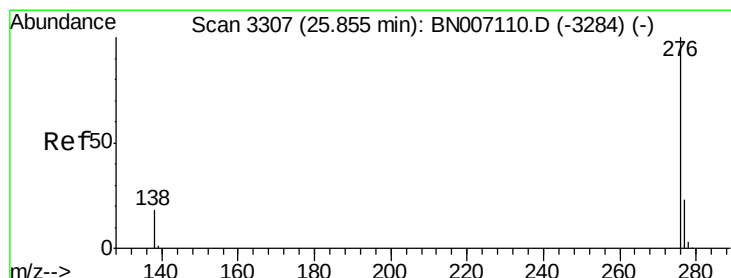
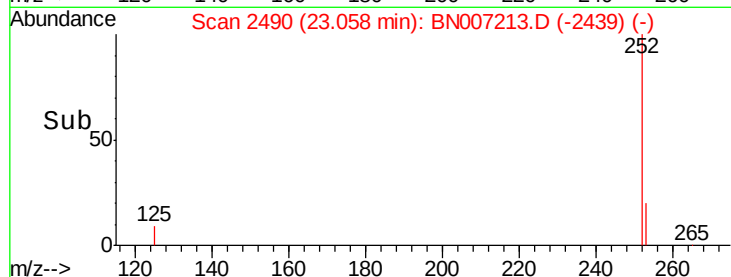
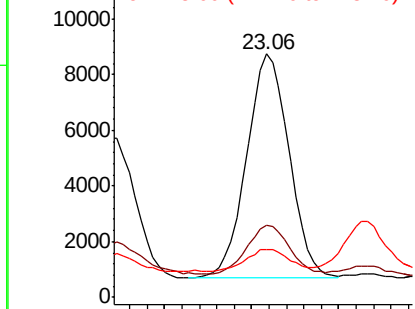
252 100

253 29.4 18.5 27.7#

125 19.7 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(g,h,i)perylene

Concen: 0.066 ng

RT: 25.85 min Scan# 3306

Delta R.T. -0.03 min

Lab File: BN007213.D

Acq: 16 Aug 2019 01:10

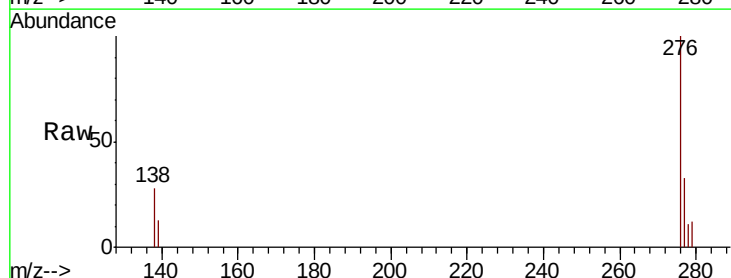
Tgt Ion:276 Resp: 8400

Ion Ratio Lower Upper

276 100

277 32.8 19.8 29.8#

138 28.4 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

