

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007065.D
 Acq On : 11 Aug 2019 01:23
 Operator : HP/JU
 Sample : K4239-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:39:16 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

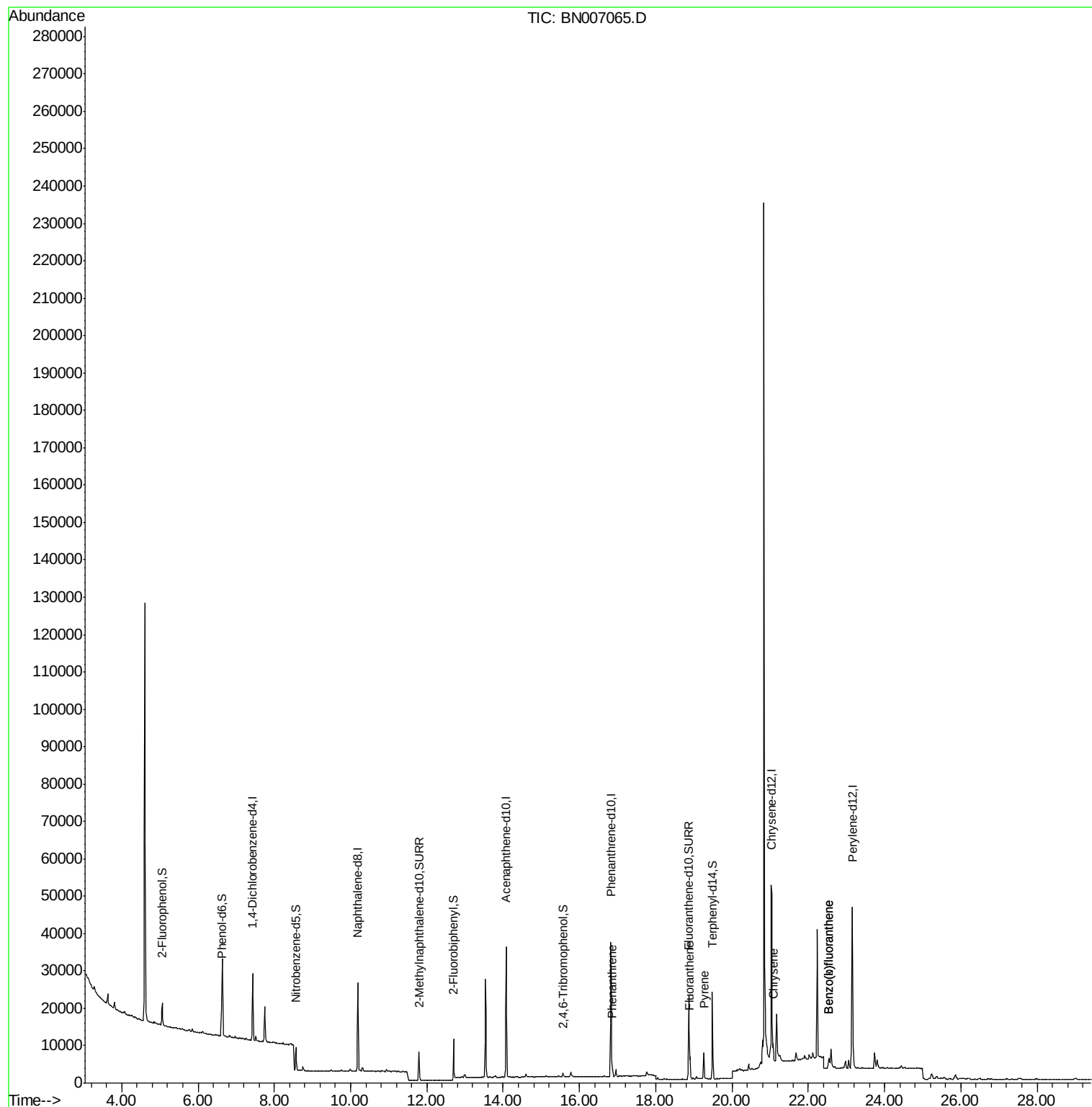
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8538	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32247	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	18638	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	47421	0.40	ng	0.00
26) Chrysene-d12	21.05	240	48859	0.40	ng	-0.01
32) Perylene-d12	23.15	264	54227	0.40	ng	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.06	112	4775	0.23	ng	0.00
4) Phenol-d6	6.61	99	6459	0.25	ng	0.00
7) Nitrobenzene-d5	8.56	82	4917	0.19	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	10954	0.18	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	623	0.06	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4688	0.17	ng	0.00
24) Fluoranthene-d10	18.87	212	26612	0.16	ng	0.00
28) Terphenyl-d14	19.49	244	23734	0.18	ng	-0.01
Target Compounds						Qvalue
22) Phenanthrene	16.87	178	3685	0.026	ng	96
25) Fluoranthene	18.90	202	5957	0.033	ng	99
27) Pyrene	19.26	202	6735	0.039	ng	97
30) Chrysene	21.08	228	4099	0.024	ng	# 92
33) Benzo(b)fluoranthene	22.54	252	4445	0.024	ng	# 56
34) Benzo(k)fluoranthene	22.54	252	4445	0.024	ng	# 56

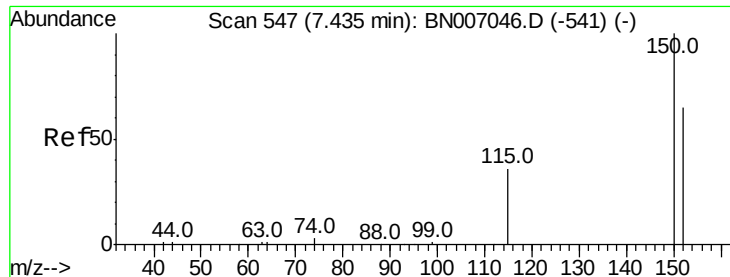
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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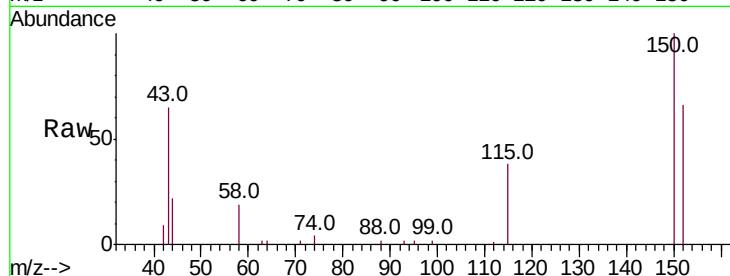


#1

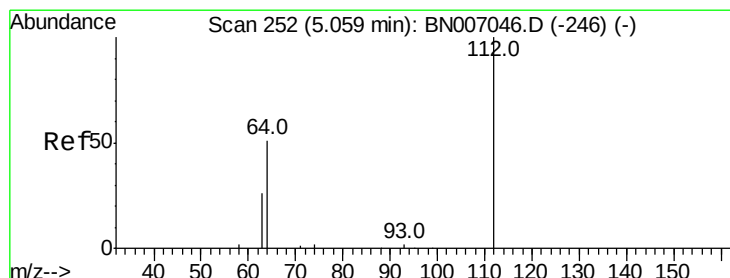
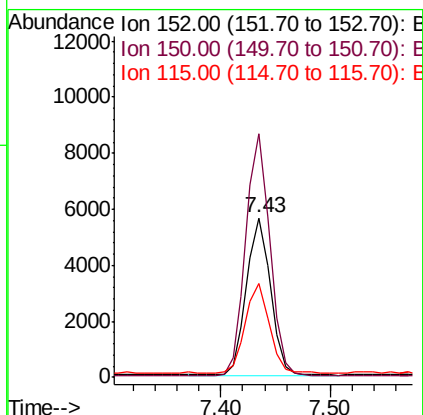
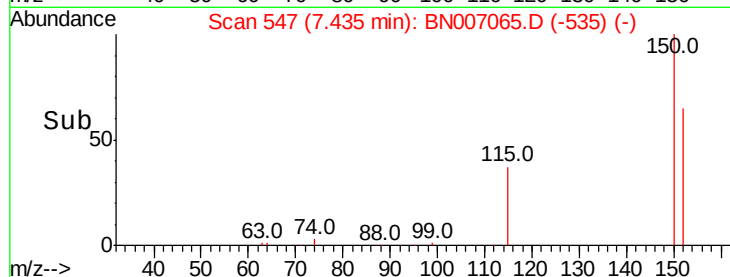
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007065.D
Acq: 11 Aug 2019 01:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 8538
Ion Ratio Lower Upper
152 100
150 152.7 121.7 182.5
115 58.6 46.2 69.4



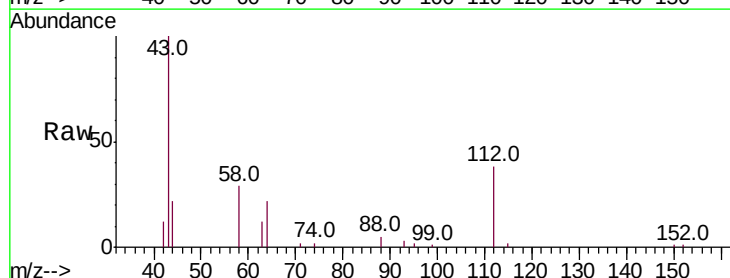
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



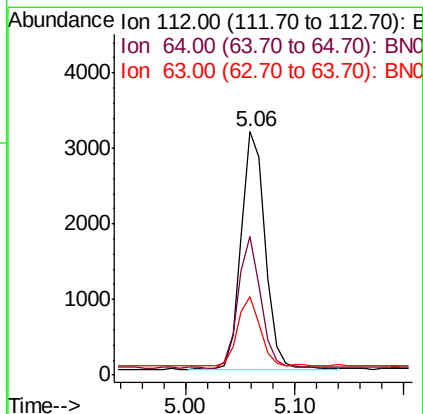
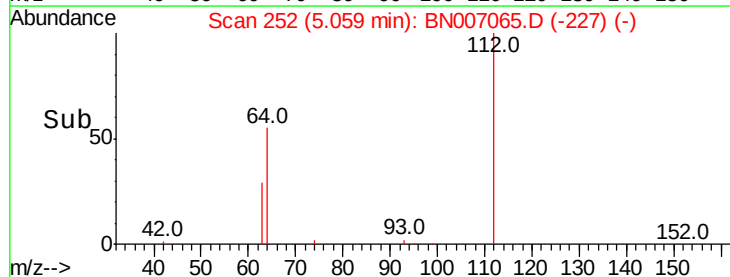
#3

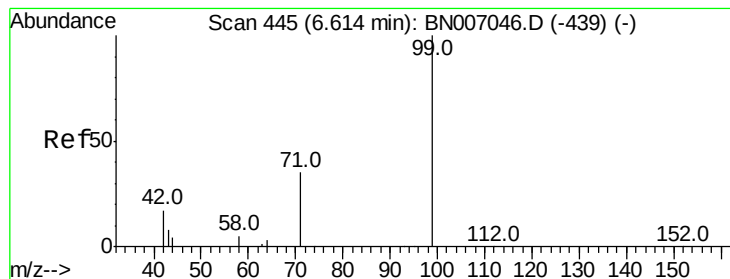
2-Fluorophenol
Concen: 0.233 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007065.D
Acq: 11 Aug 2019 01:23

Tgt Ion:112 Resp: 4775
Ion Ratio Lower Upper
112 100
64 53.0 42.6 63.8
63 28.5 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: 0.254 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Instrument :

BNA_N

ClientSampleId :

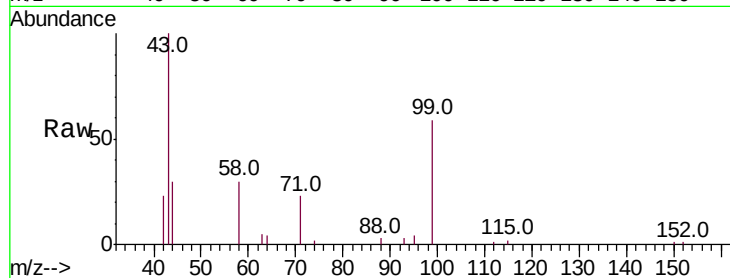
Tot Ion: 99 Resp: 6459

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

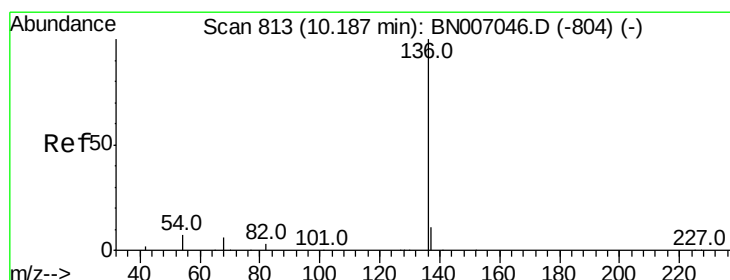
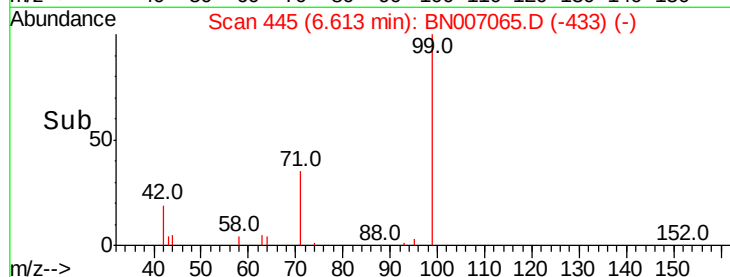
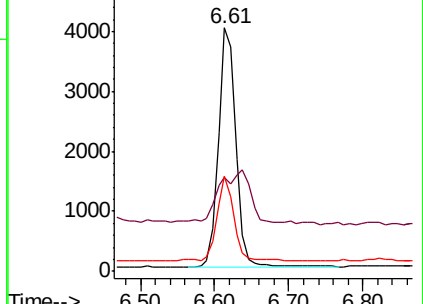
71 35.1 27.0 40.4



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: BN007065.D

Acq: 11 Aug 2019 01:23

Tgt Ion: 136 Resp: 32247

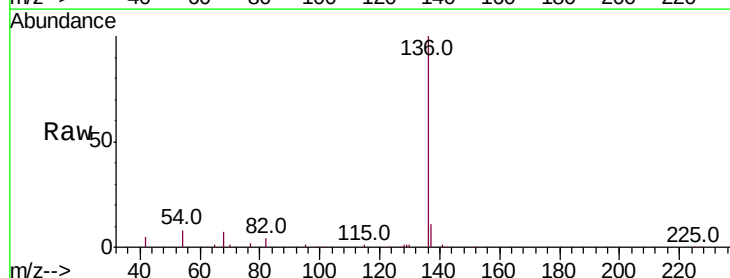
Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

54 7.7 6.6 9.8

68 6.9 6.0 9.0

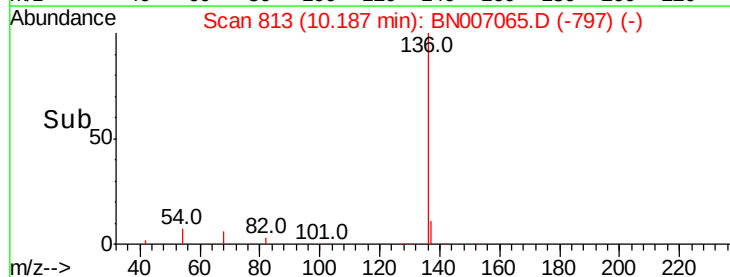
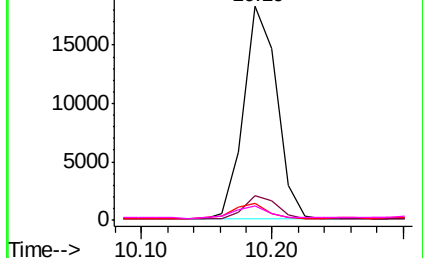


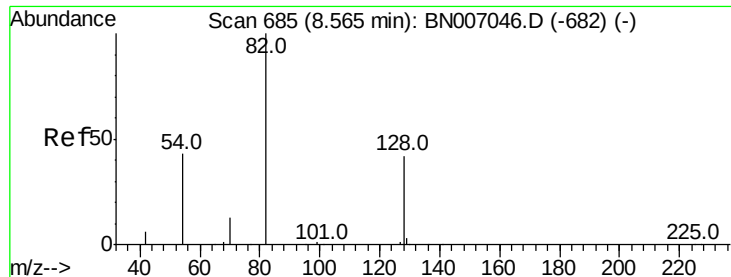
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

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: 0.189 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

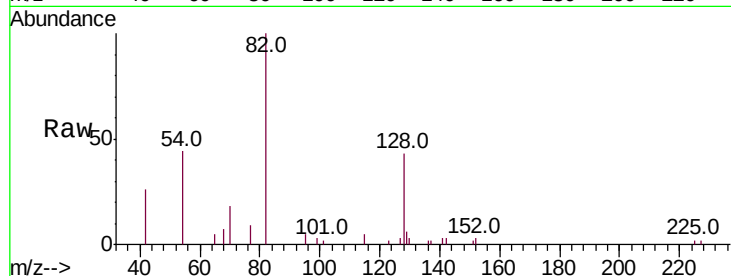
Instrument :

BNA_N

ClientSampleId :

Tot Ion: 82 Resp: 4917

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	51.8
54	44.4	36.2	54.4

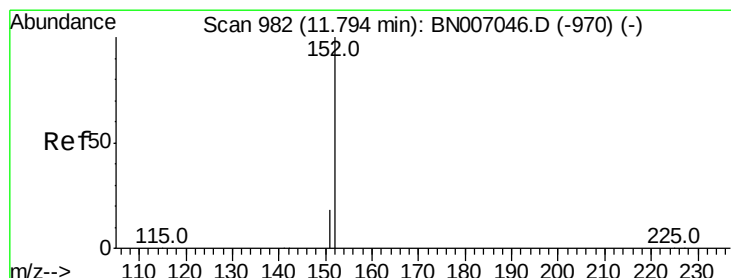
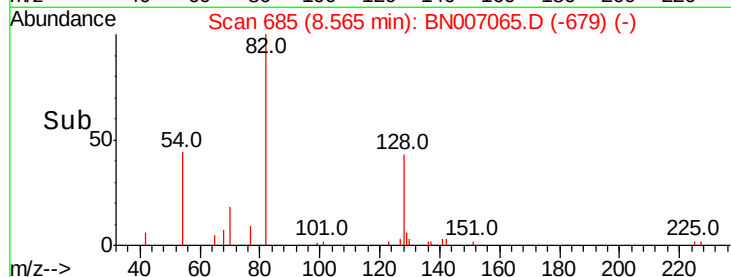
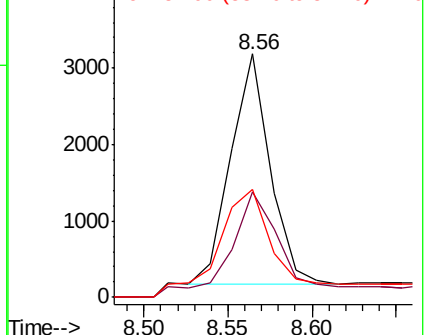


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#10

2-Methylnaphthalene-d10

Concen: 0.182 ng

RT: 11.79 min Scan# 982

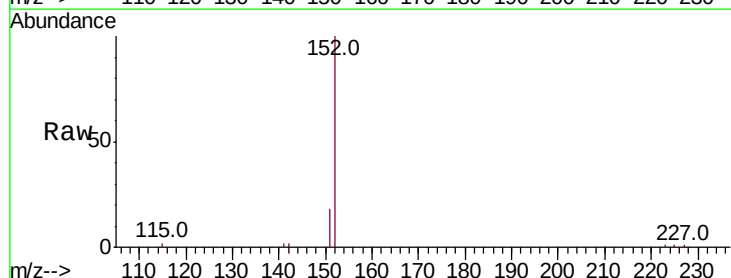
Delta R.T. -0.00 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Tgt Ion: 152 Resp: 10954

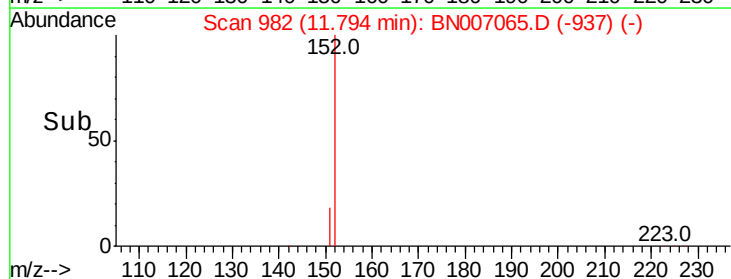
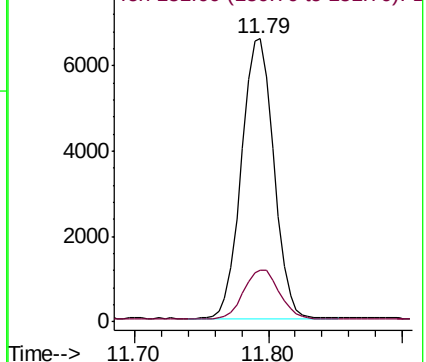
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

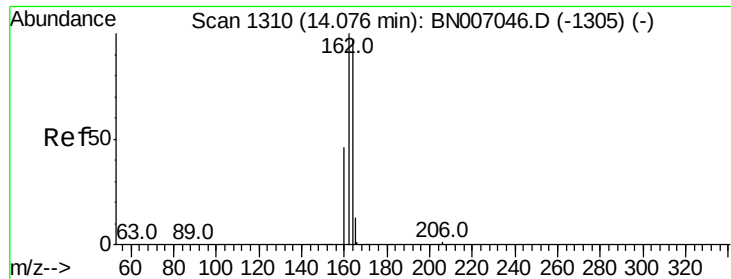


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Instrument :

BNA_N

ClientSampleId :

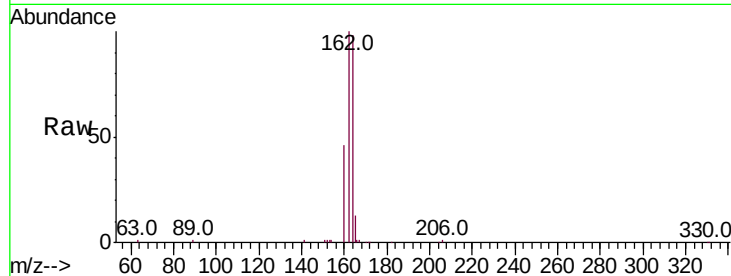
Tot Ion:164 Resp: 18638

Ion Ratio Lower Upper

164 100

162 102.5 82.2 123.4

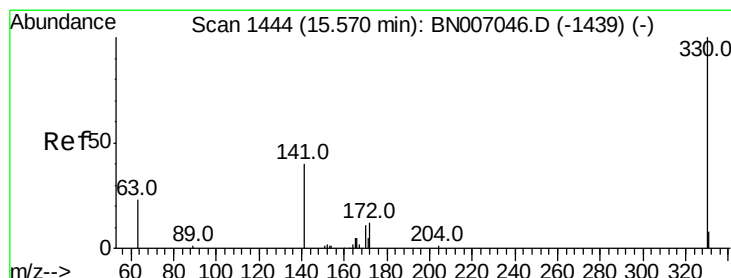
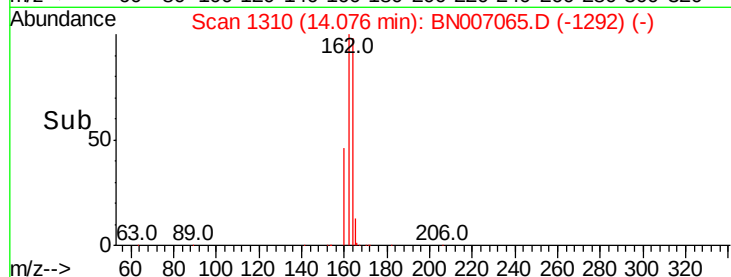
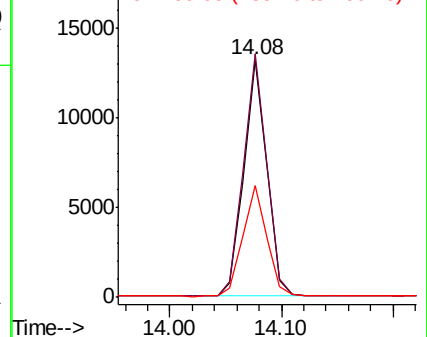
160 47.2 38.3 57.5



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: 0.062 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

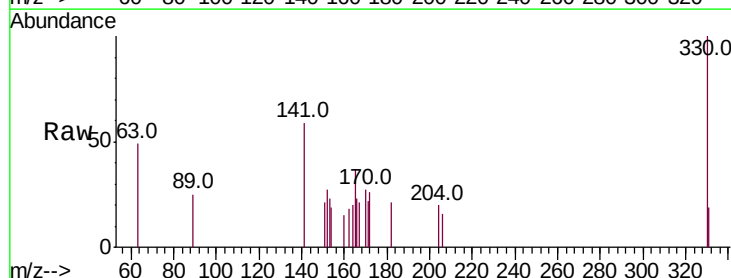
Tgt Ion:330 Resp: 623

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

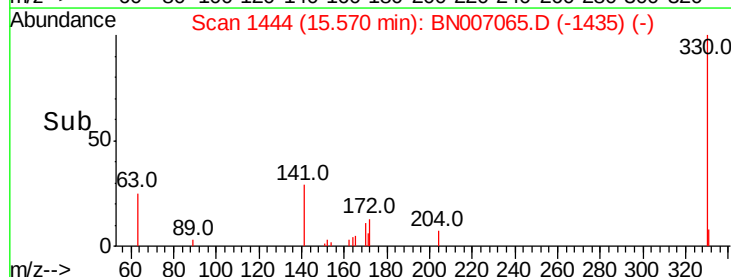
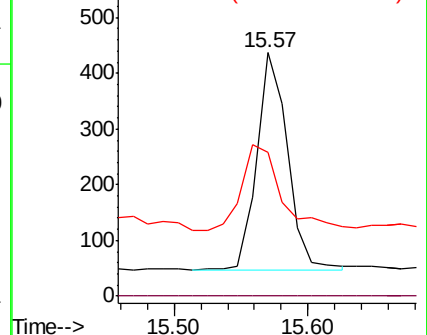
141 51.0 33.6 50.4#

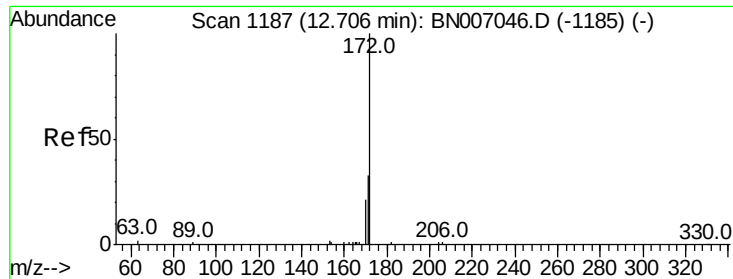


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

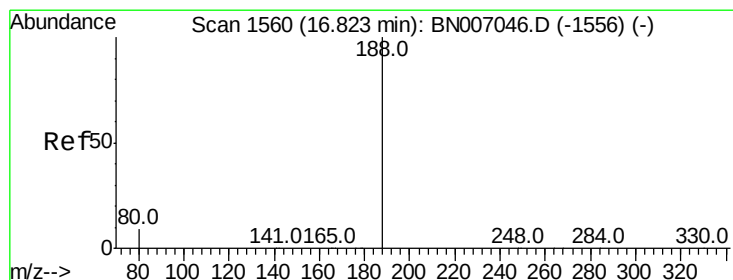
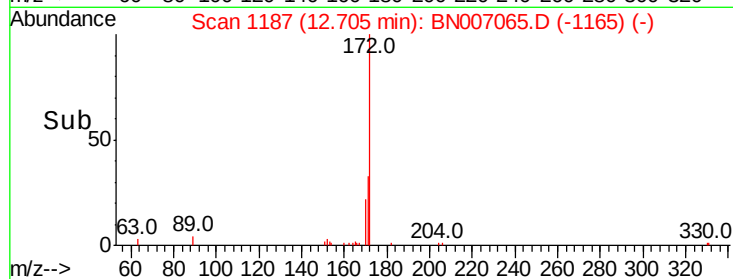
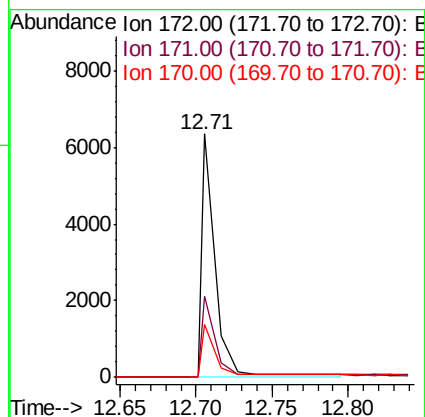
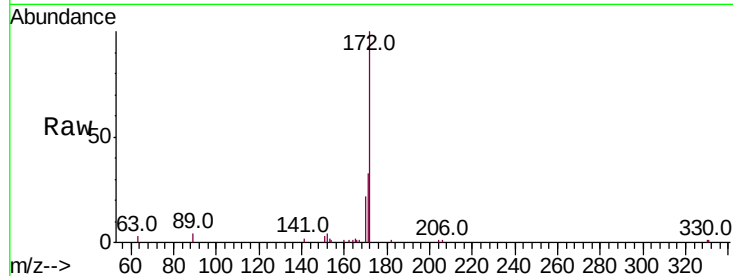




#14
 2-Fluorobiphenyl
 Concen: 0.173 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007065.D
 Acq: 11 Aug 2019 01:23

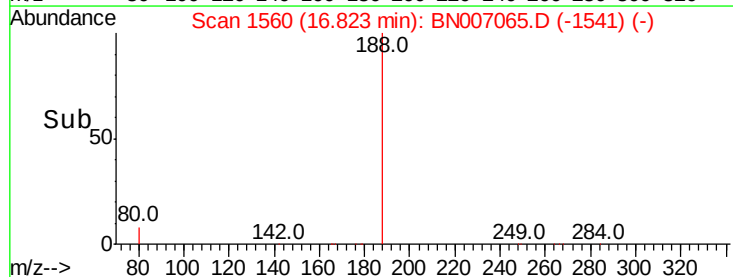
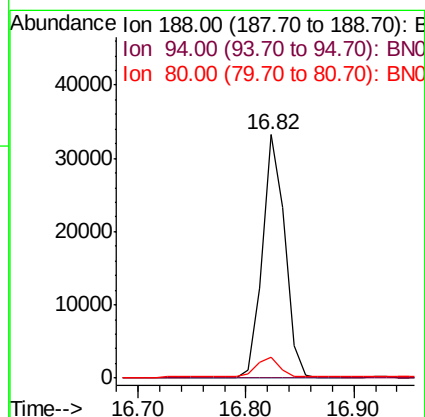
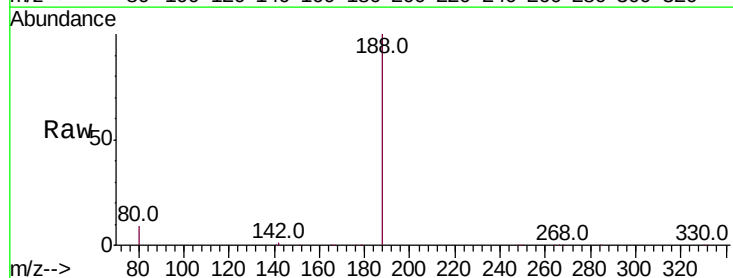
Instrument :
 BNA_N
 ClientSampleId :

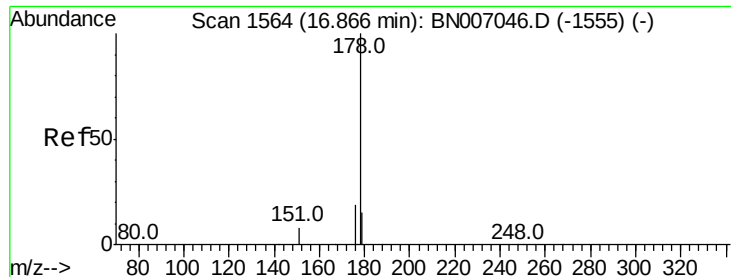
Tot Ion:172 Resp: 4688
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.3 39.5
 170 21.7 17.0 25.4



#18
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007065.D
 Acq: 11 Aug 2019 01:23

Tgt Ion:188 Resp: 47421
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.7 7.8 11.6





#22

Phenanthrene

Concen: 0.026 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

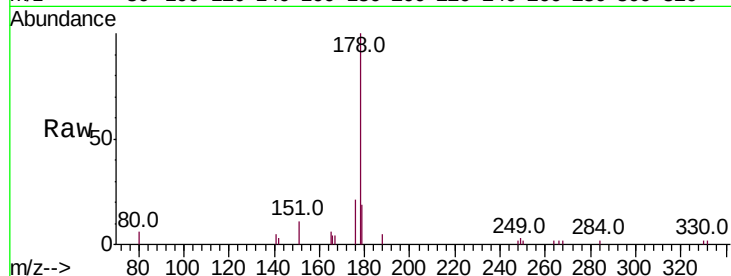
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 3685

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.2	22.8
179	16.9	12.3	18.5

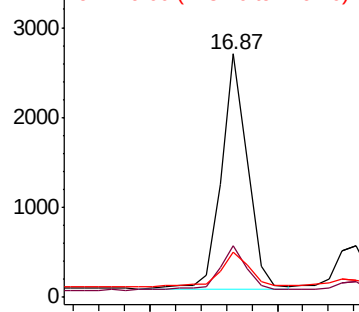


Abundance

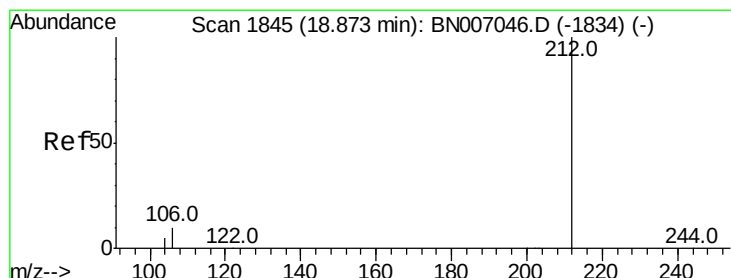
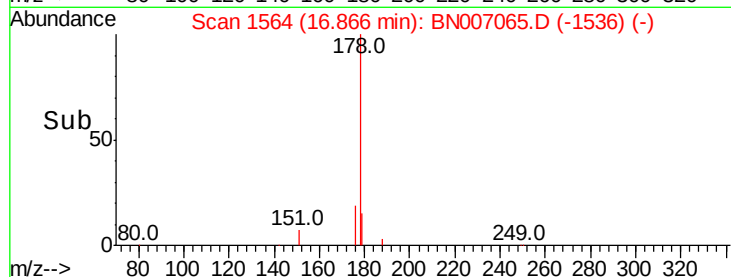
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Fluoranthene-d10

Concen: 0.158 ng

RT: 18.87 min Scan# 1844

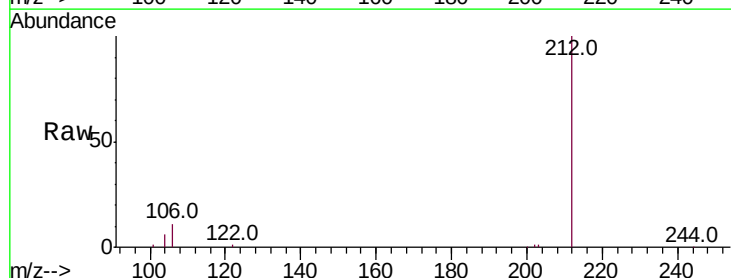
Delta R.T. -0.01 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Tgt Ion:212 Resp: 26612

Ion	Ratio	Lower	Upper
212	100		
106	10.0	8.2	12.2
104	5.6	4.5	6.7

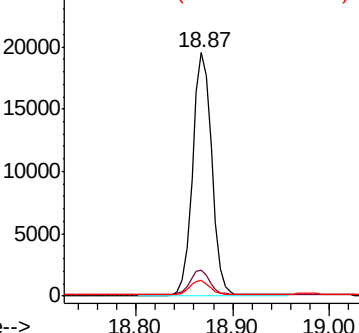


Abundance

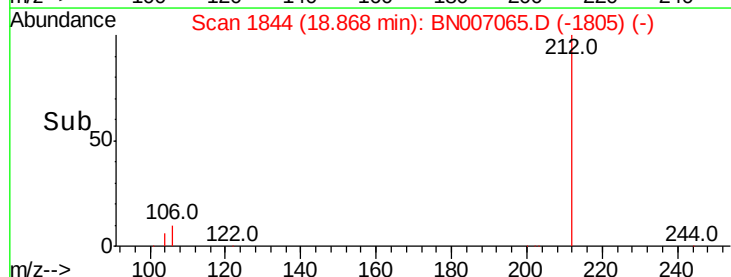
Ion 212.00 (211.70 to 212.70): E

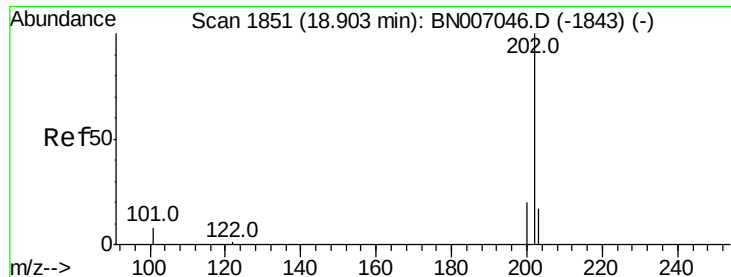
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#25

Fluoranthene

Concen: 0.033 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Instrument :

BNA_N

ClientSampleId :

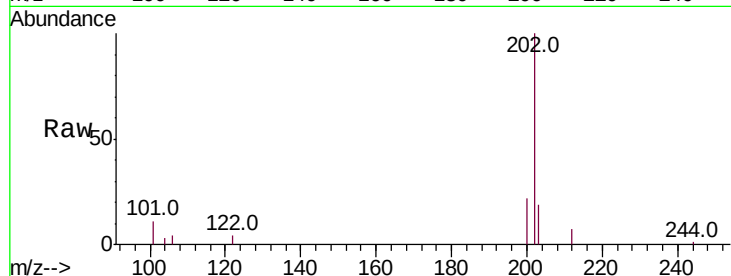
Tot Ion:202 Resp: 5957

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

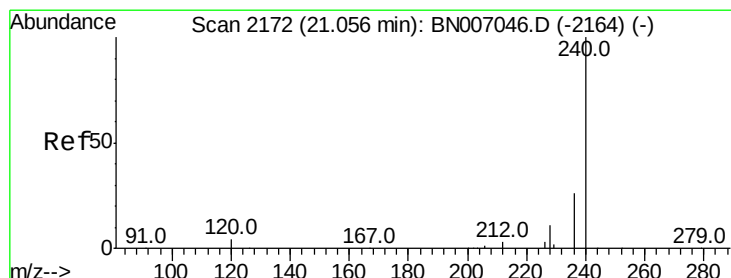
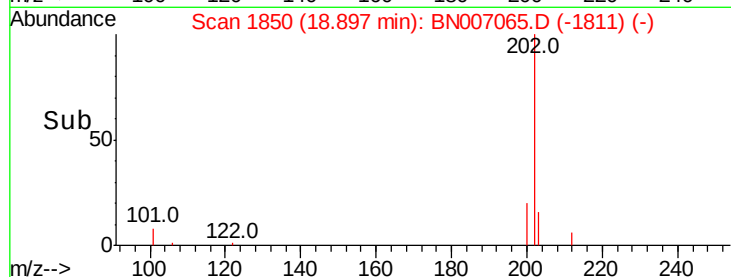
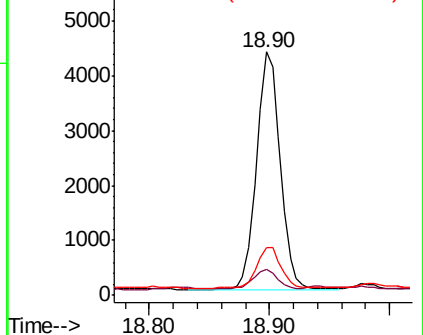
203 17.8 13.8 20.8



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: BN007065.D

Acq: 11 Aug 2019 01:23

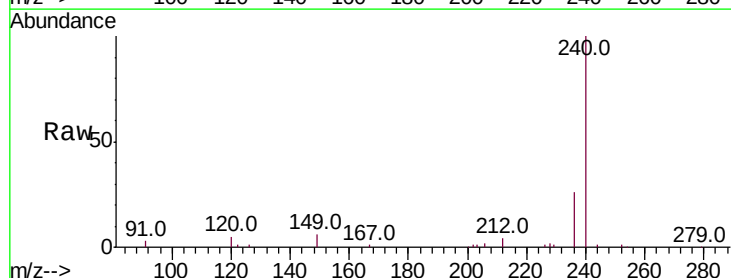
Tgt Ion:240 Resp: 48859

Ion Ratio Lower Upper

240 100

120 4.8 4.0 6.0

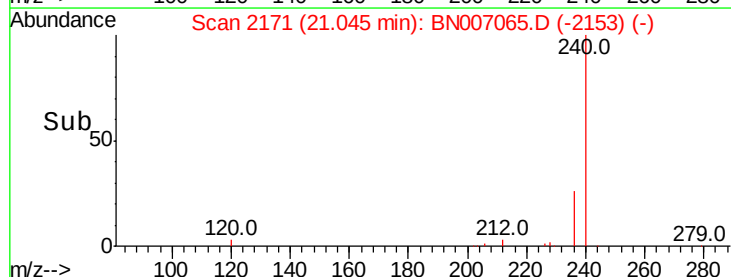
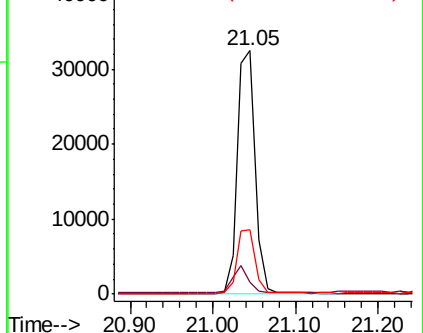
236 26.3 21.3 31.9

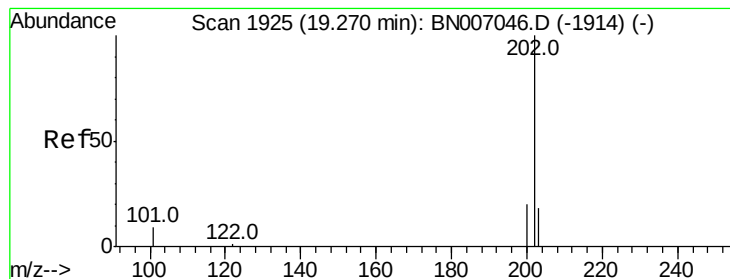


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Pvrene

Concen: 0.039 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Instrument :

BNA_N

ClientSampleId :

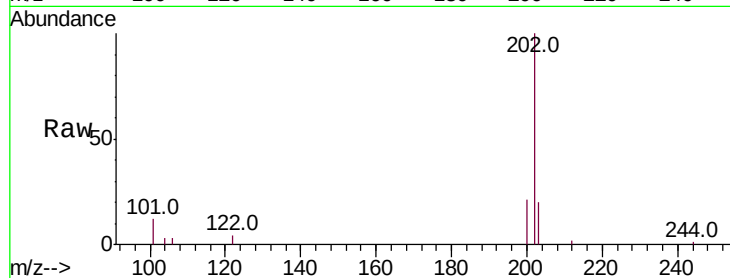
Tot Ion:202 Resp: 6735

Ion Ratio Lower Upper

202 100

200 20.6 16.6 24.8

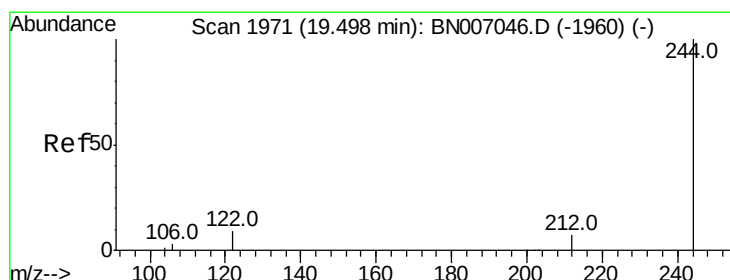
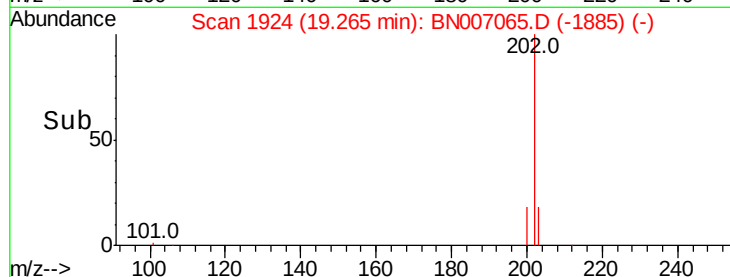
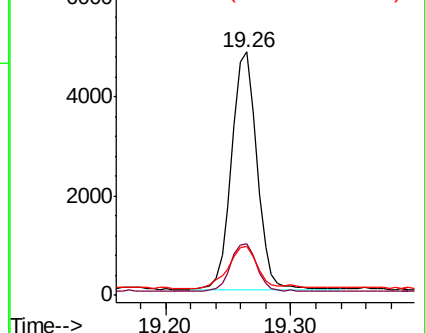
203 20.1 14.0 21.0



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: 0.178 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

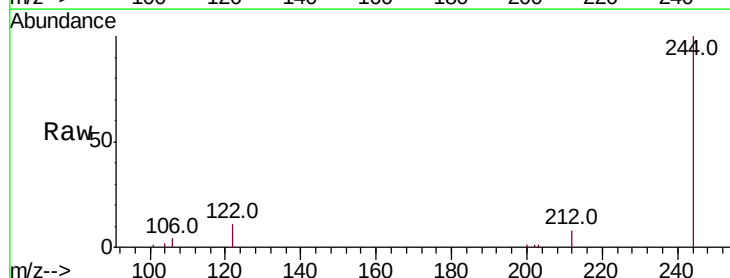
Tgt Ion:244 Resp: 23734

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

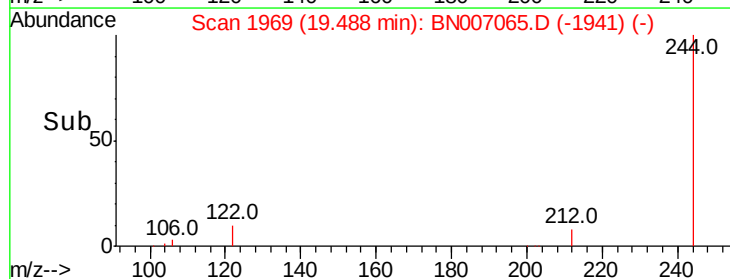
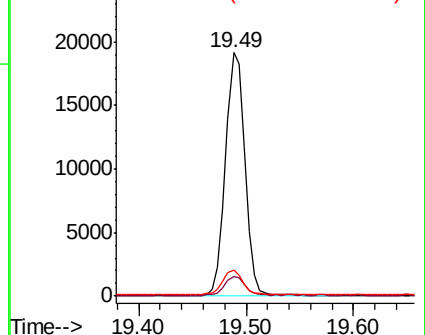
122 10.6 7.4 11.2

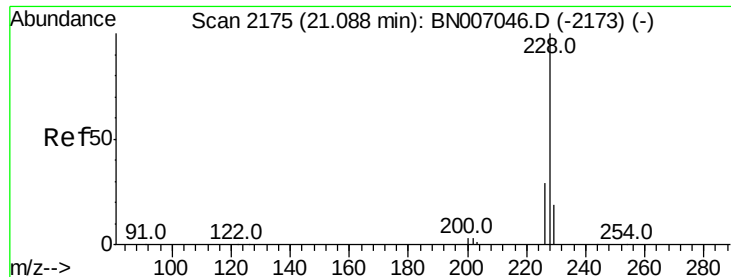


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Chrysene

Concen: 0.024 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Instrument :

BNA_N

ClientSampleId :

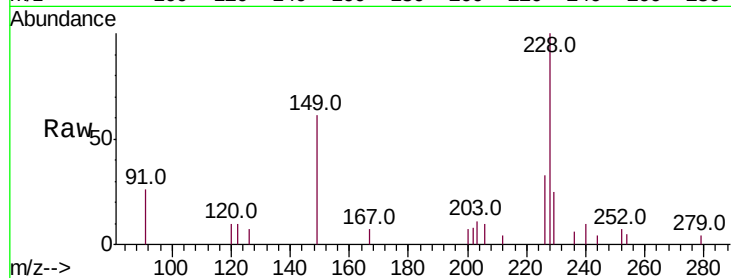
Tot Ion:228 Resp: 4099

Ion Ratio Lower Upper

228 100

226 32.6 23.8 35.6

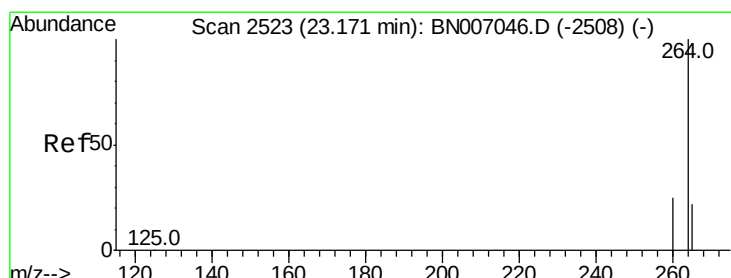
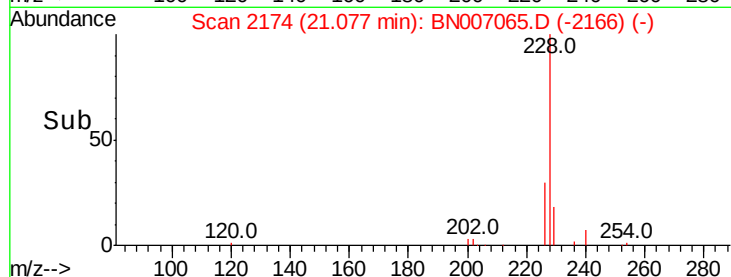
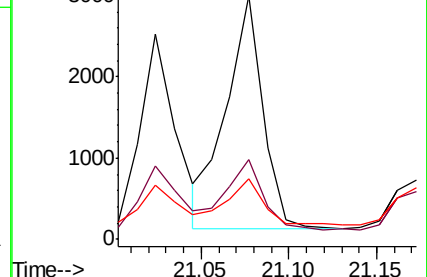
229 24.8 15.7 23.5#



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



#32

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

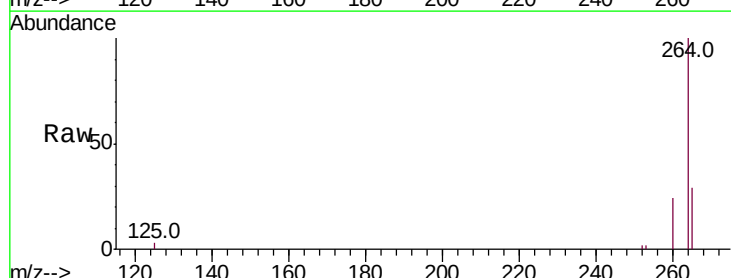
Tgt Ion:264 Resp: 54227

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

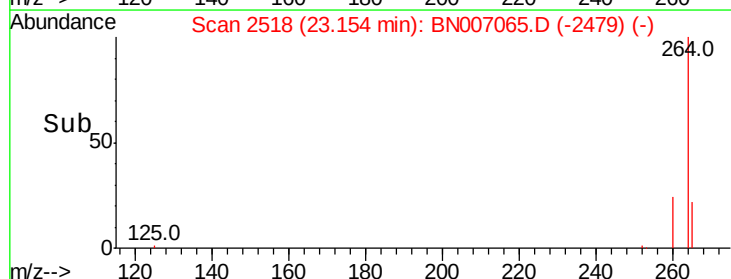
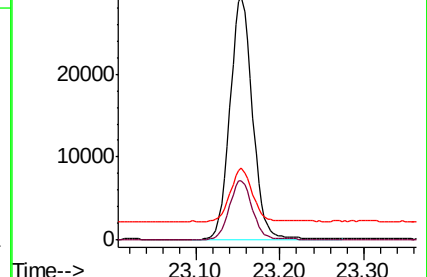
265 29.4 26.2 39.4

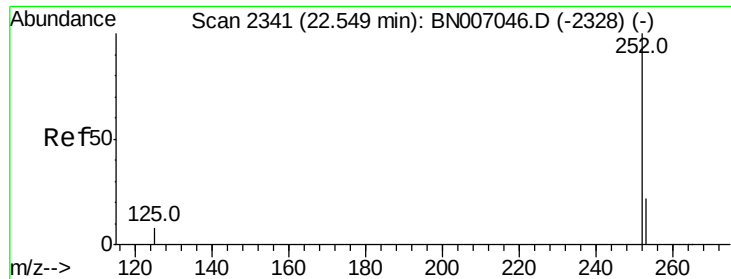


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.024 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Instrument :

BNA_N

ClientSampleId :

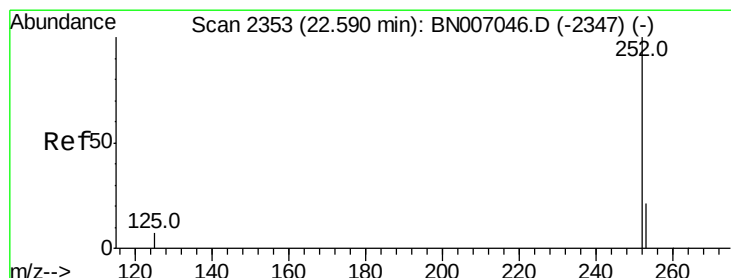
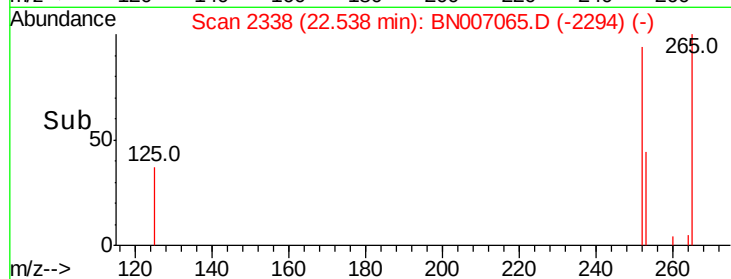
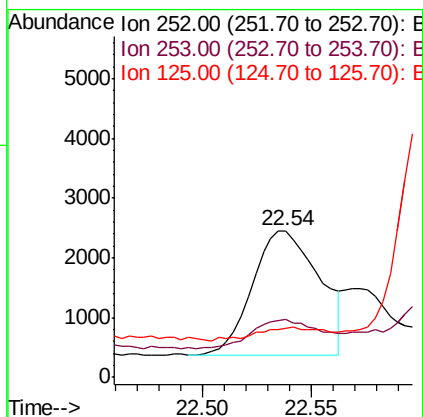
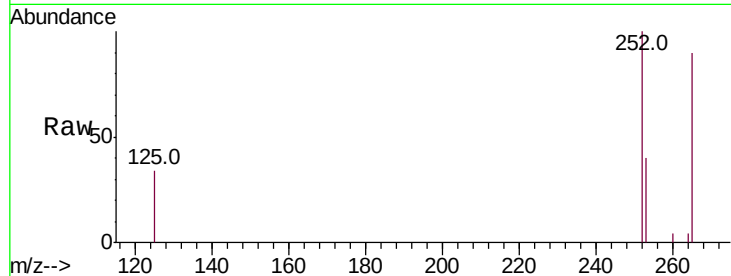
Tot Ion:252 Resp: 4445

Ion Ratio Lower Upper

252 100

253 39.5 18.2 27.2#

125 33.6 7.4 11.0#



#34

Benzo(k)fluoranthene

Concen: 0.024 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.05 min

Lab File: BN007065.D

Acq: 11 Aug 2019 01:23

Tgt Ion:252 Resp: 4445

Ion Ratio Lower Upper

252 100

253 39.5 18.1 27.1#

125 33.6 7.4 11.0#

