

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007081.D
 Acq On : 11 Aug 2019 11:37
 Operator : HP/JU
 Sample : K4143-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:43:06 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	9907	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	38409	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21531	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	53515	0.40	ng	0.00
26) Chrysene-d12	21.05	240	54642	0.40	ng	-0.01
32) Perylene-d12	23.16	264	60819	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	4668	0.20	ng	0.00
4) Phenol-d6	6.61	99	6302	0.21	ng	0.00
7) Nitrobenzene-d5	8.56	82	4938	0.16	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	11687	0.16	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1243	0.11	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	3856	0.12	ng	0.00
24) Fluoranthene-d10	18.87	212	29087	0.15	ng	0.00
28) Terphenyl-d14	19.49	244	22371	0.15	ng	-0.01

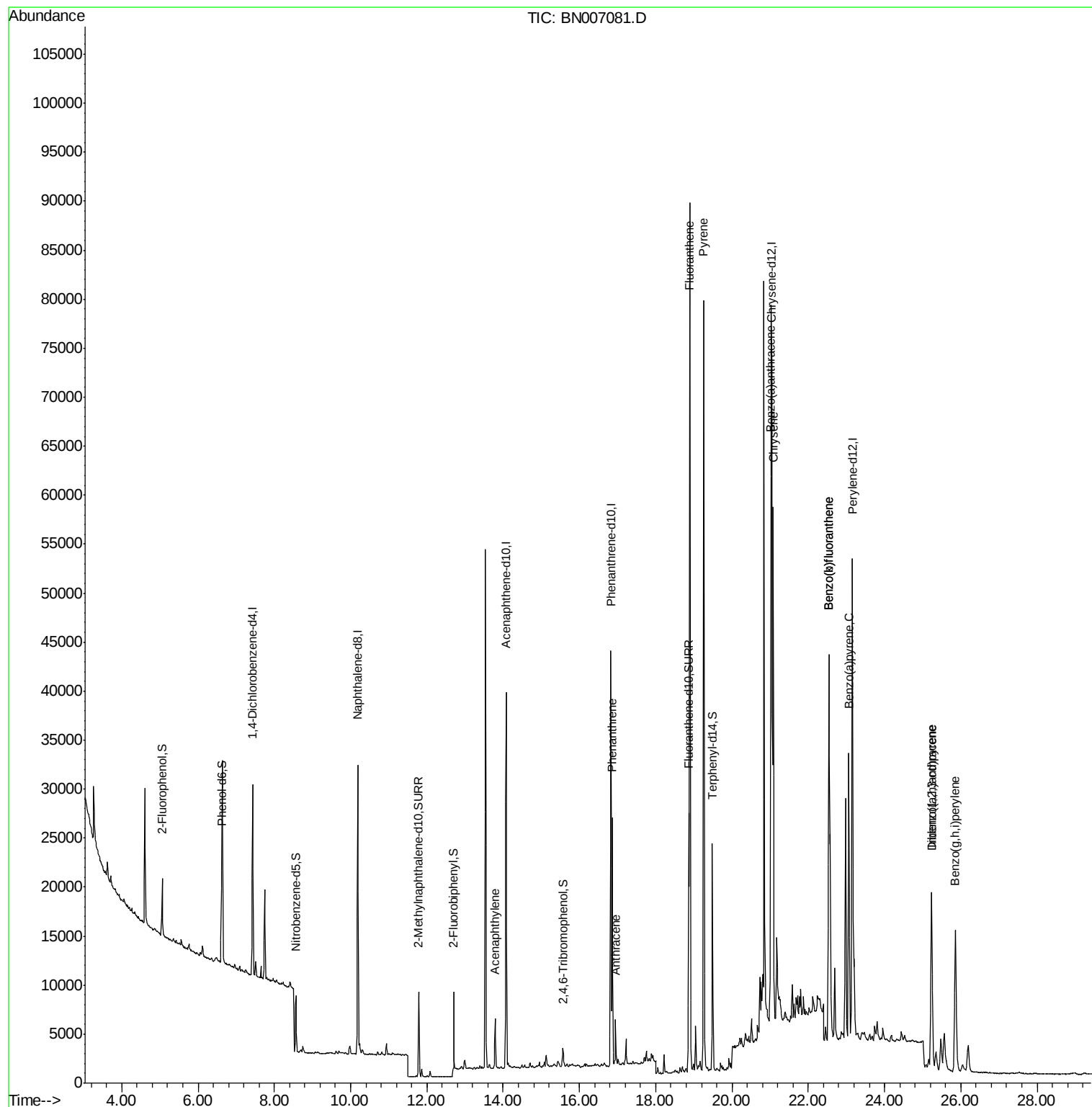
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acenaphthylene	13.79	152	5974	0.053	ng	99
22) Phenanthrene	16.87	178	25492	0.159	ng	99
23) Anthracene	16.95	178	4877	0.033	ng	# 93
25) Fluoranthene	18.90	202	80322	0.392	ng	100
27) Pyrene	19.26	202	72750	0.380	ng	97
29) Benzo(a)anthracene	21.02	228	43388	0.217	ng	94
30) Chrysene	21.08	228	47138	0.243	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	29765	0.139	ng	97
33) Benzo(b)fluoranthene	22.54	252	62726	0.301	ng	97
34) Benzo(k)fluoranthene	22.54	252	62726	0.305	ng	97
35) Benzo(a)pyrene	23.07	252	39268	0.208	ng	98
36) Dibenzo(a,h)anthracene	25.24	278	7925	0.042	ng	# 83
37) Benzo(a,h,i)perylene	25.86	276	30067	0.155	ng	99

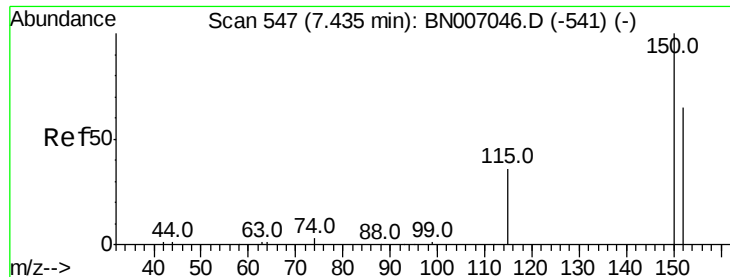
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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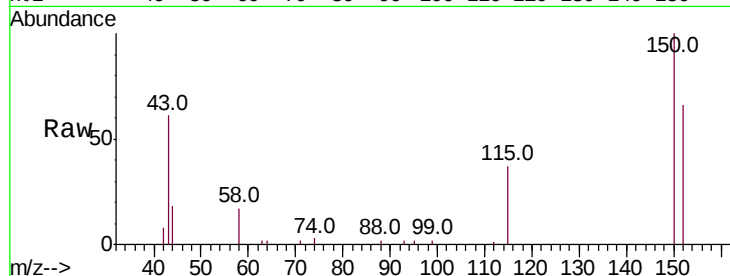


#1

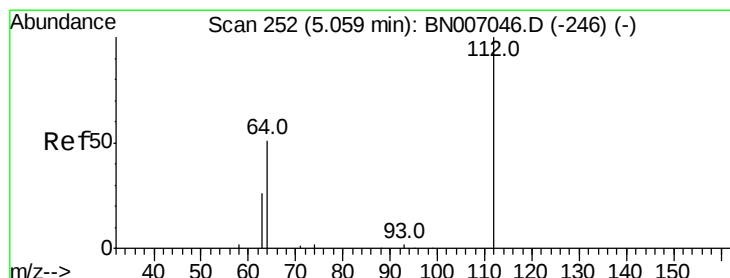
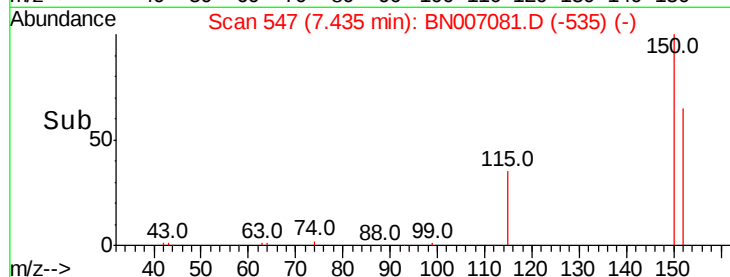
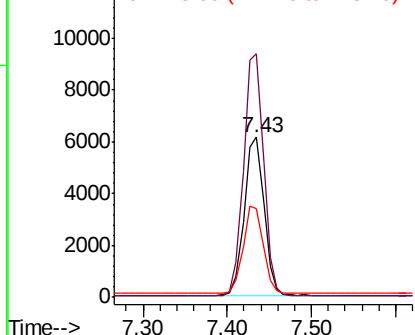
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9907
Ion Ratio Lower Upper
152 100
150 152.3 121.7 182.5
115 55.9 46.2 69.4



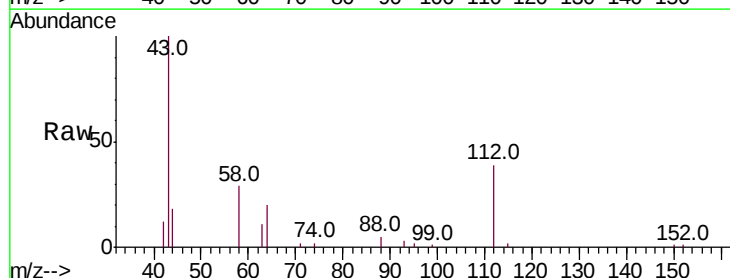
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



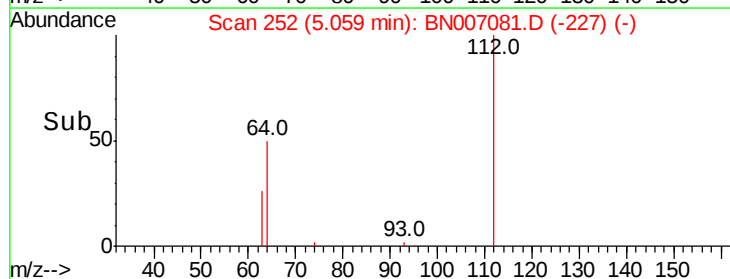
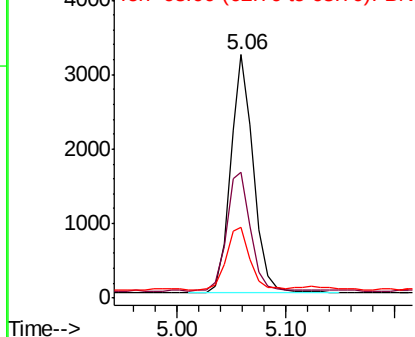
#3

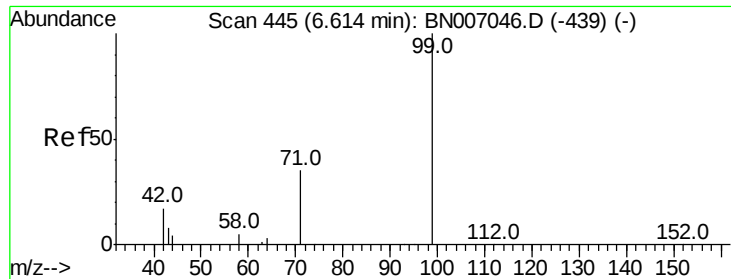
2-Fluorophenol
Concen: 0.196 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Tgt Ion:112 Resp: 4668
Ion Ratio Lower Upper
112 100
64 53.2 42.6 63.8
63 27.3 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: 0.214 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampled :

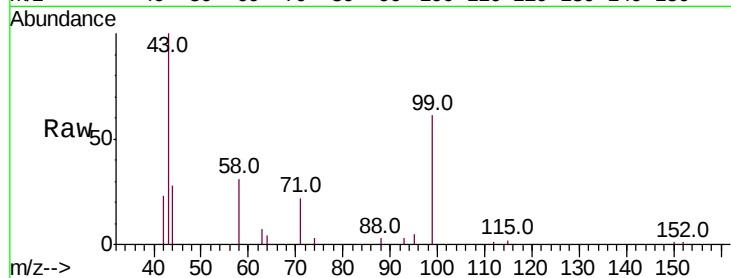
Tot Ion: 99 Resp: 6302

Ion Ratio Lower Upper

99 100

42 40.5 15.8 23.6#

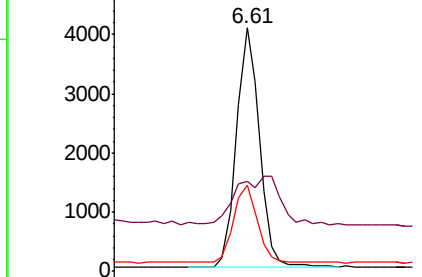
71 33.2 27.0 40.4



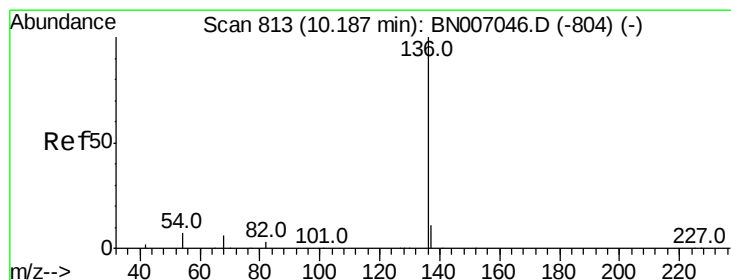
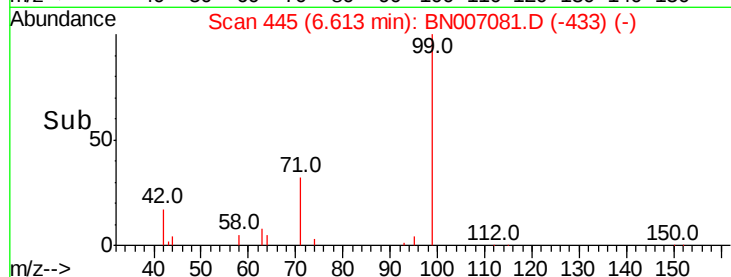
Abundance Ion 99.00 (98.70 to 99.70): BN007046.D (-439) (-)

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

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



Time-->



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Tgt Ion: 136 Resp: 38409

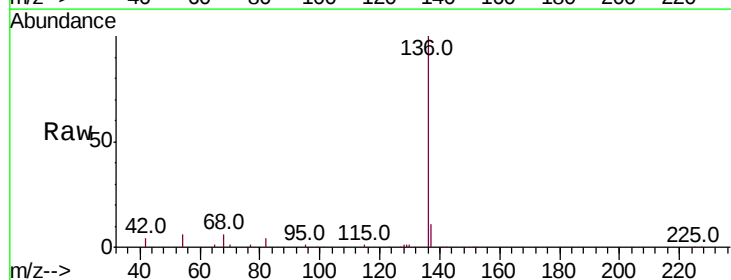
Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

54 6.3 6.6 9.8#

68 5.7 6.0 9.0#

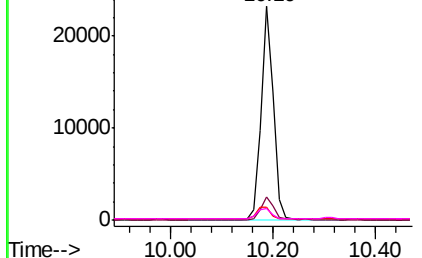


Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

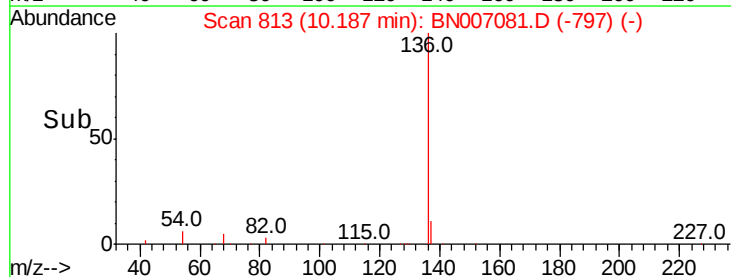
Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

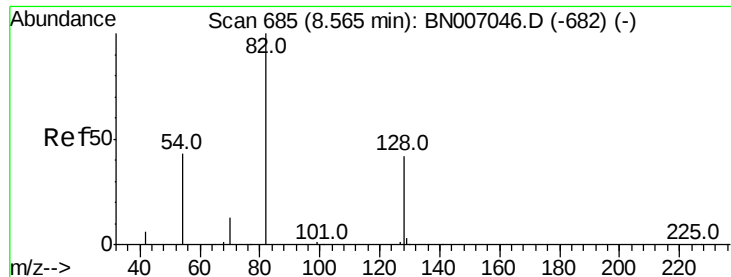
Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

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



Time-->





#7

Nitrobenzene-d5

Concen: 0.159 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

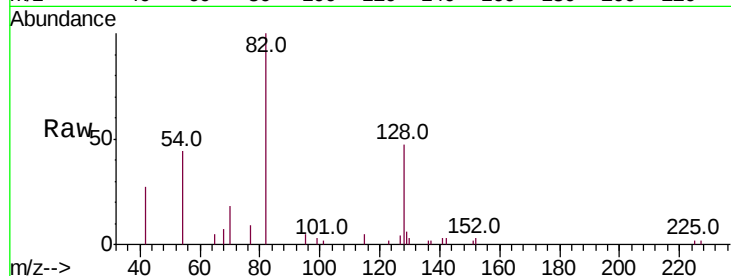
Tot Ion: 82 Resp: 4938

Ion Ratio Lower Upper

82 100

128 47.1 34.6 51.8

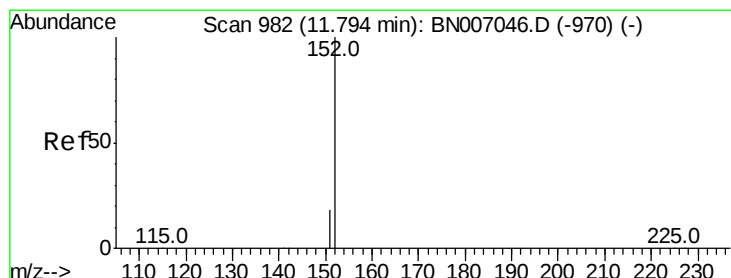
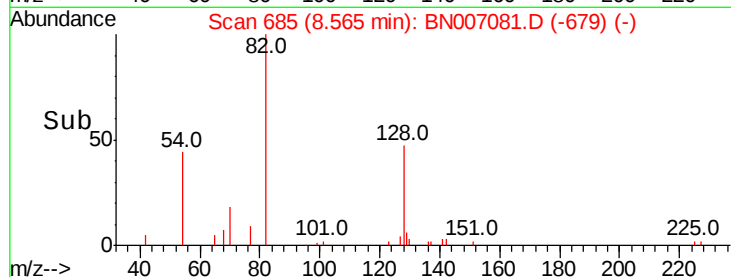
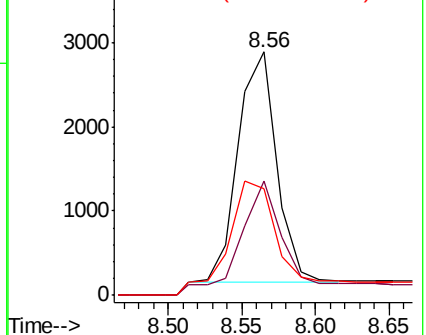
54 43.9 36.2 54.4



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) (-)



#10

2-Methylnaphthalene-d10

Concen: 0.163 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007081.D

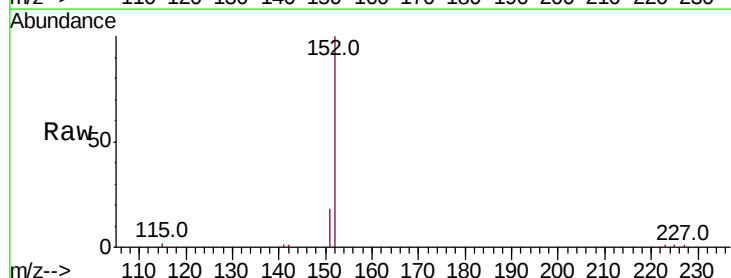
Acq: 11 Aug 2019 11:37

Tgt Ion: 152 Resp: 11687

Ion Ratio Lower Upper

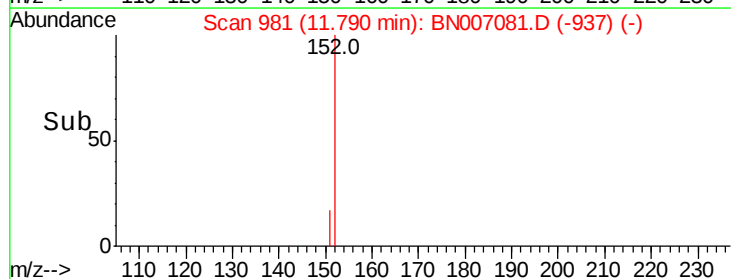
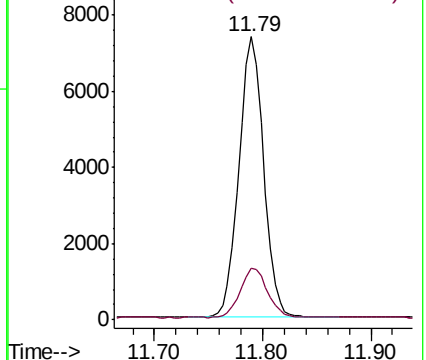
152 100

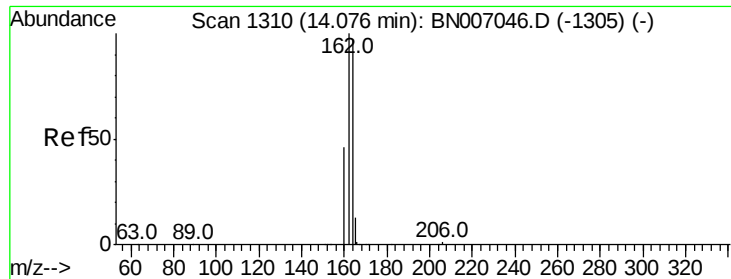
151 19.4 15.5 23.3



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

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





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

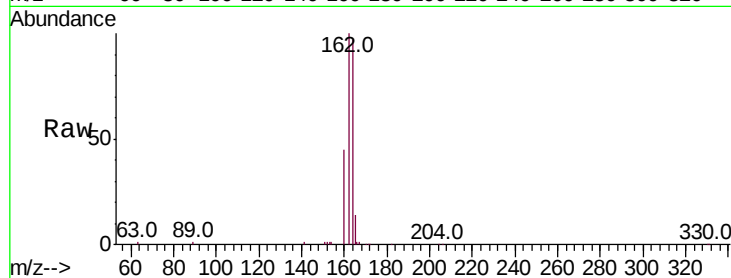
Tot Ion:164 Resp: 21531

Ion Ratio Lower Upper

164 100

162 102.8 82.2 123.4

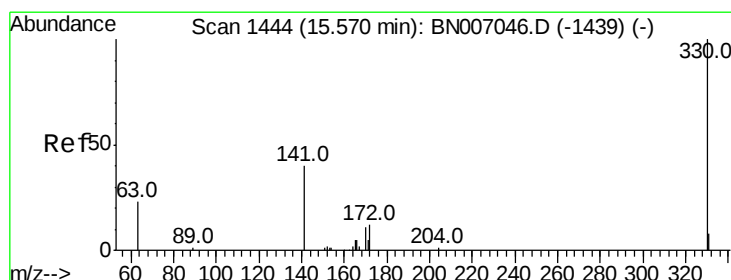
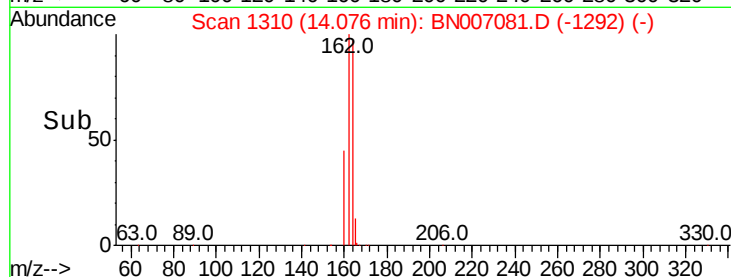
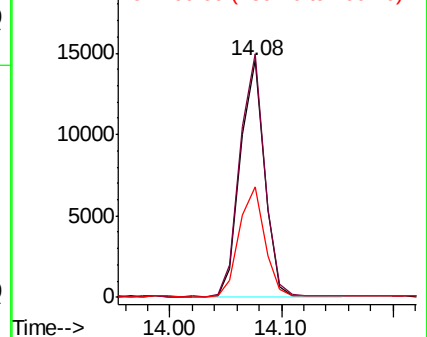
160 46.5 38.3 57.5



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: 0.107 ng

RT: 15.57 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

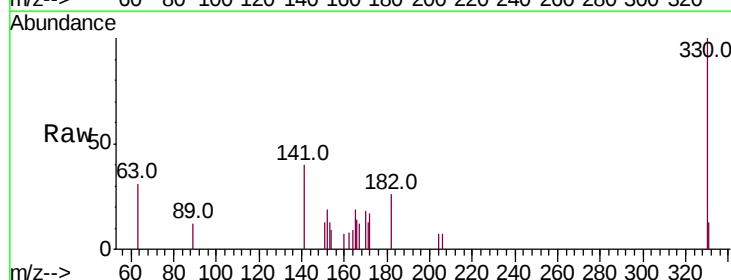
Tgt Ion:330 Resp: 1243

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

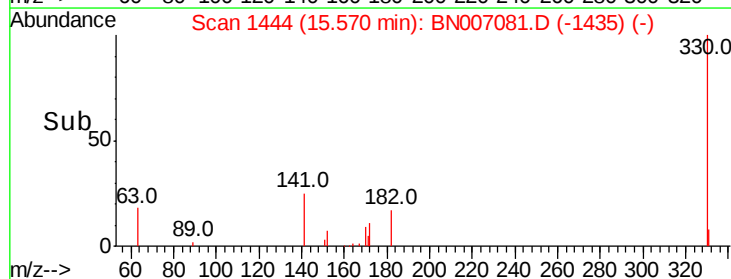
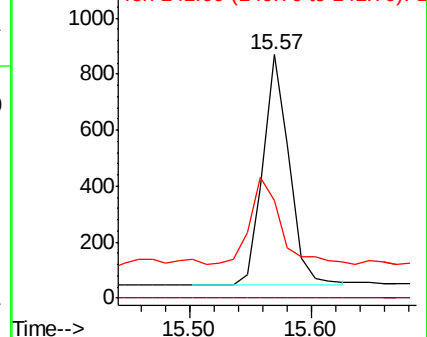
141 43.3 33.6 50.4

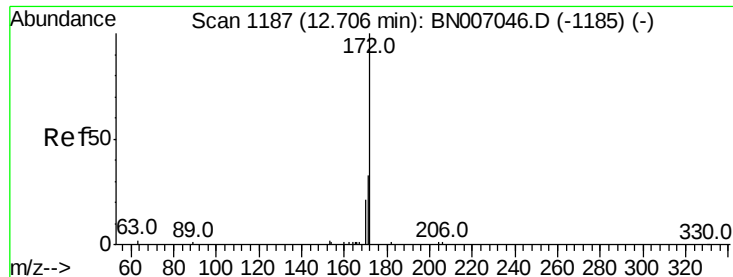


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

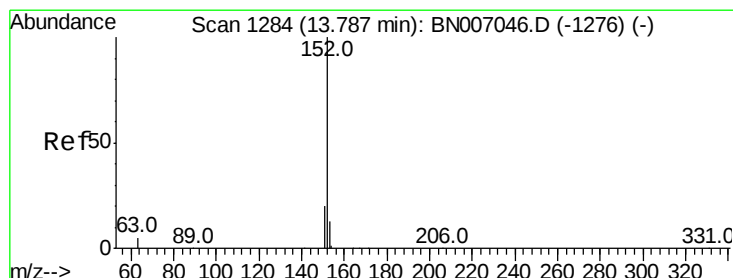
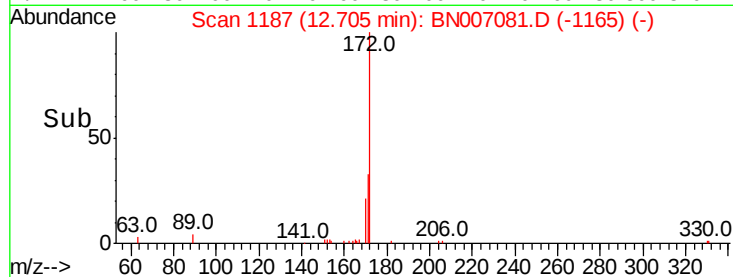
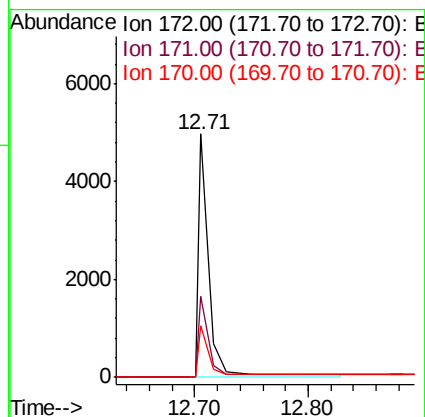
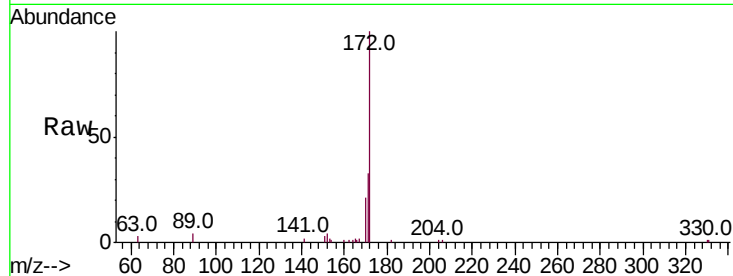




#14
2-Fluorobiphenyl
Concen: 0.123 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

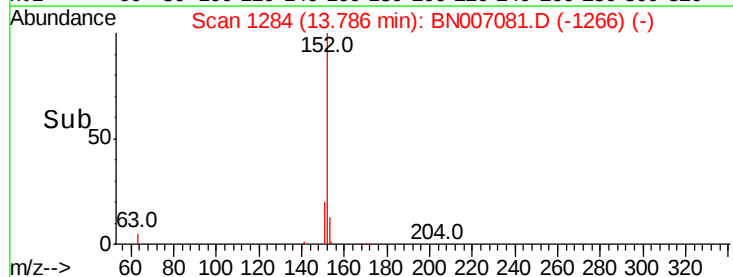
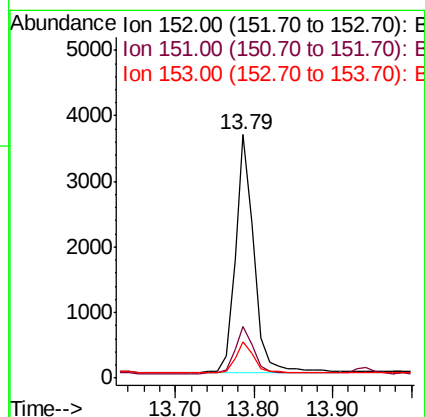
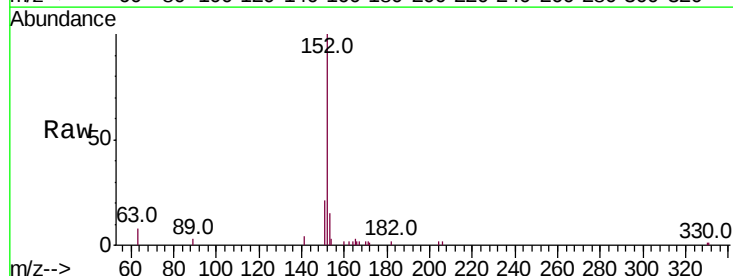
Instrument :
BNA_N
ClientSampleId :

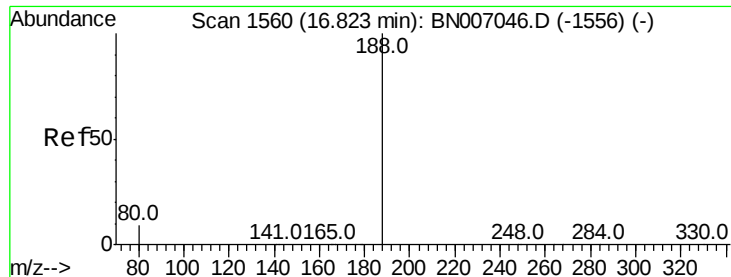
Tot Ion:172 Resp: 3856
Ion Ratio Lower Upper
172 100
171 33.3 26.3 39.5
170 21.0 17.0 25.4



#15
Acenaphthylene
Concen: 0.053 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Tgt Ion:152 Resp: 5974
Ion Ratio Lower Upper
152 100
151 20.5 15.8 23.6
153 13.2 10.4 15.6

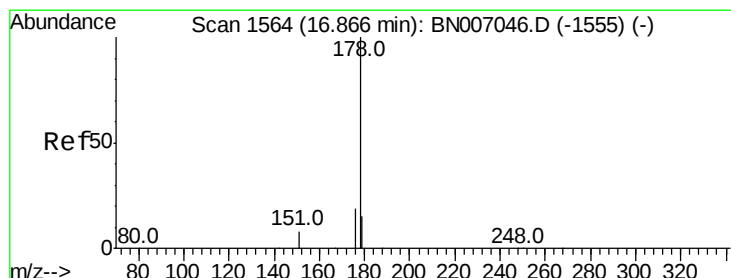
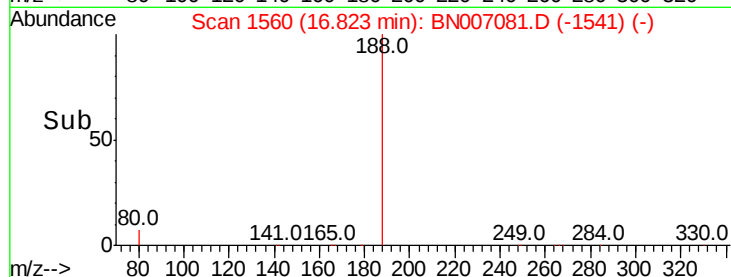
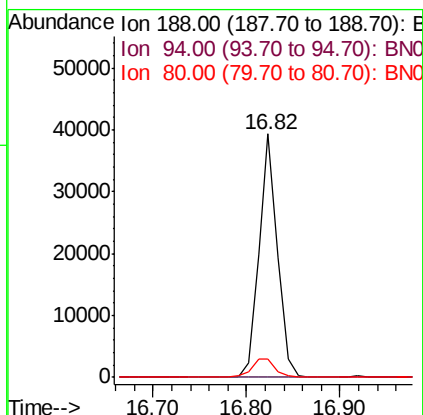
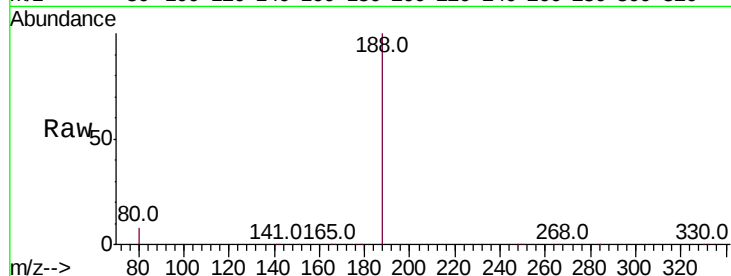




#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

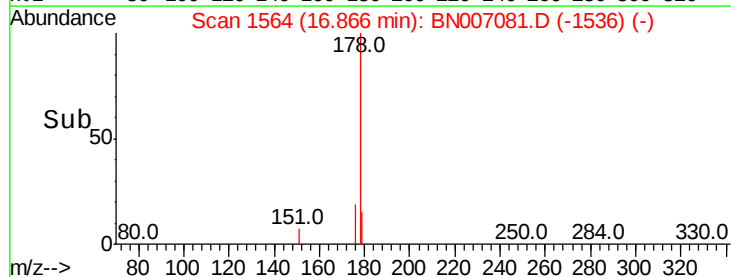
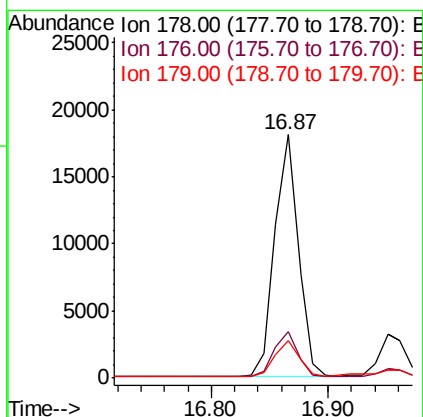
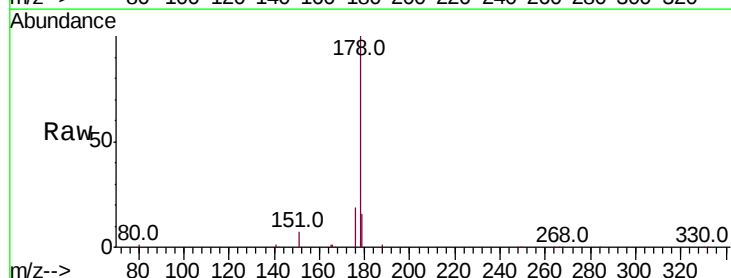
Instrument :
BNA_N
ClientSampled :

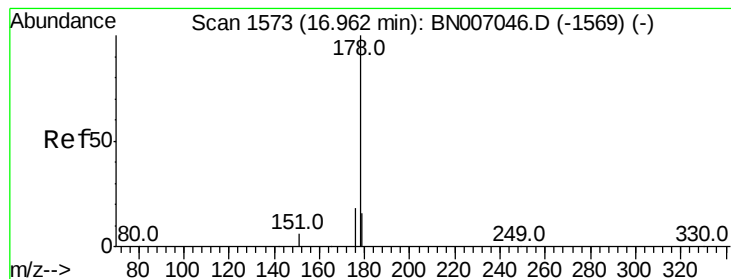
Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	7.8	11.6#



#22
Phenanthrene
Concen: 0.159 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.8	12.3	18.5





#23

Anthracene

Concen: 0.033 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

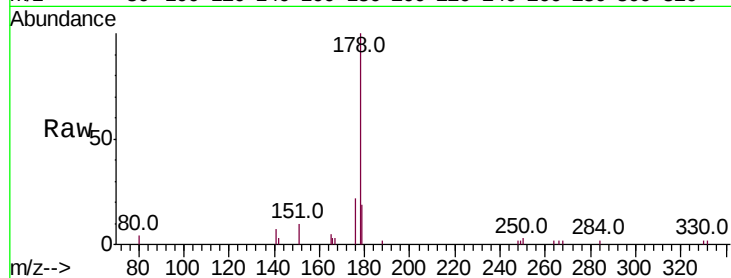
Tot Ion:178 Resp: 4877

Ion Ratio Lower Upper

178 100

176 18.7 14.6 21.8

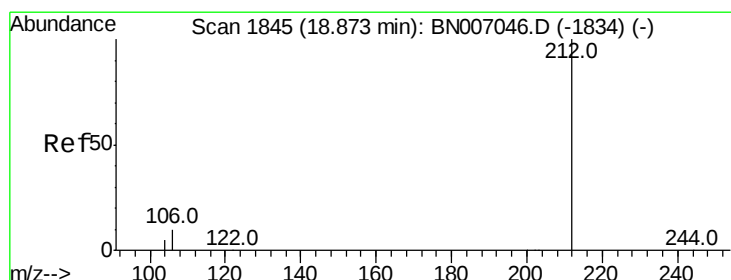
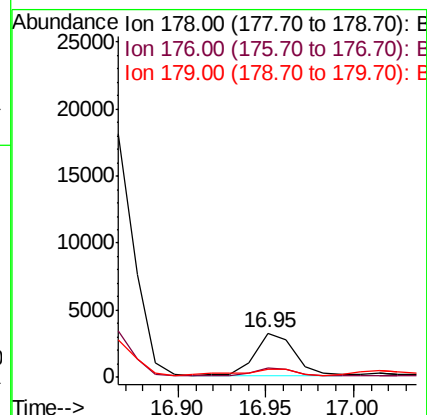
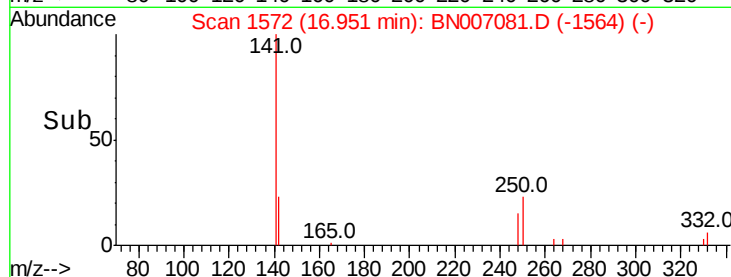
179 21.5 12.5 18.7#



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: 0.153 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

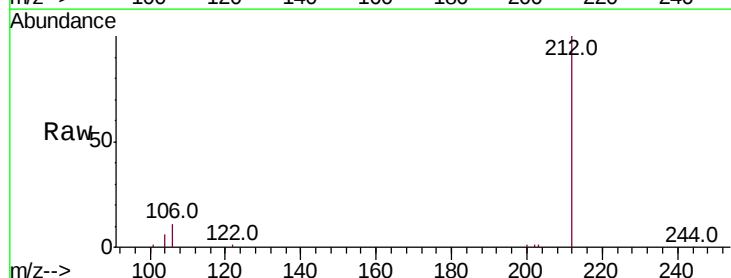
Tgt Ion:212 Resp: 29087

Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

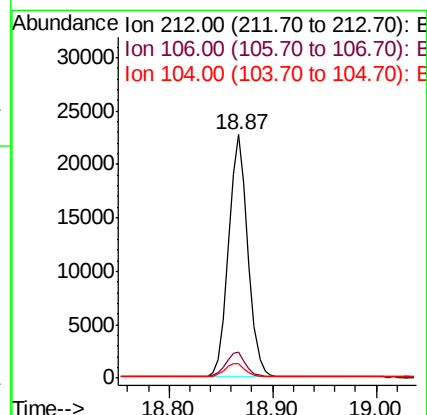
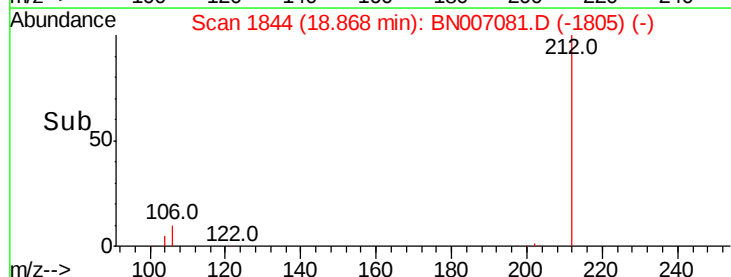
104 5.7 4.5 6.7

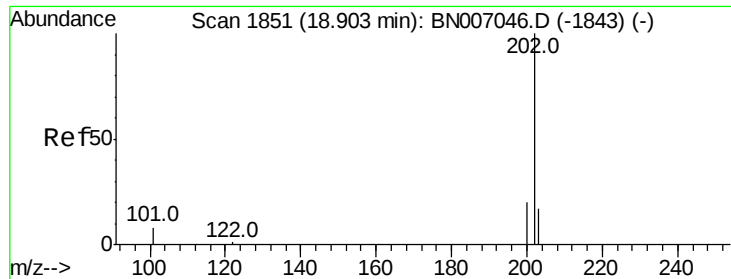


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

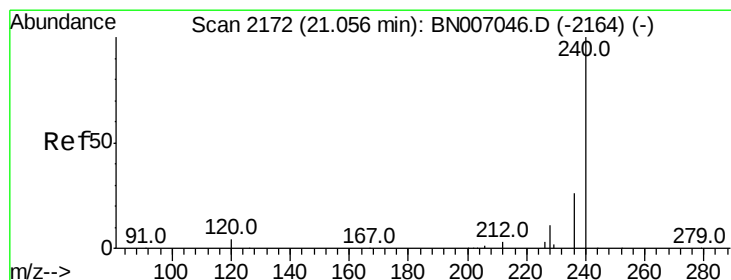
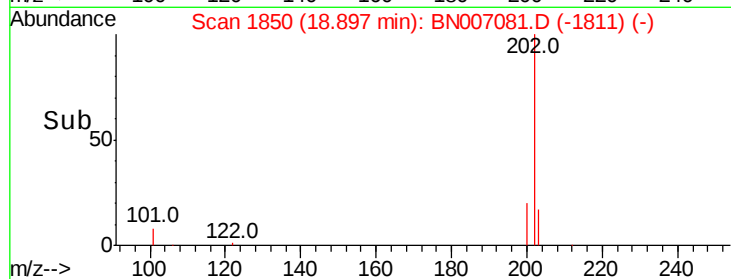
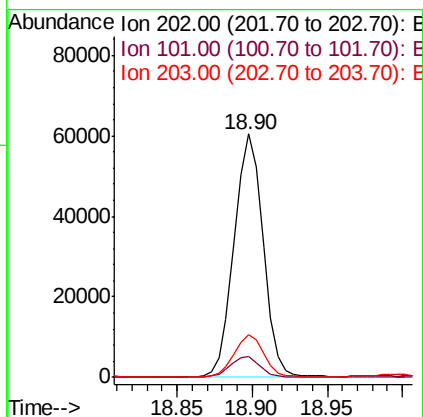
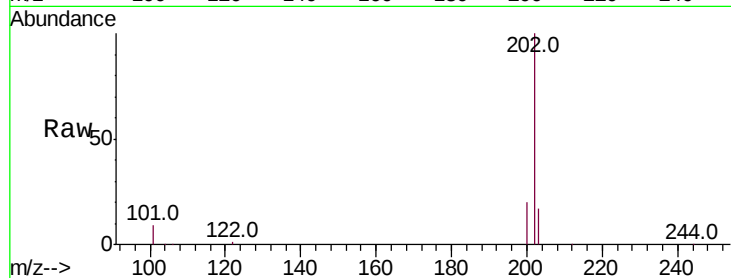




#25
 Fluoranthene
 Concen: 0.392 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

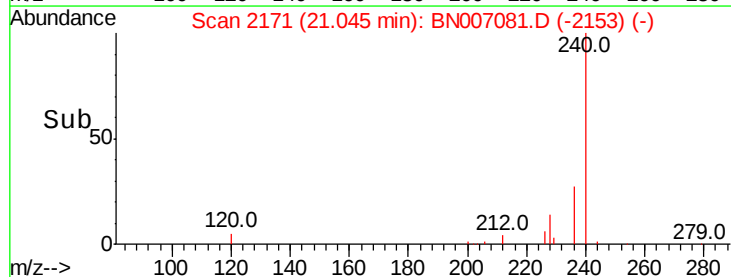
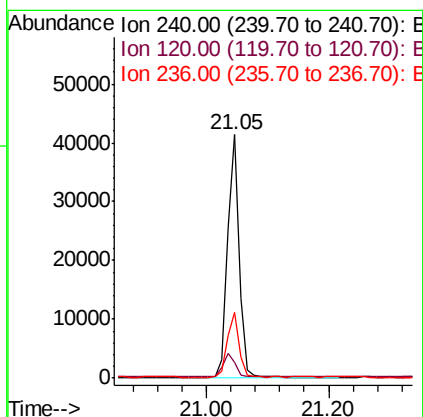
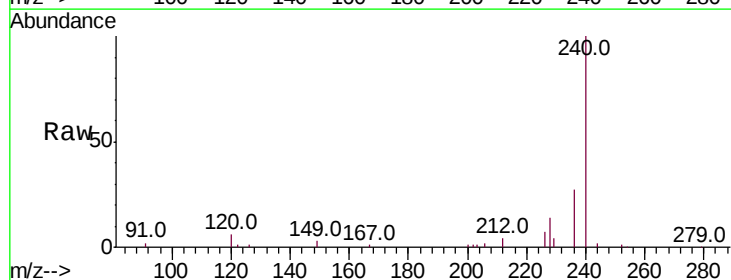
Instrument :
 BNA_N
 ClientSampleId :

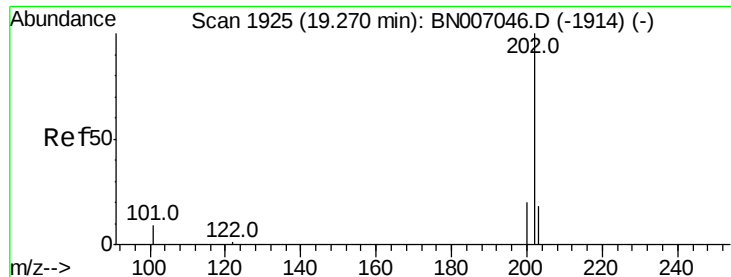
Tot Ion:202 Resp: 80322
 Ion Ratio Lower Upper
 202 100
 101 8.6 7.0 10.4
 203 17.4 13.8 20.8



#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.05 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Tgt Ion:240 Resp: 54642
 Ion Ratio Lower Upper
 240 100
 120 6.2 4.0 6.0#
 236 27.0 21.3 31.9

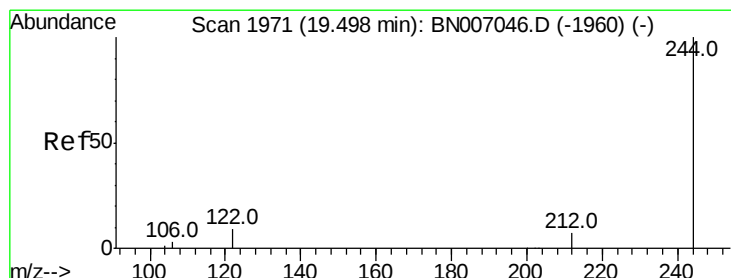
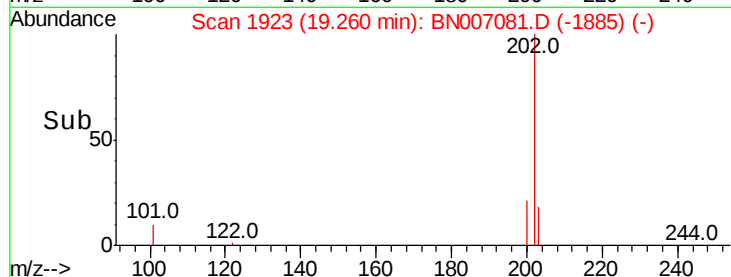
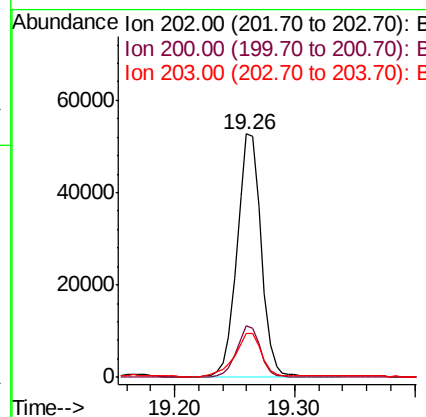
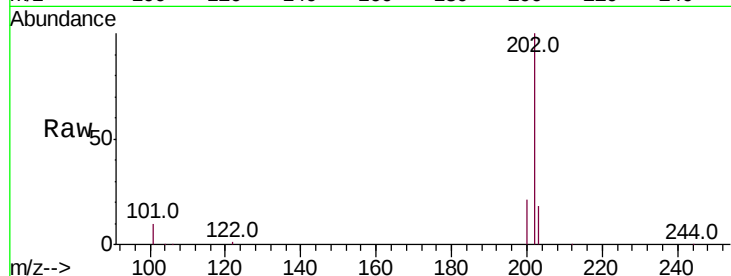




#27
Pvrene
Concen: 0.380 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

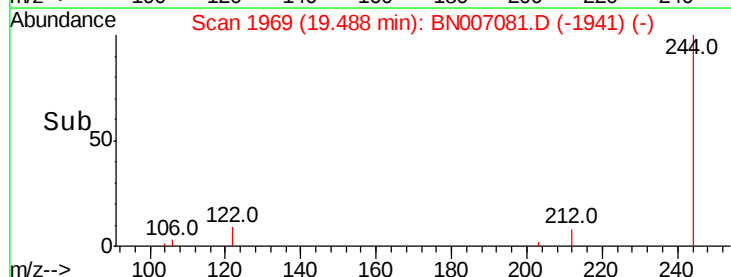
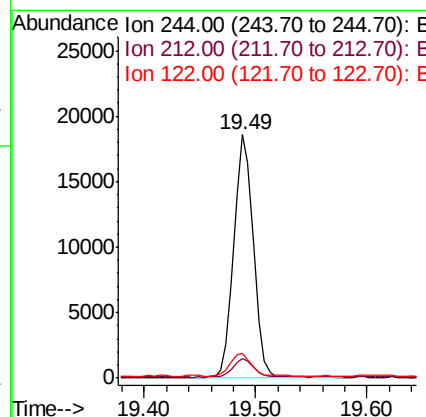
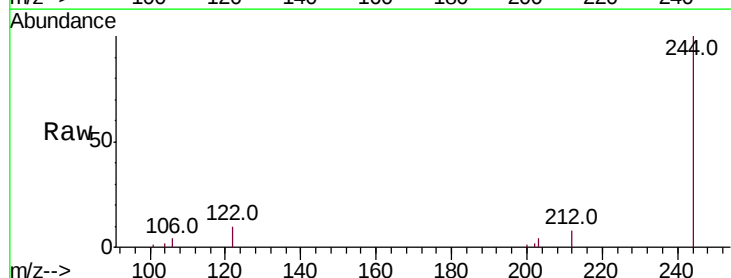
Instrument :
BNA_N
ClientSampleId :

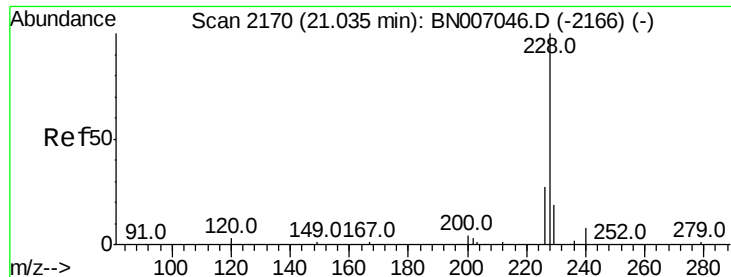
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	19.9	14.0	21.0



#28
Terphenyl-d14
Concen: 0.150 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007081.D
Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	10.3	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.217 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

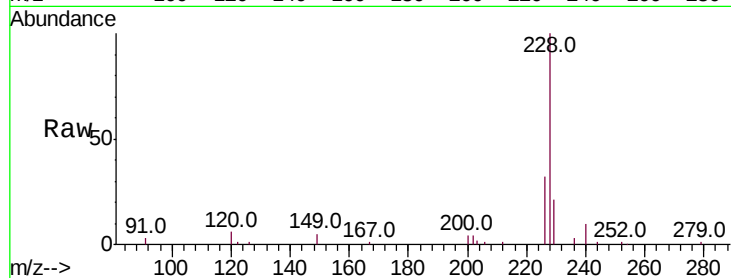
Tot Ion:228 Resp: 43388

Ion Ratio Lower Upper

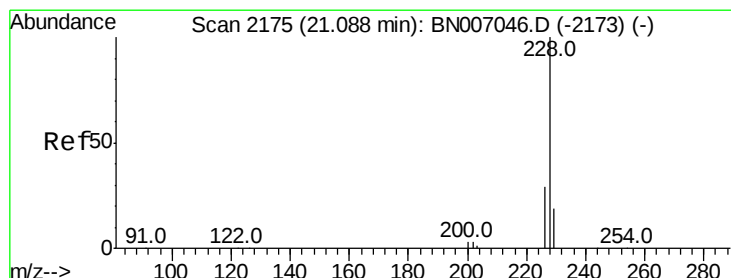
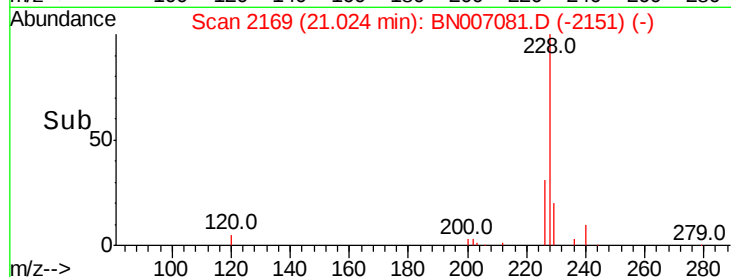
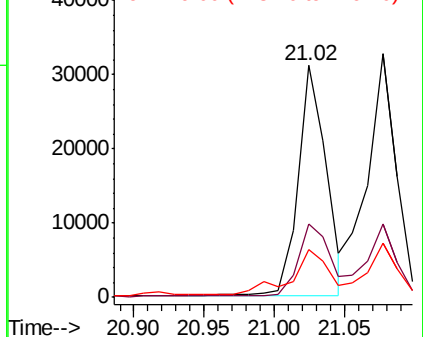
228 100

226 31.8 21.8 32.6

229 20.6 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: 0.243 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

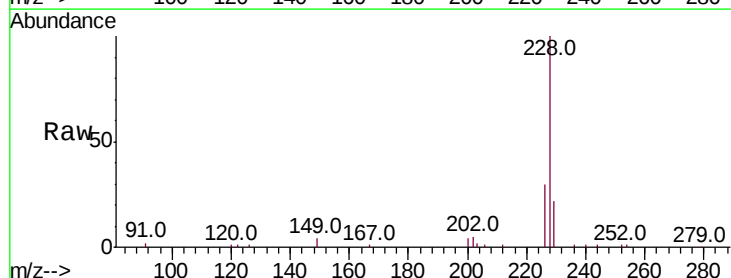
Tgt Ion:228 Resp: 47138

Ion Ratio Lower Upper

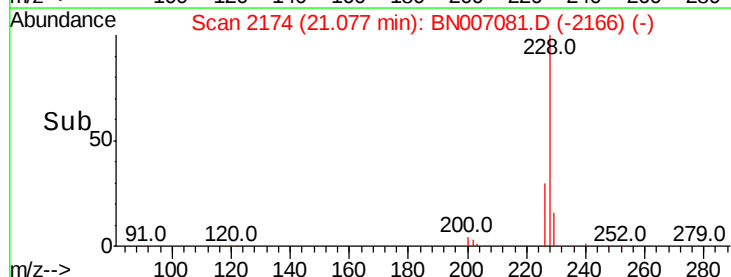
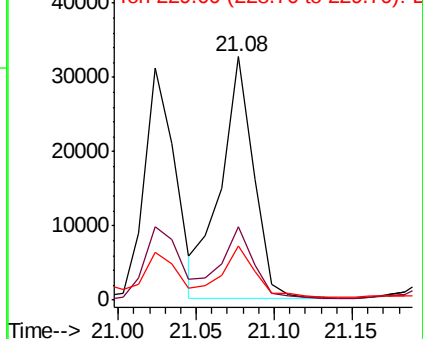
228 100

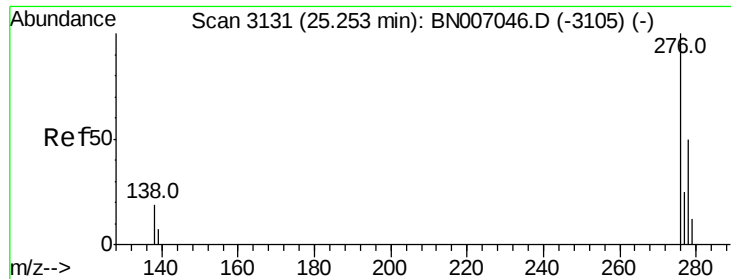
226 30.2 23.8 35.6

229 22.1 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

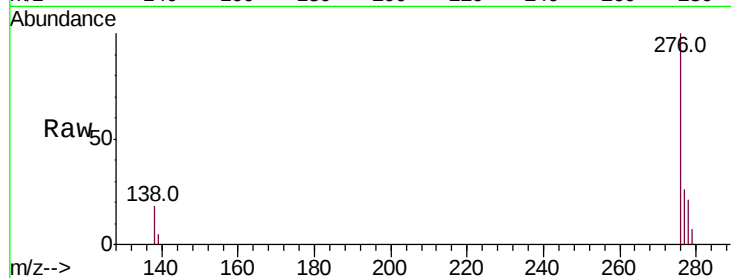




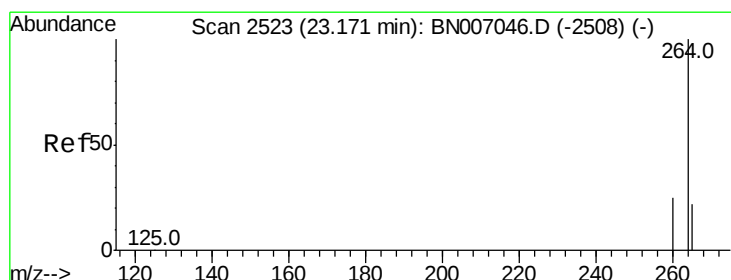
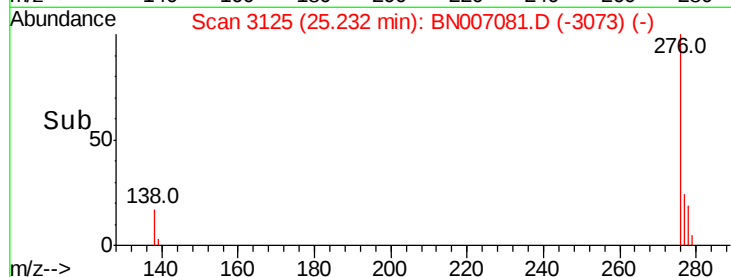
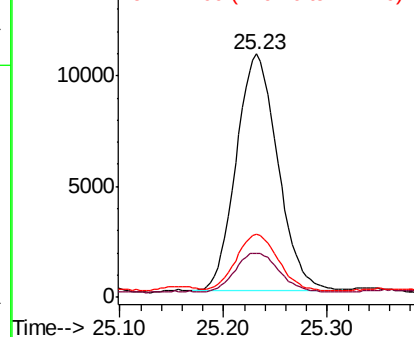
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.139 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	16.0	24.0
277	24.2	19.9	29.9

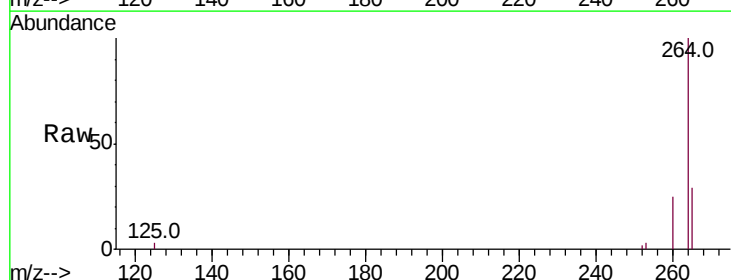


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

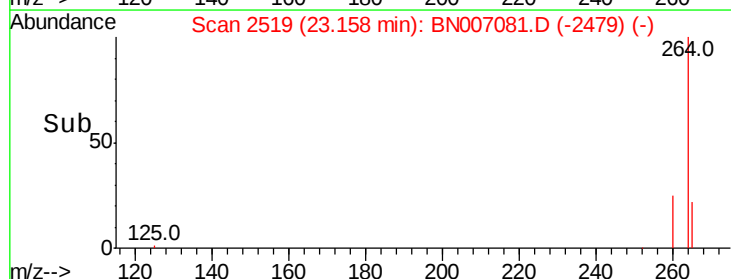
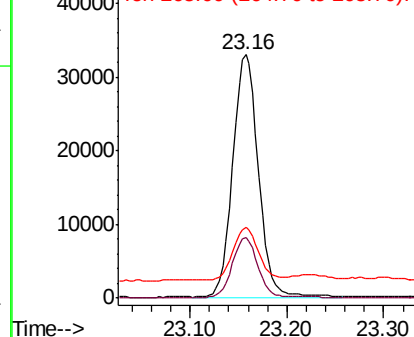


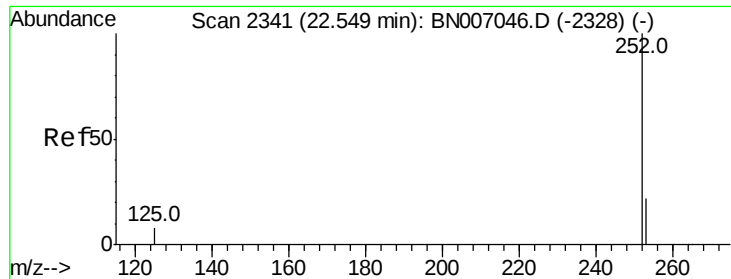
#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007081.D
 Acq: 11 Aug 2019 11:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	29.2	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: 0.301 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

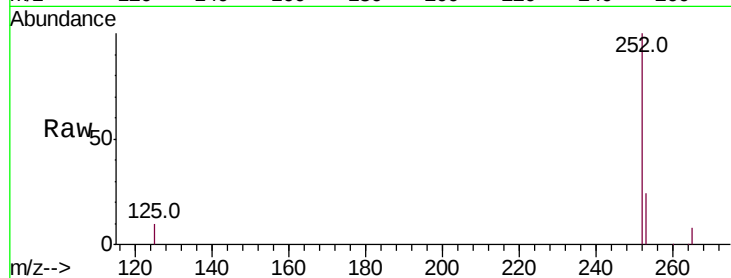
Tot Ion:252 Resp: 62726

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

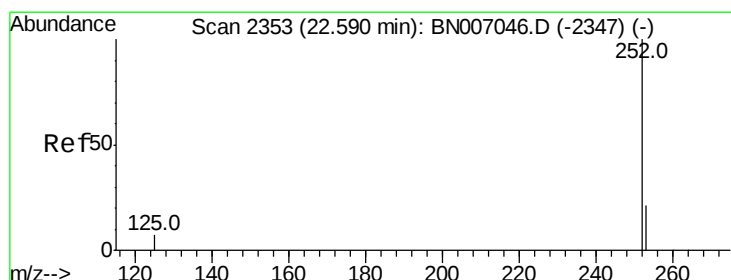
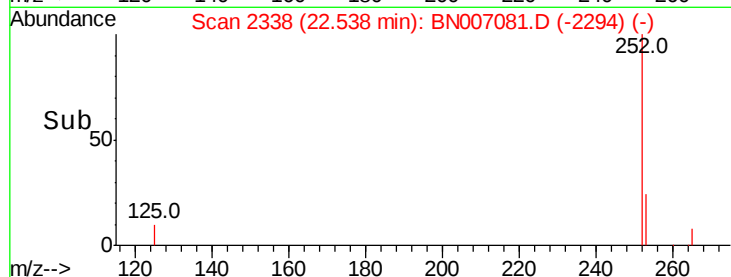
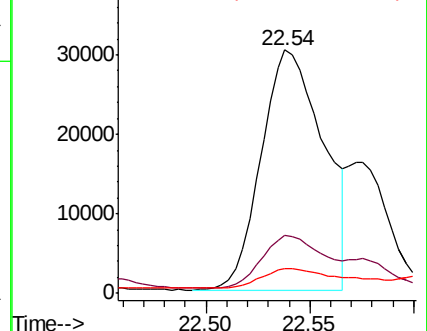
125 10.1 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 0.305 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.05 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

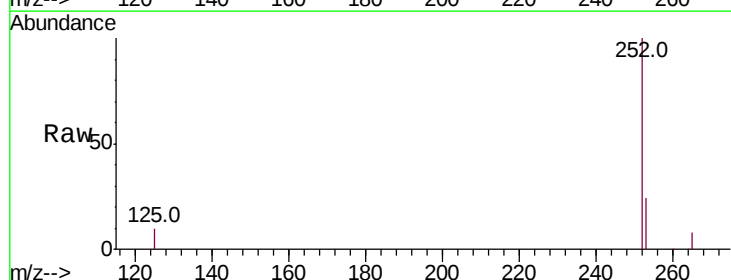
Tgt Ion:252 Resp: 62726

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

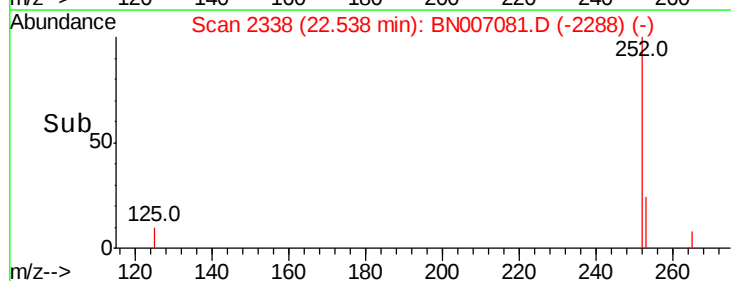
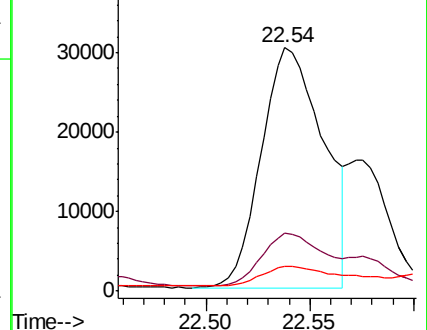
125 10.1 7.4 11.0

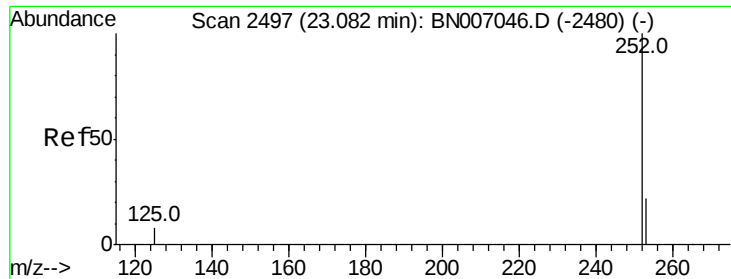


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.208 ng

RT: 23.07 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

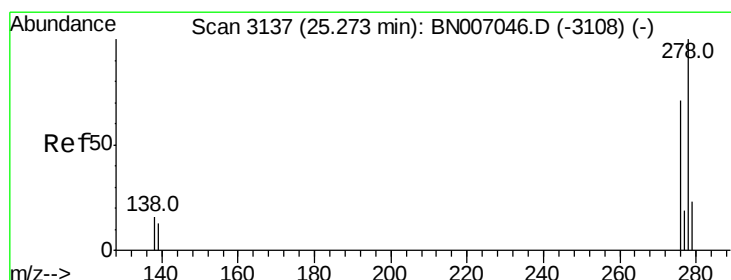
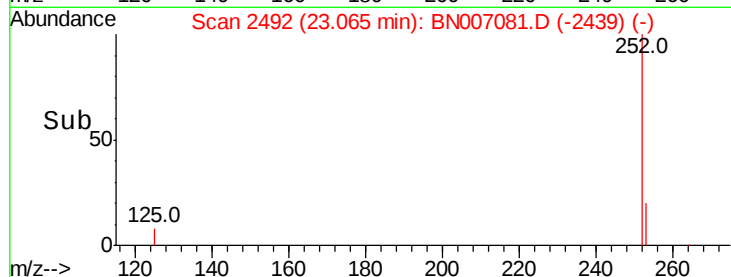
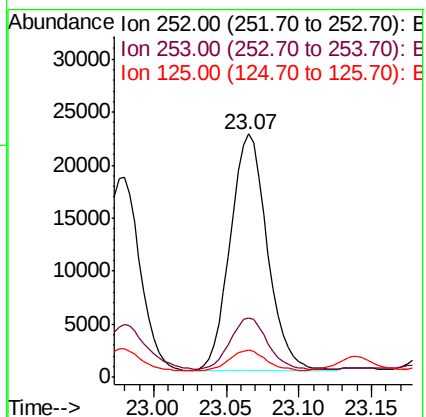
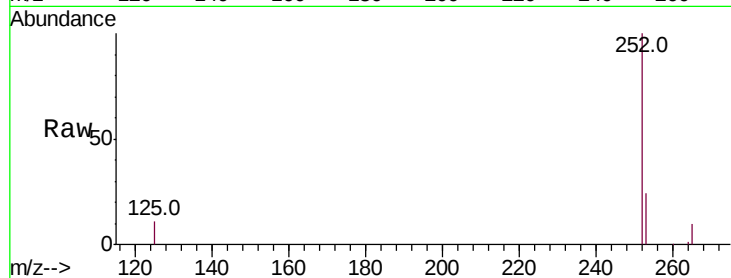
Tot Ion:252 Resp: 39268

Ion Ratio Lower Upper

252 100

253 24.2 18.5 27.7

125 11.1 8.2 12.4



#36

Dibenzo(a,h)anthracene

Concen: 0.042 ng

RT: 25.24 min Scan# 3128

Delta R.T. -0.03 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

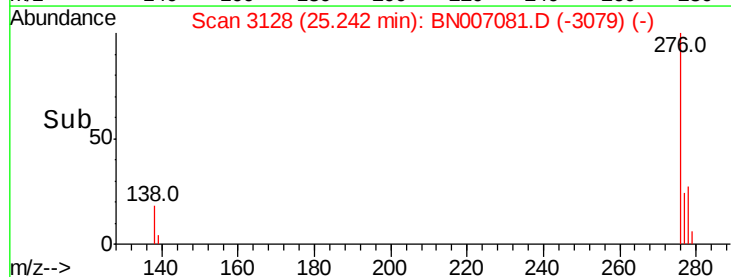
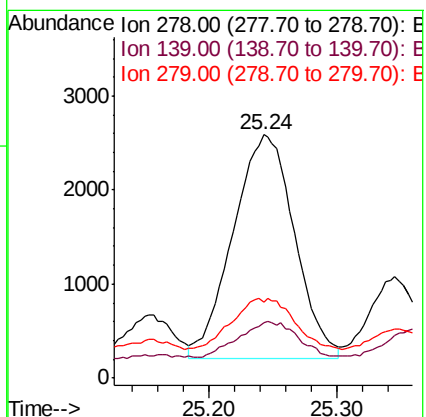
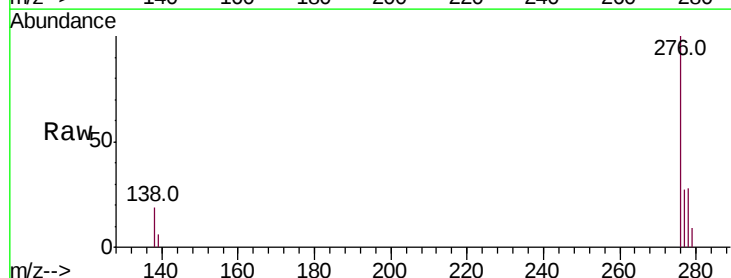
Tgt Ion:278 Resp: 7925

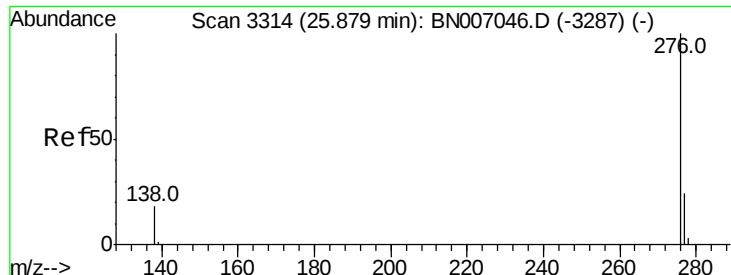
Ion Ratio Lower Upper

278 100

139 22.9 11.3 16.9#

279 31.4 19.3 28.9#





#37

Benzo(a,h,i)perylene

Concen: 0.155 ng

RT: 25.86 min Scan# 3308

Delta R.T. -0.02 min

Lab File: BN007081.D

Acq: 11 Aug 2019 11:37

Instrument :

BNA_N

ClientSampleId :

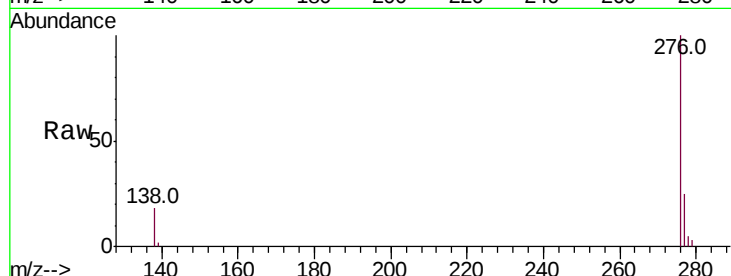
Tot Ion:276 Resp: 30067

Ion Ratio Lower Upper

276 100

277 25.2 19.8 29.8

138 18.2 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

