

Data File : BN007343.D
Acq On : 24 Aug 2019 01:01
Operator : HP/JU
Sample : K4471-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
N3-SB1-1.0-1.5-082119

Quant Time: Aug 24 07:33:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4351	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	17662	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	9252	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	21294	0.40	ng	0.00
27) Chrysene-d12	21.02	240	22442	0.40	ng	0.00
34) Perylene-d12	23.12	264	25392	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	3095	0.19	ng	0.00
5) Phenol-d6	6.60	99	3927	0.19	ng	0.00
8) Nitrobenzene-d5	8.54	82	2820	0.18	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	5541	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	838	0.17	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	6775	0.18	ng	0.01
25) Fluoranthene-d10	18.84	212	12912	0.19	ng	0.00
29) Terphenyl-d14	19.46	244	9633	0.16	ng	0.00

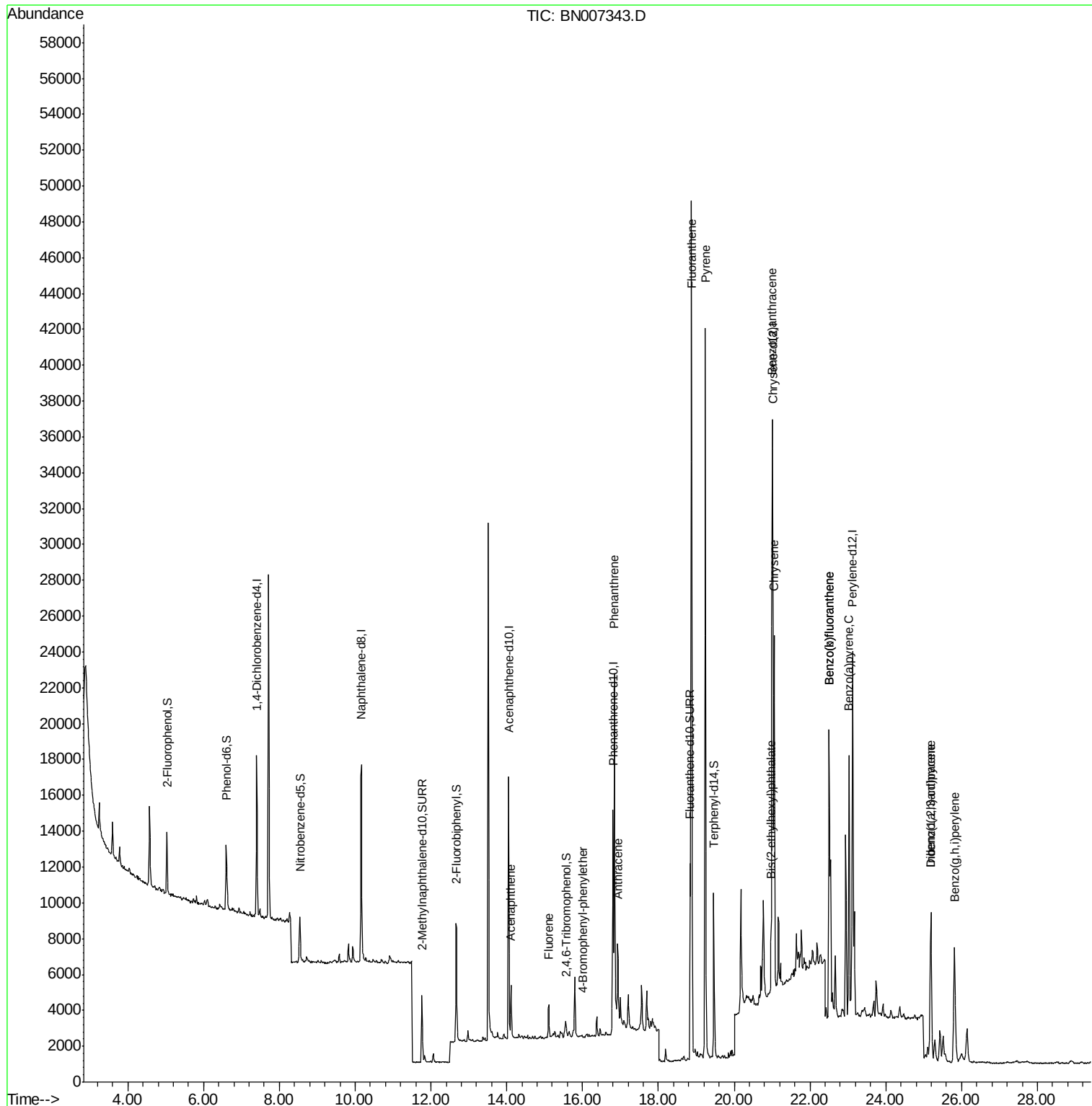
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acenaphthene	14.11	154	1509	0.047	ng	95
18) Fluorene	15.11	166	1534	0.038	ng	91
20) 4-Bromophenyl-phenylether	16.01	248	193	0.023	ng	# 1
23) Phenanthrene	16.84	178	22875	0.357	ng	98
24) Anthracene	16.93	178	5981	0.093	ng	97
26) Fluoranthene	18.88	202	46399	0.564	ng	100
28) Pyrene	19.24	202	39691	0.440	ng	# 94
30) Benzo(a)anthracene	21.01	228	22579	0.256	ng	98
31) Chrysene	21.05	228	18339	0.216	ng	96
32) Bis(2-ethylhexyl)phthalate	20.97	149	2918	0.032	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.18	276	12702	0.124	ng	98
35) Benzo(b)fluoranthene	22.51	252	24811	0.270	ng	98
36) Benzo(k)fluoranthene	22.51	252	24811	0.273	ng	96
37) Benzo(a)pyrene	23.03	252	18930	0.216	ng	97
38) Dibenzo(a,h)anthracene	25.19	278	3284	0.038	ng	# 60
39) Benzo(g,h,i)perylene	25.81	276	13186	0.151	ng	97

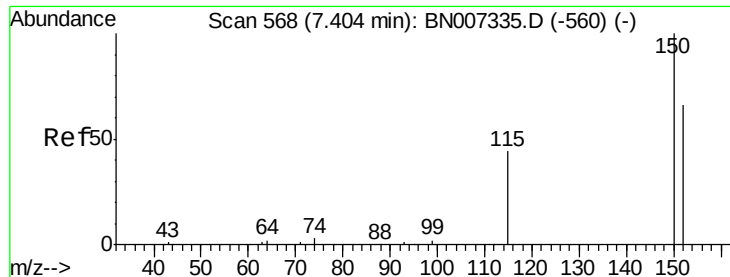
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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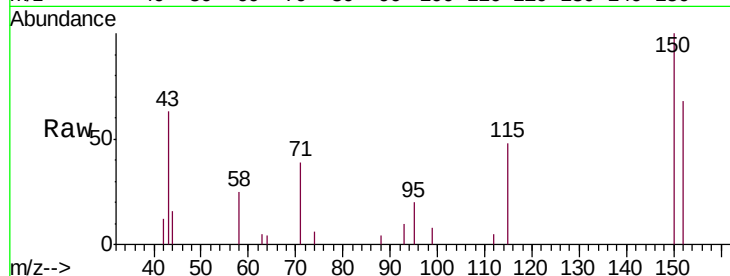


#1

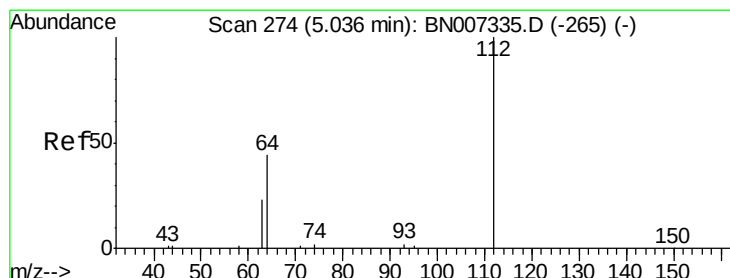
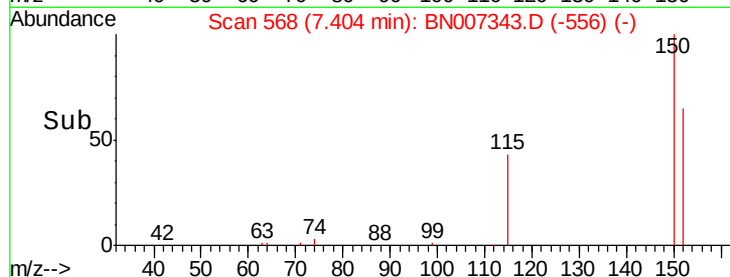
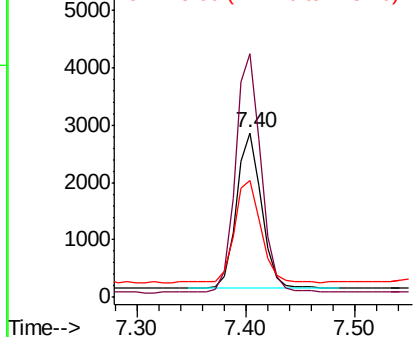
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Instrument :
BNA_N
ClientSampleId :
N3-SB1-1.0-1.5-082119

Tgt Ion:152 Resp: 4351
Ion Ratio Lower Upper
152 100
150 147.7 109.1 163.7
115 71.2 59.6 89.4



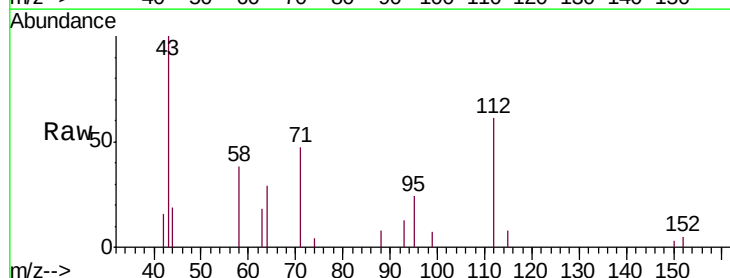
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



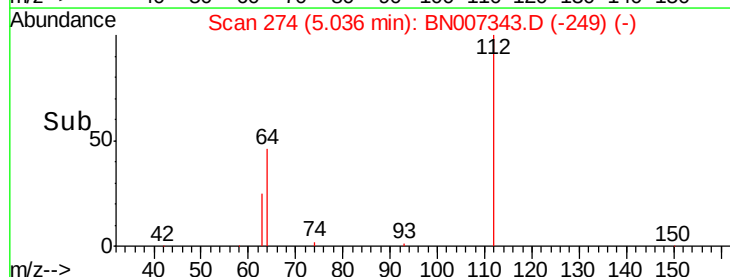
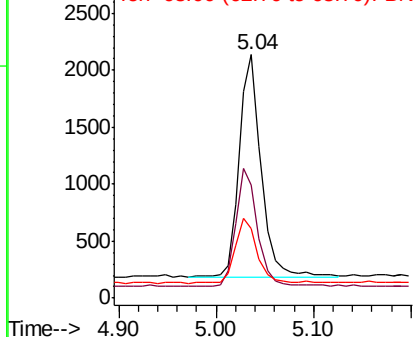
#4

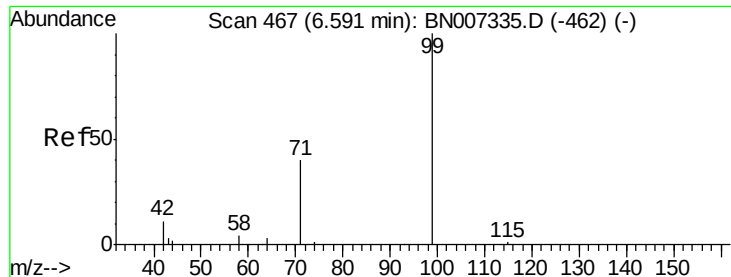
2-Fluorophenol
Concen: 0.190 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Tgt Ion:112 Resp: 3095
Ion Ratio Lower Upper
112 100
64 52.7 42.3 63.5
63 28.8 23.6 35.4



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





#5

Phenol-d6

Concen: 0.189 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

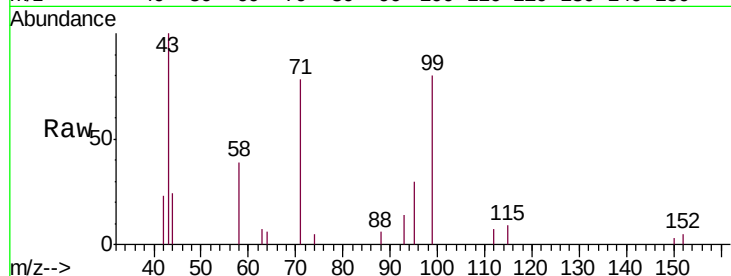
Tgt Ion: 99 Resp: 3927

Ion Ratio Lower Upper

99 100

42 15.3 11.2 16.8

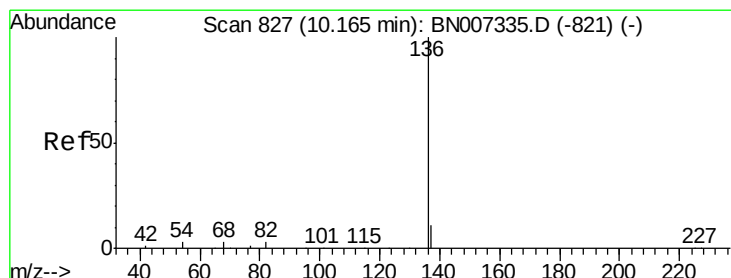
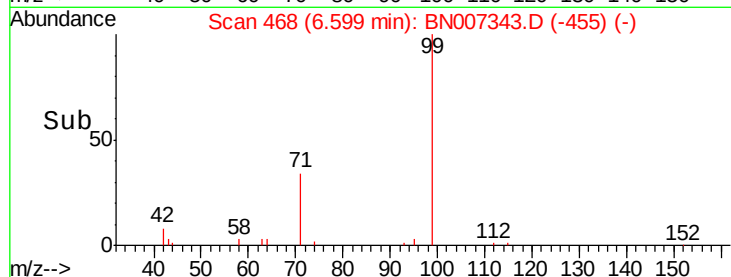
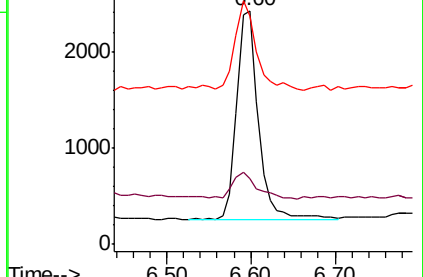
71 41.9 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007343.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007343.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007343.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Tgt Ion: 136 Resp: 17662

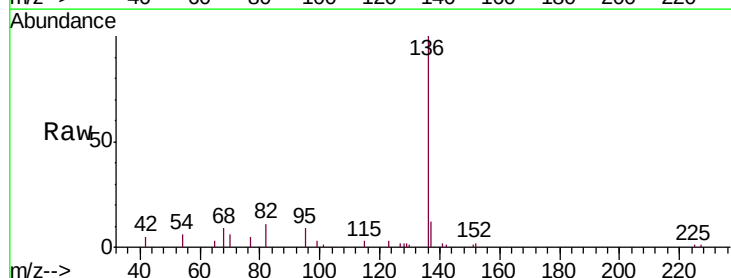
Ion Ratio Lower Upper

136 100

137 12.4 12.9 19.3#

54 5.7 8.6 12.8#

68 8.9 17.0 25.4#

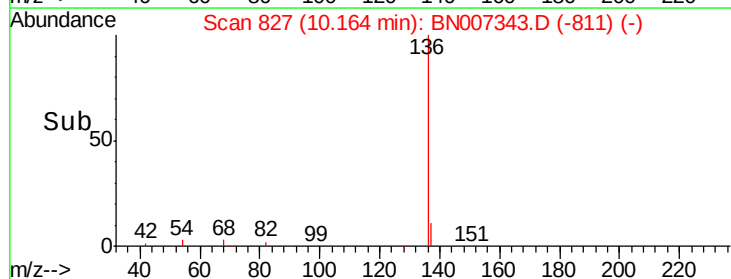
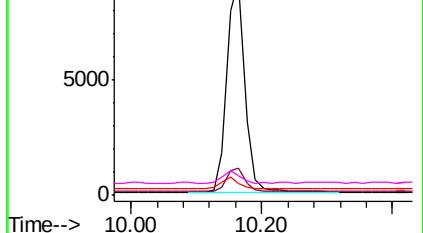


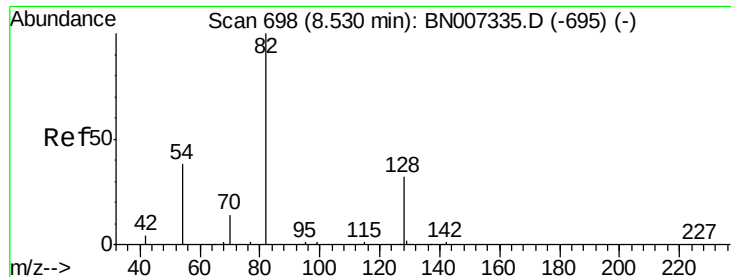
Abundance Ion 136.00 (135.70 to 136.70): BN007343.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007343.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007343.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007343.D (-821) (-)





#8

Nitrobenzene-d5

Concen: 0.183 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

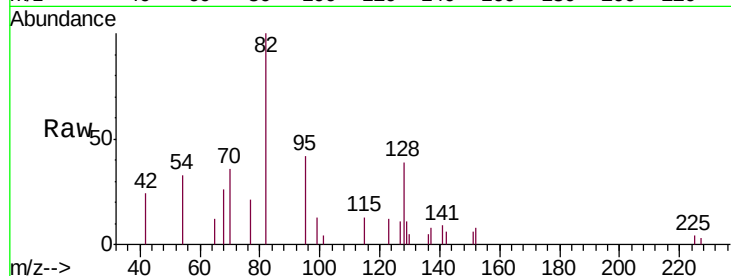
Tgt Ion: 82 Resp: 2820

Ion Ratio Lower Upper

82 100

128 38.7 19.7 29.5#

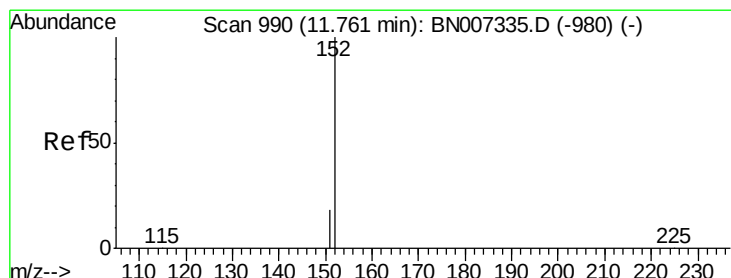
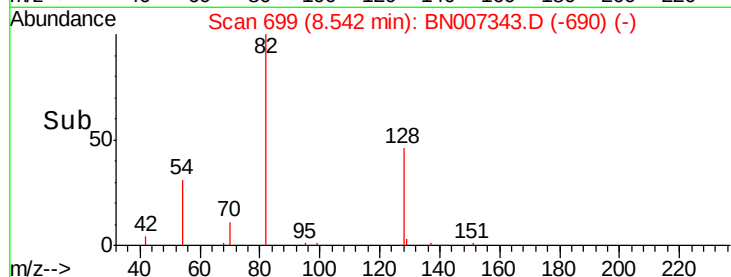
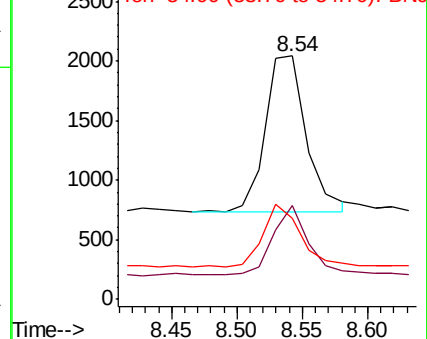
54 33.2 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BN007335.D (-695) (-)

Ion 128.00 (127.70 to 128.70): BN007335.D (-695) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-695) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.189 ng

RT: 11.76 min Scan# 990

Delta R.T. -0.00 min

Lab File: BN007343.D

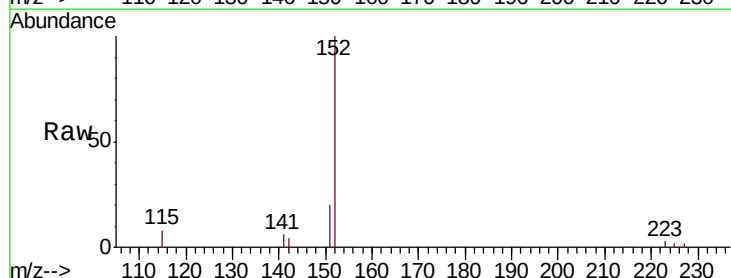
Acq: 24 Aug 2019 01:01

Tgt Ion: 152 Resp: 5541

Ion Ratio Lower Upper

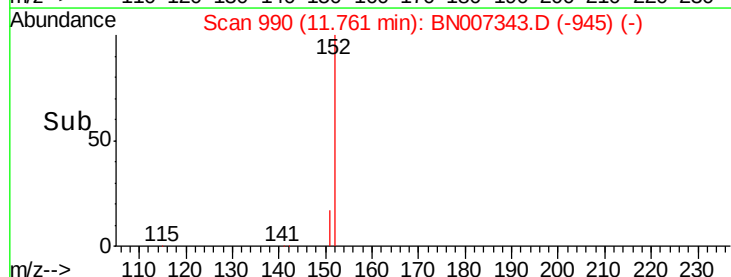
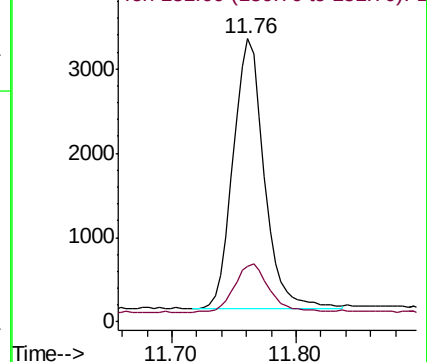
152 100

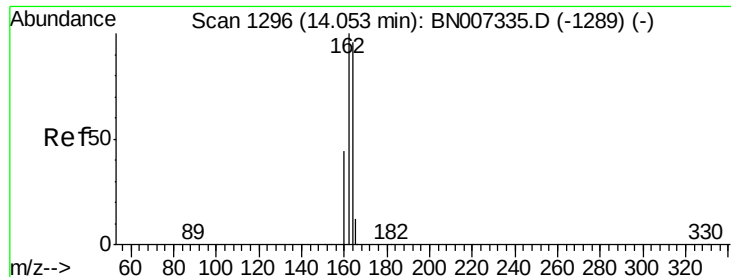
151 19.9 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): BN007335.D (-980) (-)

Ion 151.00 (150.70 to 151.70): BN007335.D (-980) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

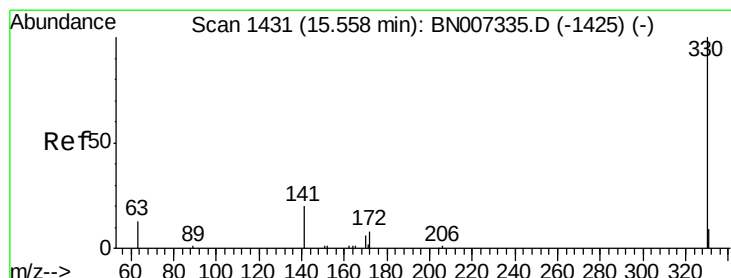
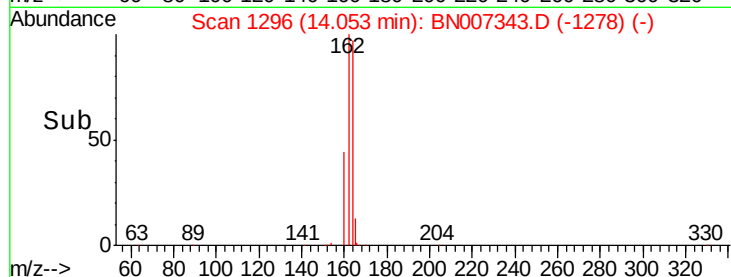
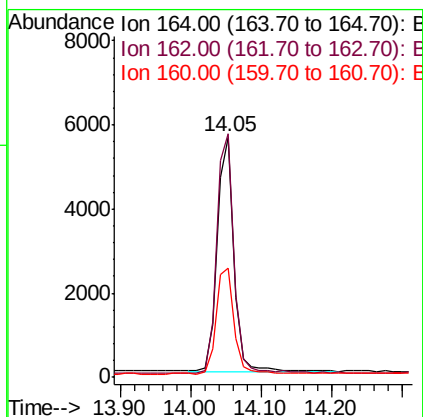
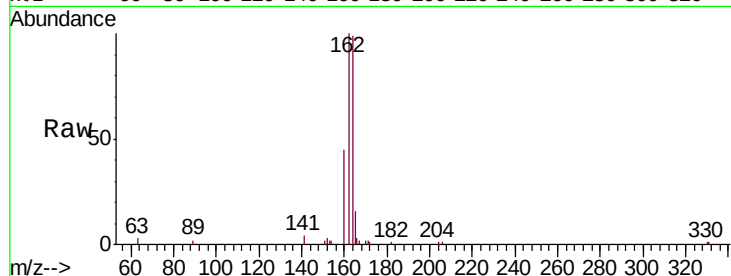
Tgt Ion:164 Resp: 9252

Ion Ratio Lower Upper

164 100

162 101.3 83.5 125.3

160 45.5 38.2 57.4



#14

2,4,6-Tribromophenol

Concen: 0.173 ng

RT: 15.56 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

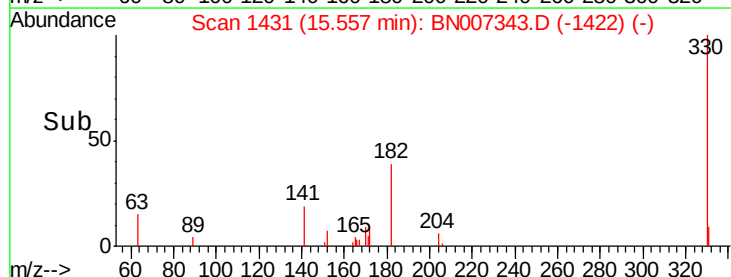
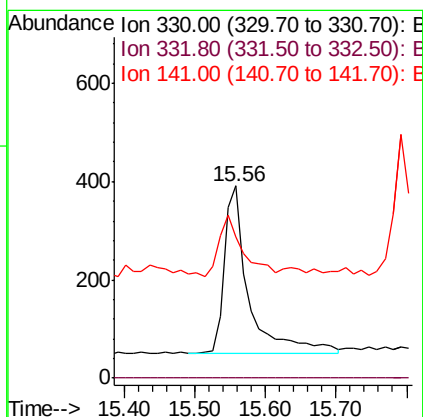
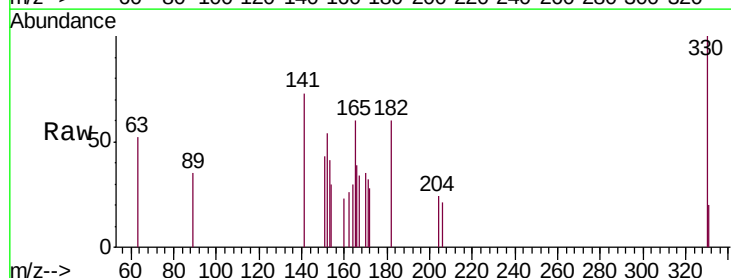
Tgt Ion:330 Resp: 838

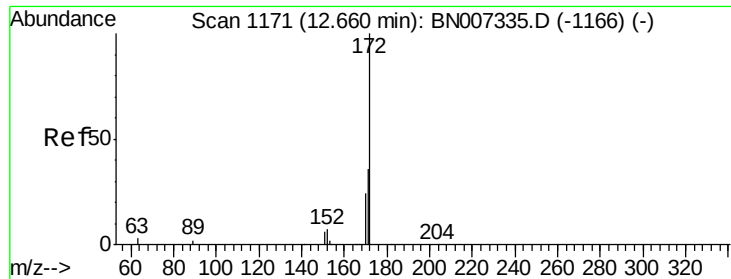
Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 35.1 26.9 40.3

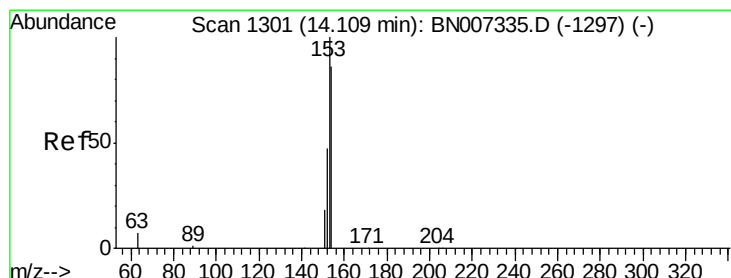
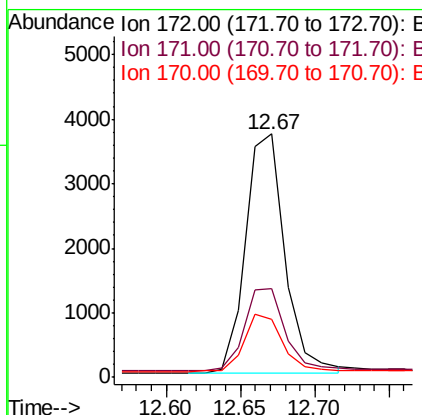
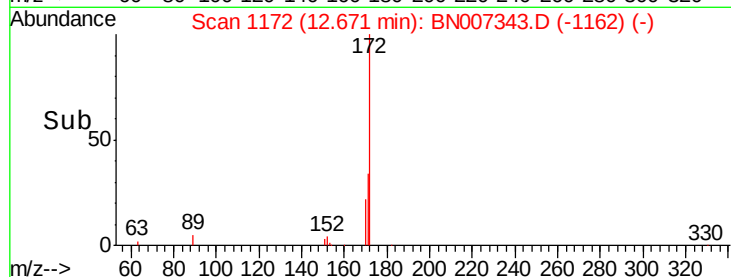
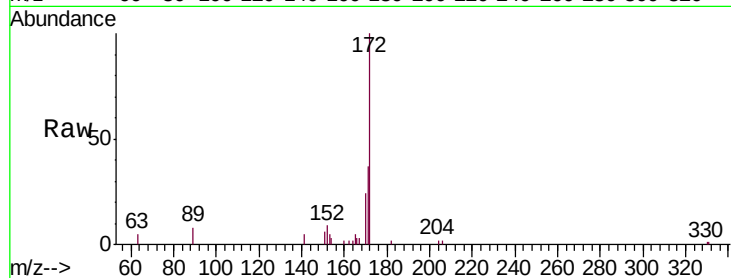




#15
2-Fluorobiphenyl
Concen: 0.182 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

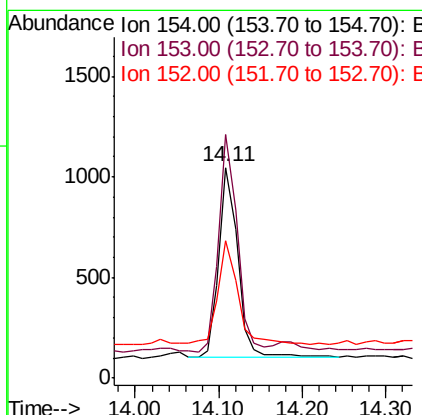
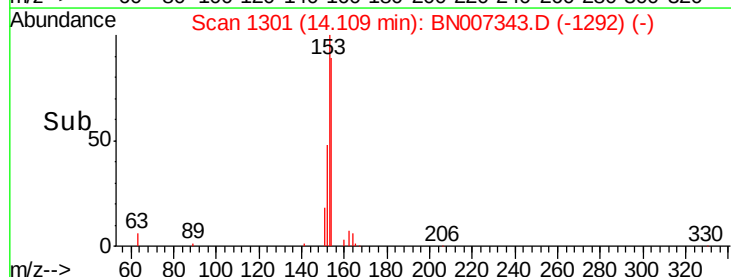
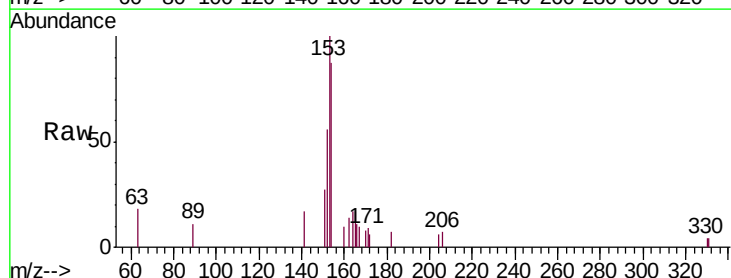
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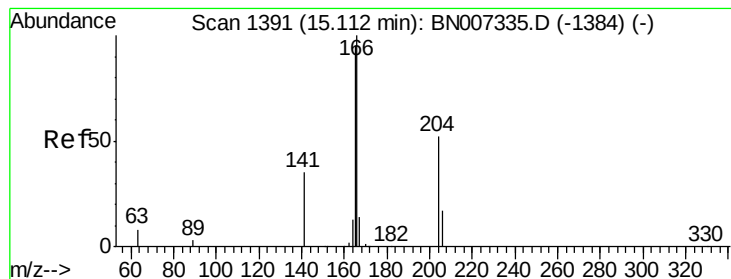
Tgt Ion:172 Resp: 6775
Ion Ratio Lower Upper
172 100
171 36.6 30.3 45.5
170 23.8 20.7 31.1



#17
Acenaphthene
Concen: 0.047 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Tgt Ion:154 Resp: 1509
Ion Ratio Lower Upper
154 100
153 109.6 92.8 139.2
152 57.1 43.8 65.8





#18

Fluorene

Concen: 0.038 ng

RT: 15.11 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

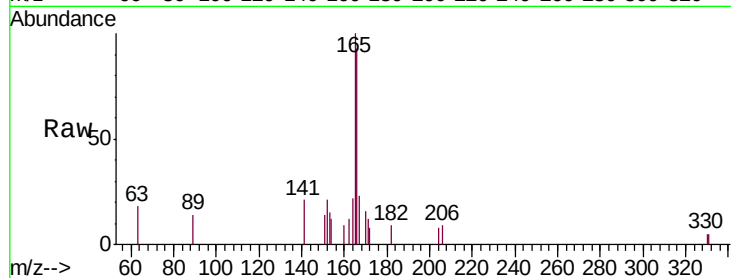
Tgt Ion:166 Resp: 1534

Ion Ratio Lower Upper

166 100

165 89.0 79.0 118.4

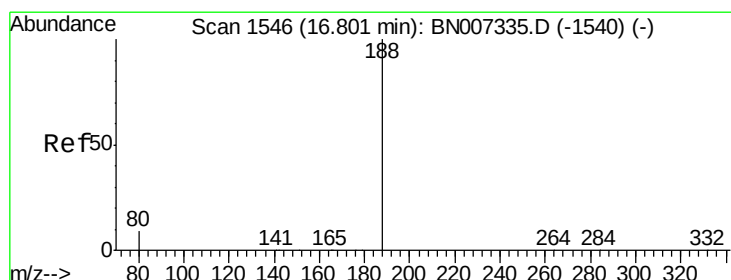
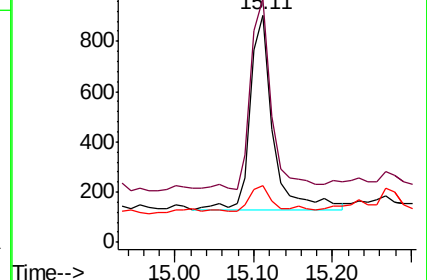
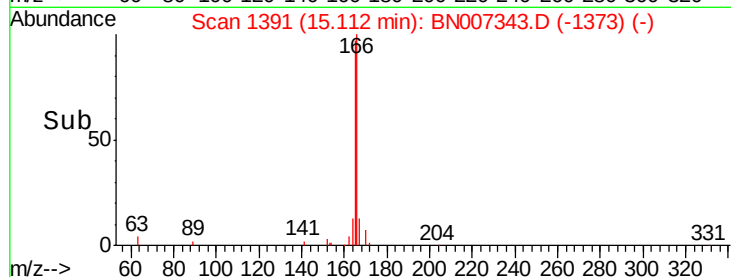
167 12.5 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1546

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

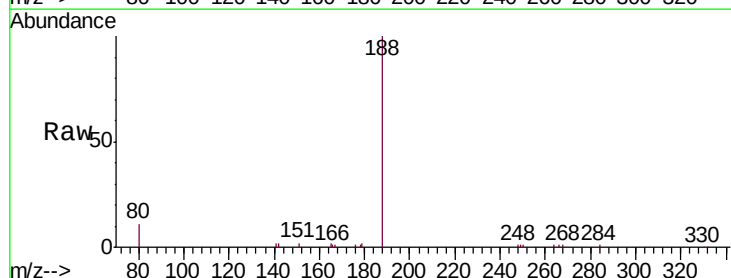
Tgt Ion:188 Resp: 21294

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

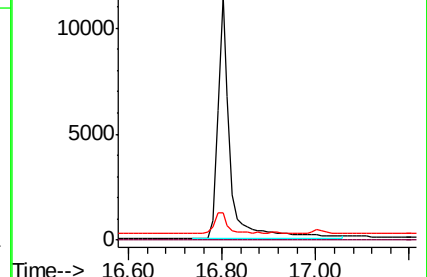
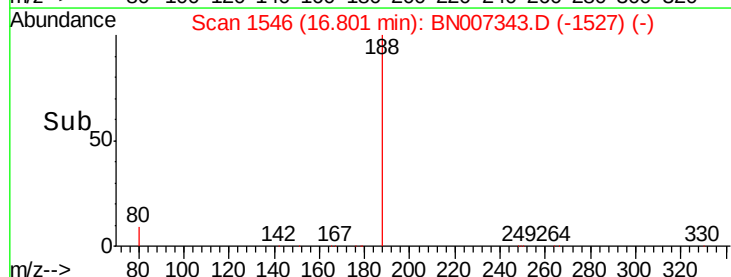
80 11.3 11.8 17.8#

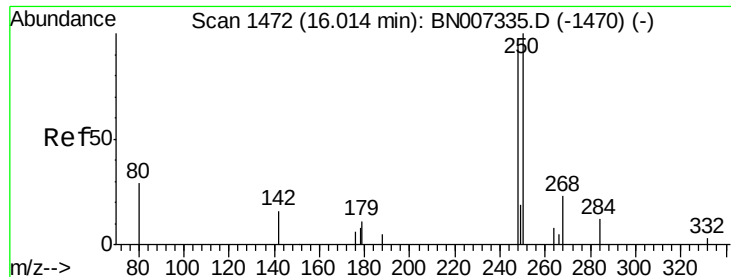


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#20

4-Bromophenyl-phenylether

Concen: 0.023 ng

RT: 16.01 min Scan# 1472

Delta R.T. 0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

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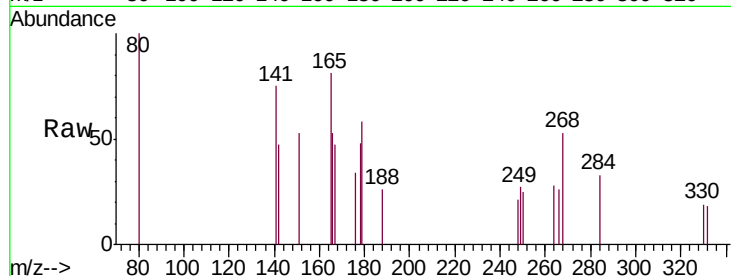
Tgt Ion:248 Resp: 193

Ion Ratio Lower Upper

248 100

250 118.0 85.0 127.6

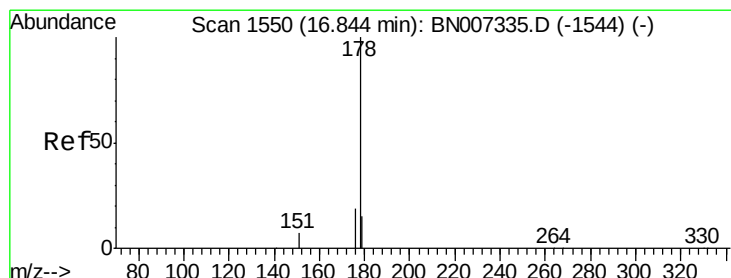
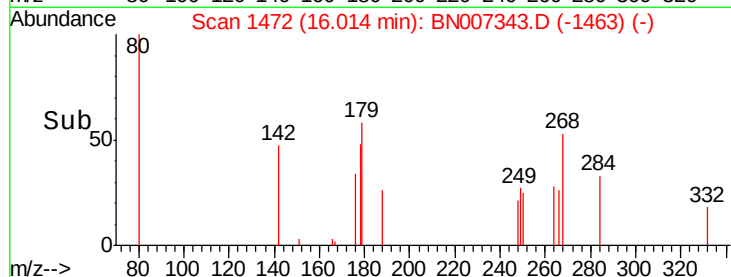
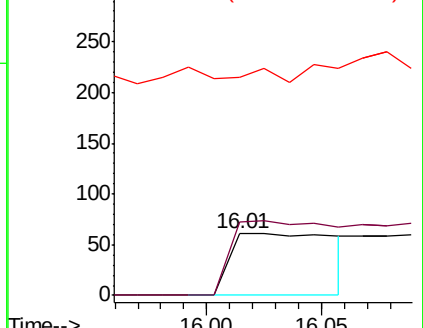
141 352.5 51.7 77.5#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#23

Phenanthrene

Concen: 0.357 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

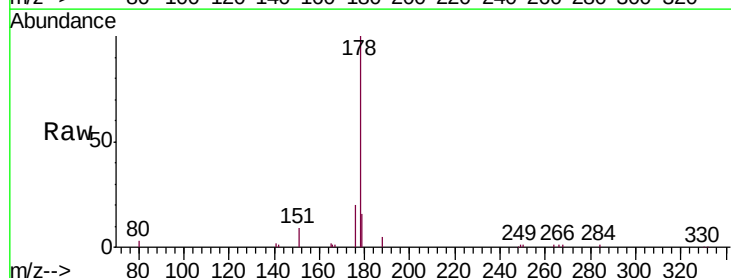
Tgt Ion:178 Resp: 22875

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

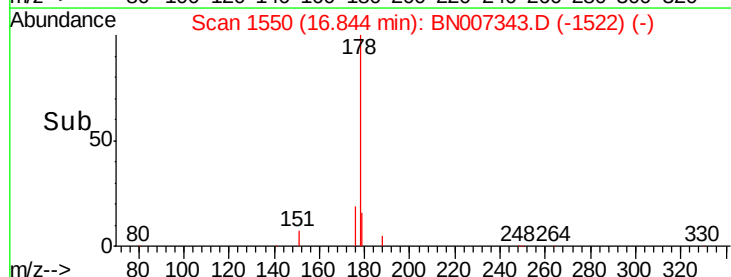
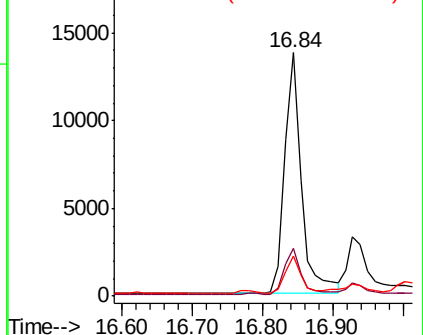
179 14.5 12.6 19.0

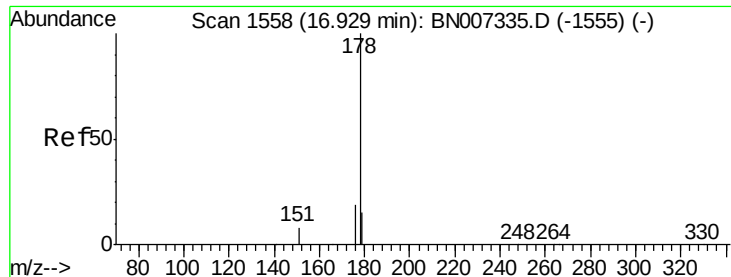


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.093 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

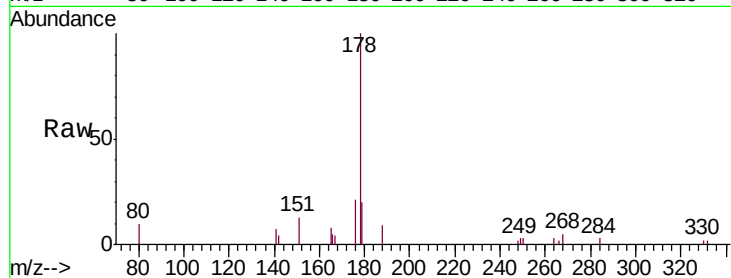
Tgt Ion:178 Resp: 5981

Ion Ratio Lower Upper

178 100

176 16.9 14.9 22.3

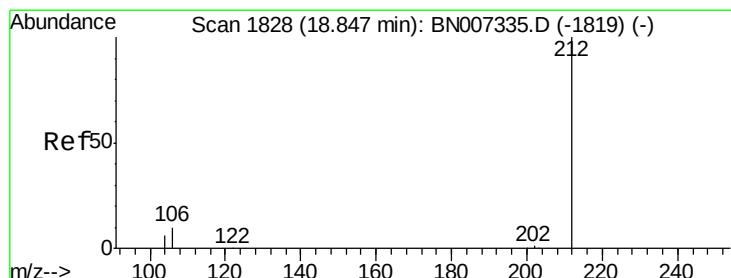
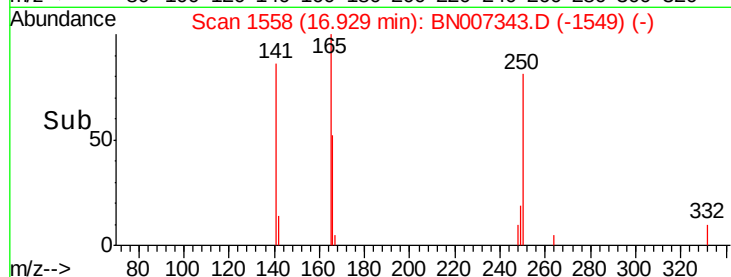
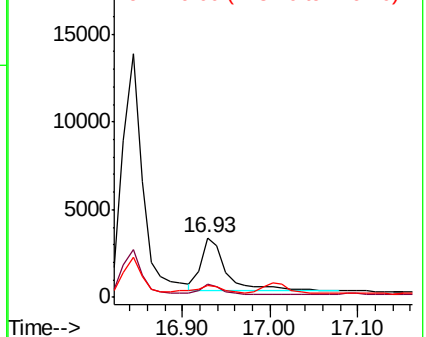
179 14.7 12.4 18.6



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



#25

Fluoranthene-d10

Concen: 0.188 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

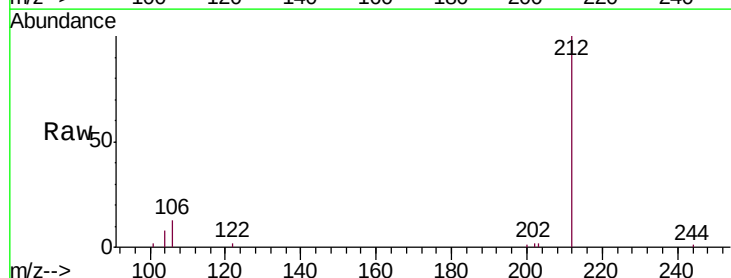
Tgt Ion:212 Resp: 12912

Ion Ratio Lower Upper

212 100

106 11.2 9.0 13.4

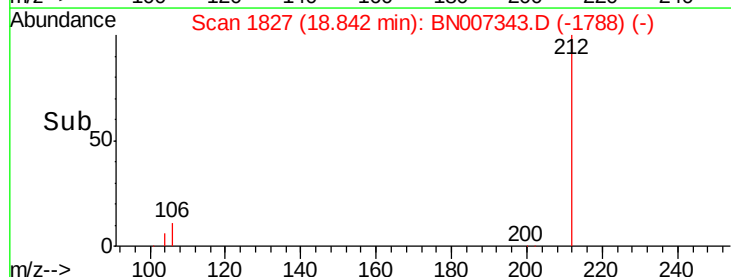
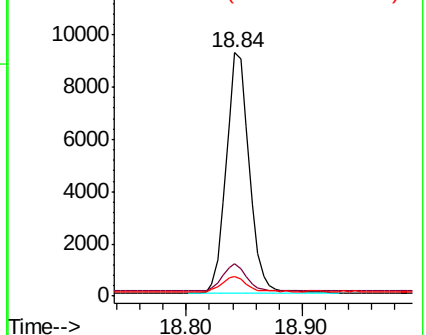
104 6.7 5.4 8.2

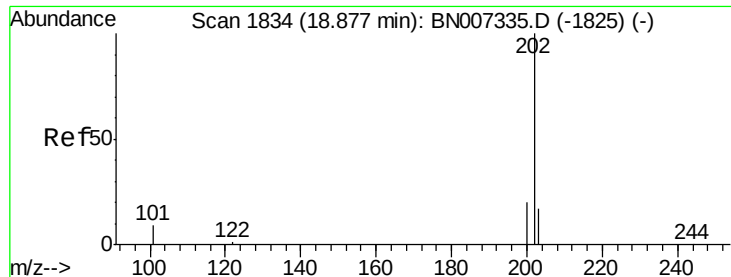


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

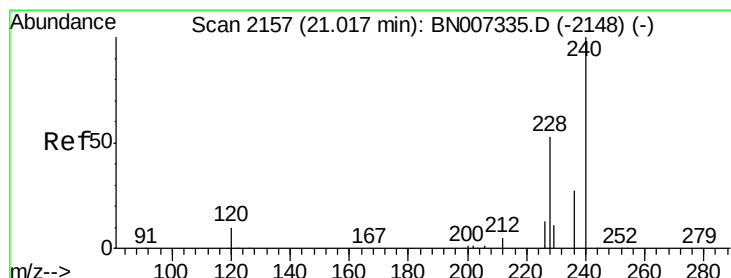
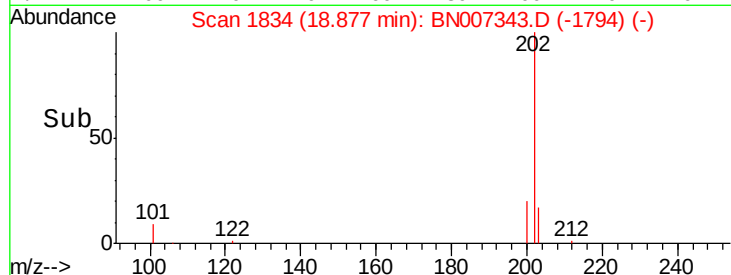
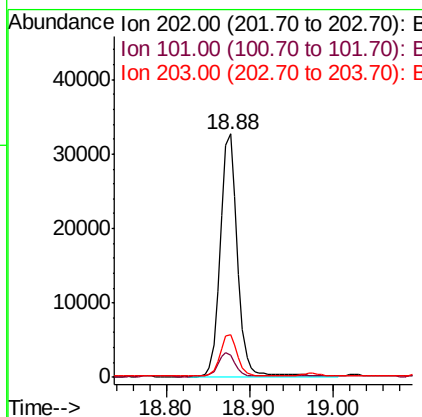
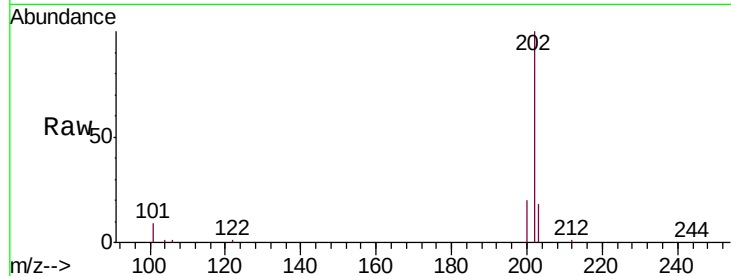




#26
Fluoranthene
Concen: 0.564 ng
RT: 18.88 min Scan# 1834
Delta R.T. -0.00 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

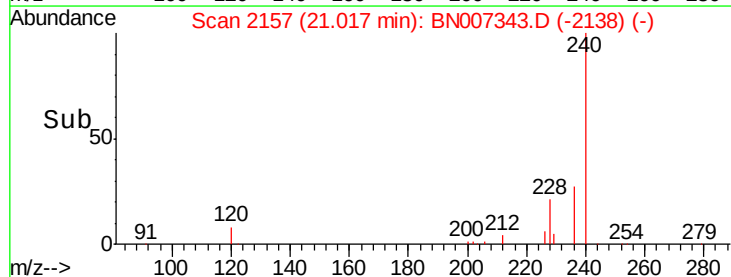
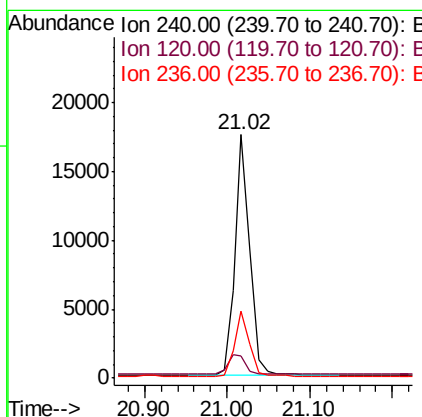
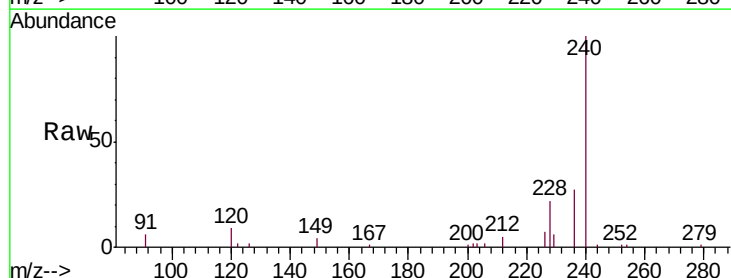
Instrument :
BNA_N
ClientSampleId :
N3-SB1-1.0-1.5-082119

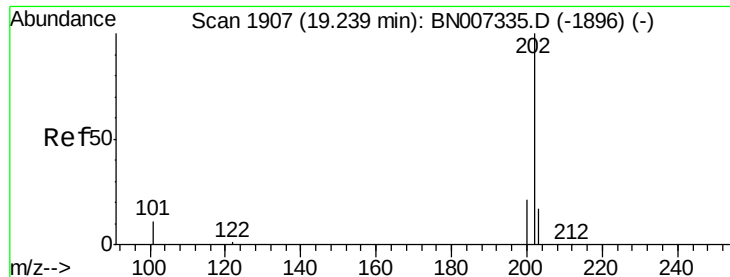
Tgt Ion:202 Resp: 46399
Ion Ratio Lower Upper
202 100
101 9.5 7.7 11.5
203 17.0 13.7 20.5



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Tgt Ion:240 Resp: 22442
Ion Ratio Lower Upper
240 100
120 9.1 9.6 14.4#
236 27.3 22.2 33.2





#28

Pyrene

Concen: 0.440 ng

RT: 19.24 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

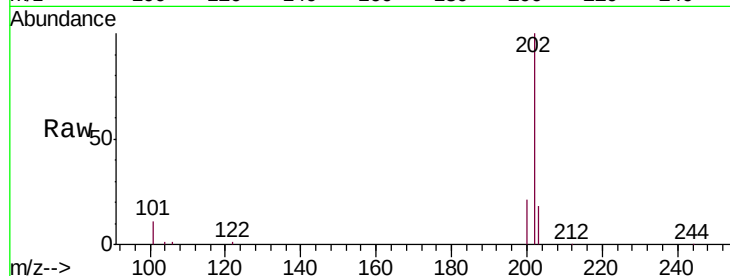
Tgt Ion:202 Resp: 39691

Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

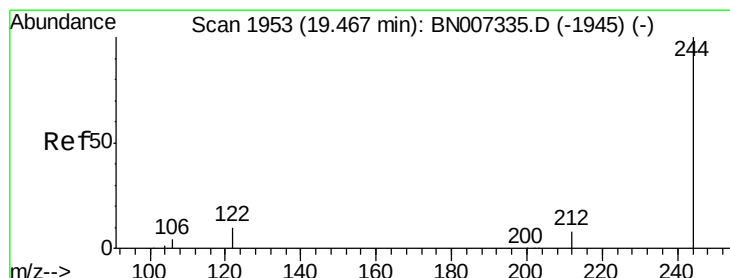
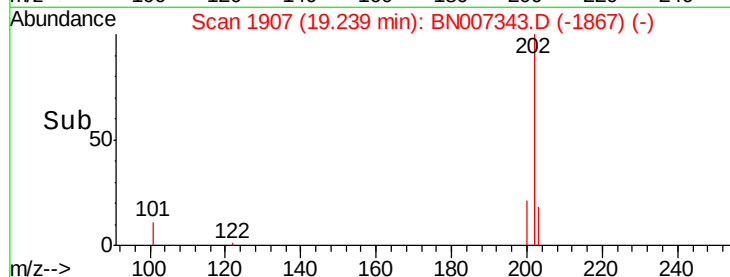
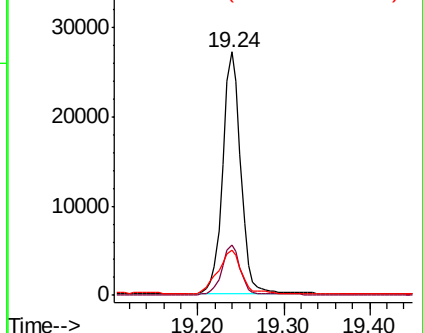
203 23.6 14.2 21.4#



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



#29

Terphenyl-d14

Concen: 0.164 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

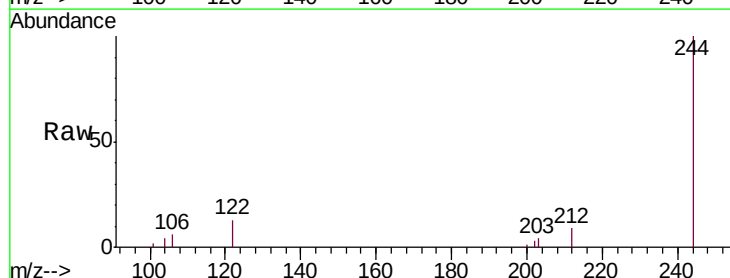
Tgt Ion:244 Resp: 9633

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

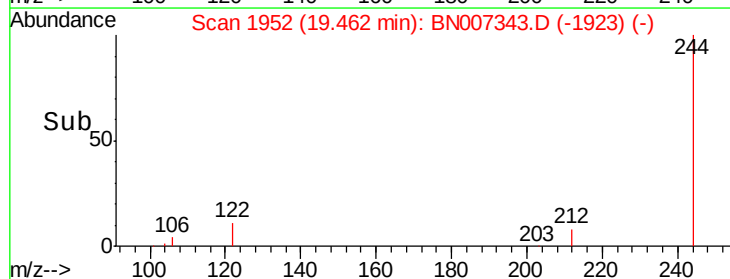
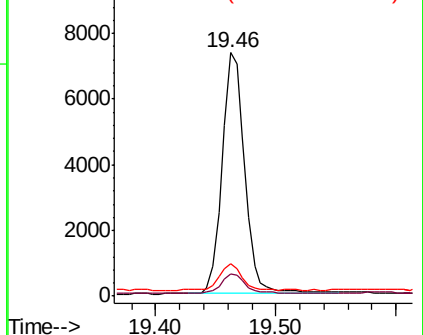
122 13.2 9.6 14.4

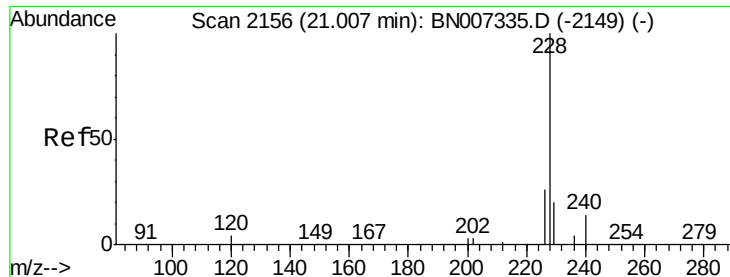


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.256 ng

RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

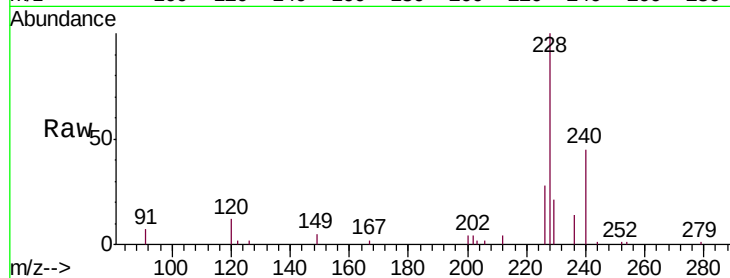
Tgt Ion:228 Resp: 22579

Ion Ratio Lower Upper

228 100

226 27.7 21.3 31.9

229 21.4 16.1 24.1

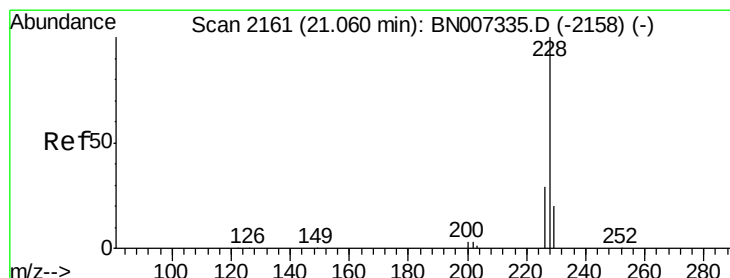
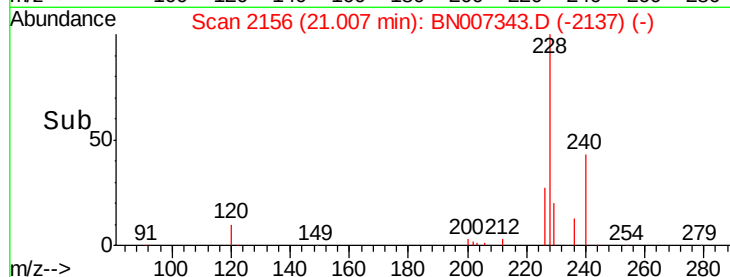
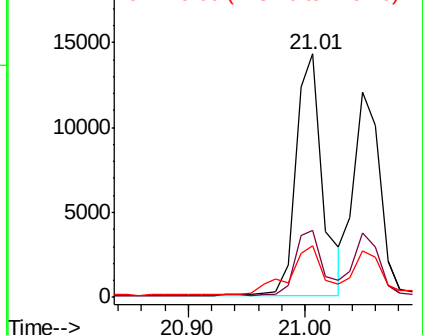


Abundance

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

Chrysene

Concen: 0.216 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

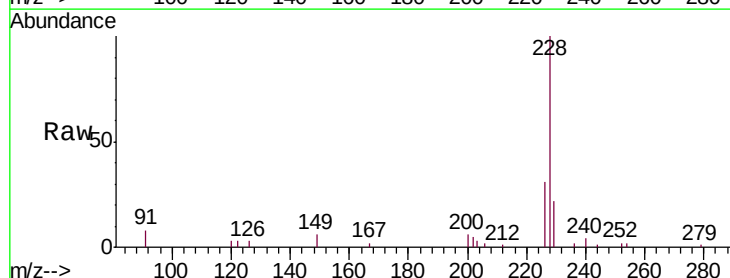
Tgt Ion:228 Resp: 18339

Ion Ratio Lower Upper

228 100

226 31.3 23.5 35.3

229 22.4 16.6 24.8

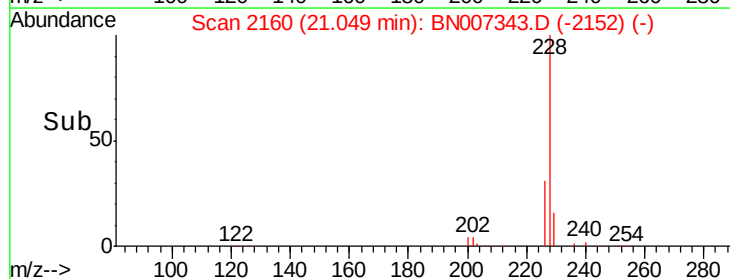
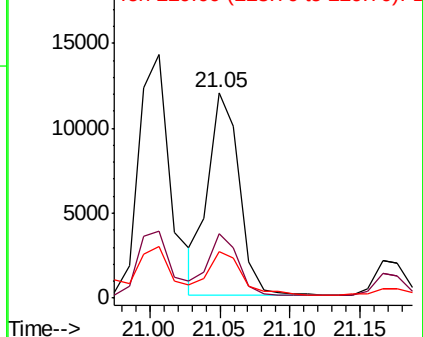


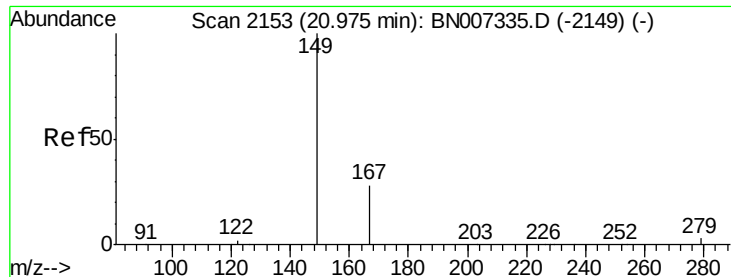
Abundance

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

Bis(2-ethylhexyl)phthalate

Concen: 0.032 ng

RT: 20.97 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

Instrument :

BNA_N

ClientSampleId :

N3-SB1-1.0-1.5-082119

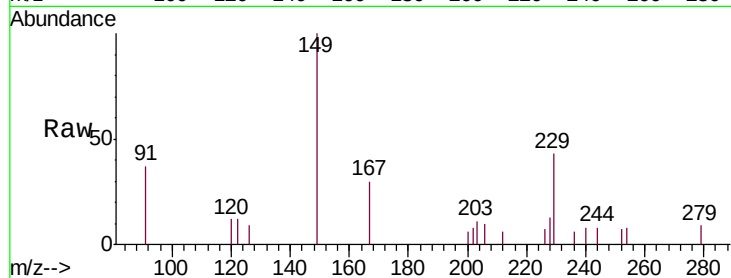
Tgt Ion:149 Resp: 2918

Ion Ratio Lower Upper

149 100

167 25.8 22.8 34.2

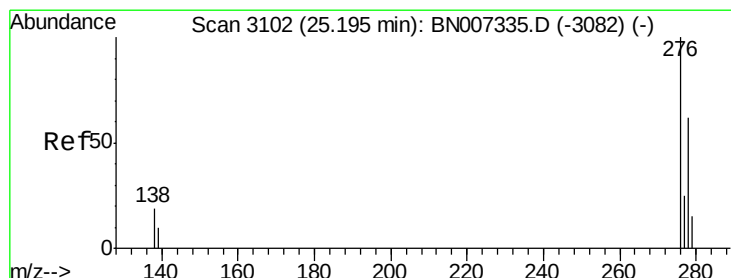
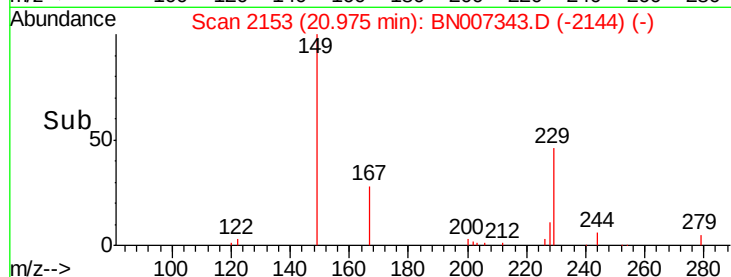
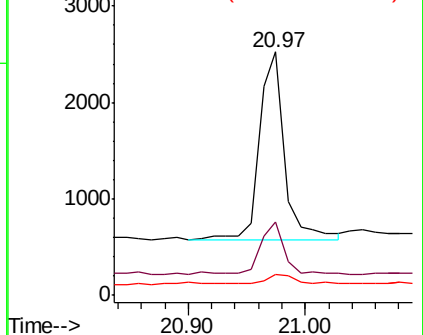
279 6.2 3.5 5.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.124 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN007343.D

Acq: 24 Aug 2019 01:01

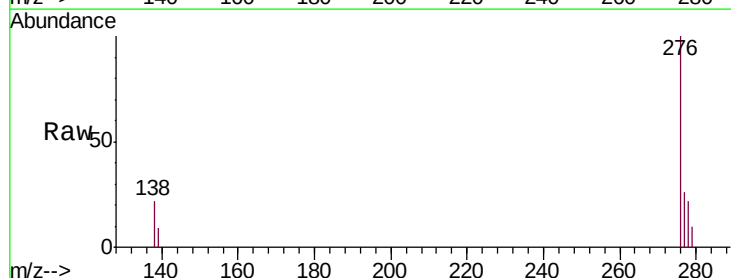
Tgt Ion:276 Resp: 12702

Ion Ratio Lower Upper

276 100

138 17.1 15.1 22.7

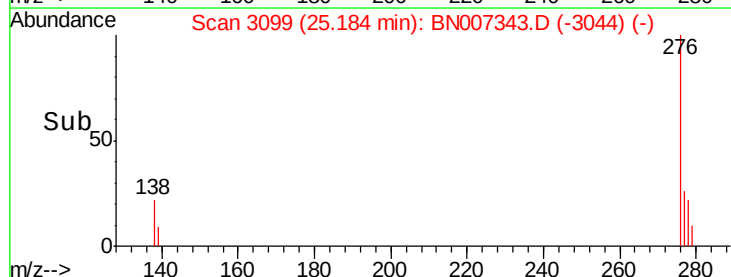
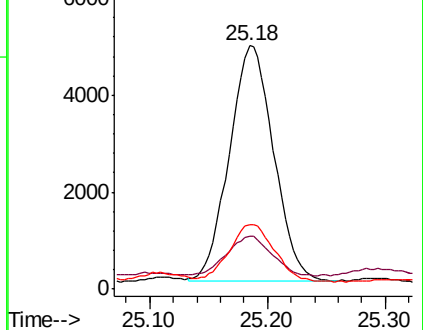
277 24.7 19.7 29.5

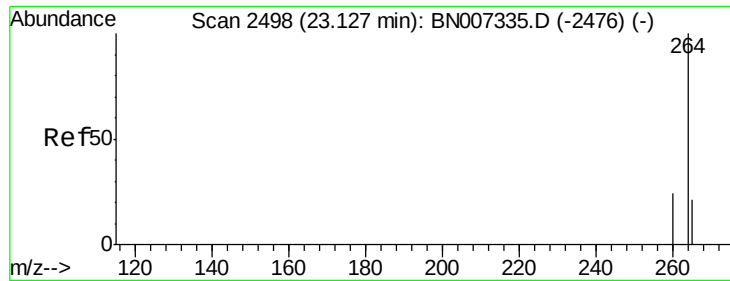


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

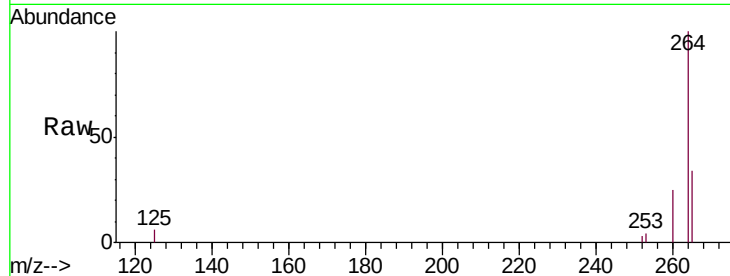




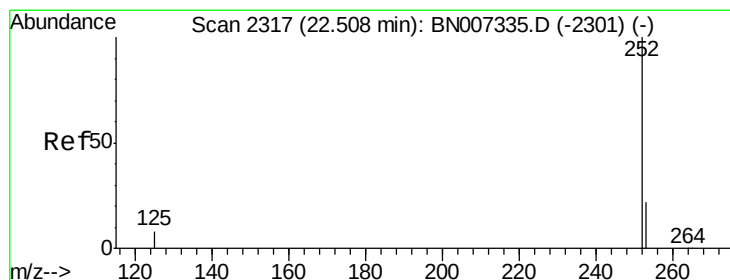
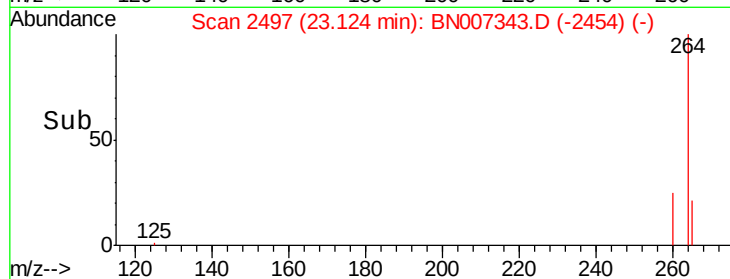
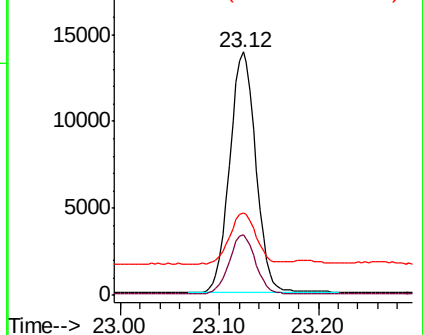
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.12 min Scan# 2497
 Delta R.T. -0.00 min
 Lab File: BN007343.D
 Acq: 24 Aug 2019 01:01

Instrument :
 BNA_N
 ClientSampleId :
 N3-SB1-1.0-1.5-082119

Tgt Ion: 264 Resp: 25392
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.7 29.5
 265 34.0 29.9 44.9

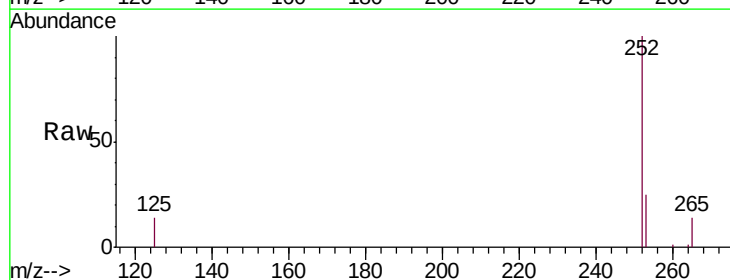


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

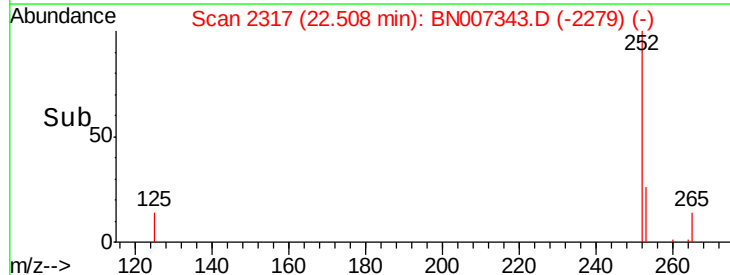
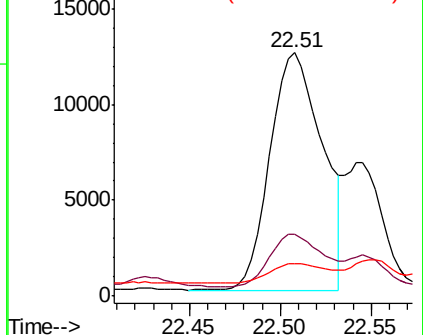


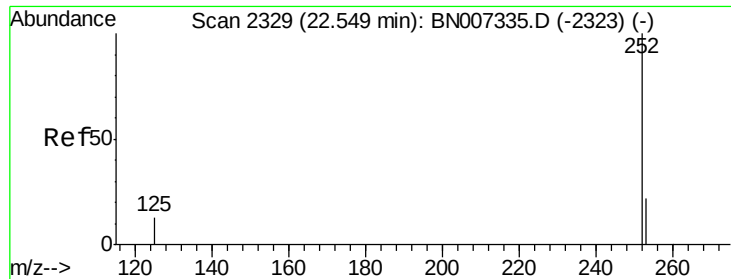
#35
 Benzo(b)fluoranthene
 Concen: 0.270 ng
 RT: 22.51 min Scan# 2317
 Delta R.T. -0.00 min
 Lab File: BN007343.D
 Acq: 24 Aug 2019 01:01

Tgt Ion: 252 Resp: 24811
 Ion Ratio Lower Upper
 252 100
 253 25.3 19.2 28.8
 125 13.5 10.6 16.0



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

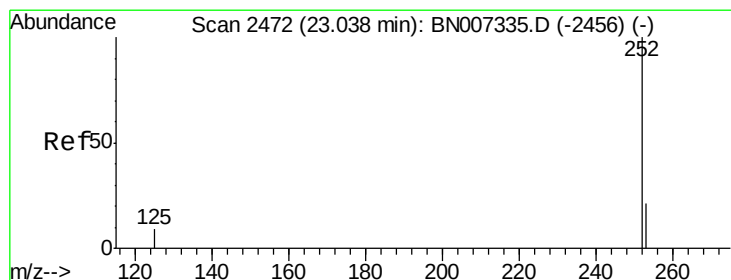
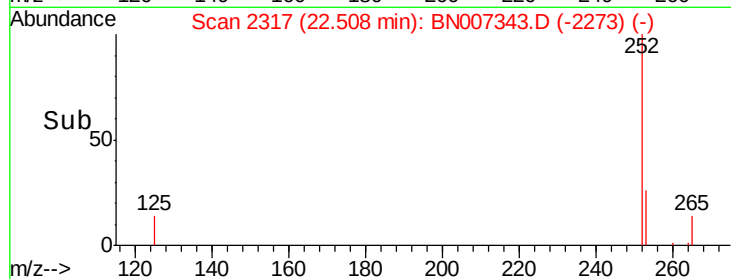
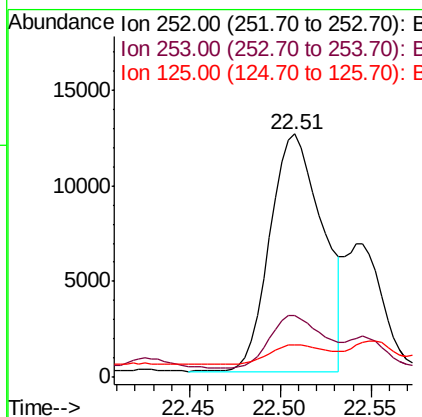
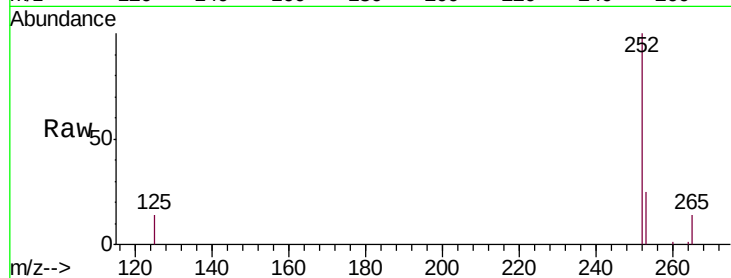




#36
Benzo(k)fluoranthene
Concen: 0.273 ng
RT: 22.51 min Scan# 2317
Delta R.T. -0.04 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

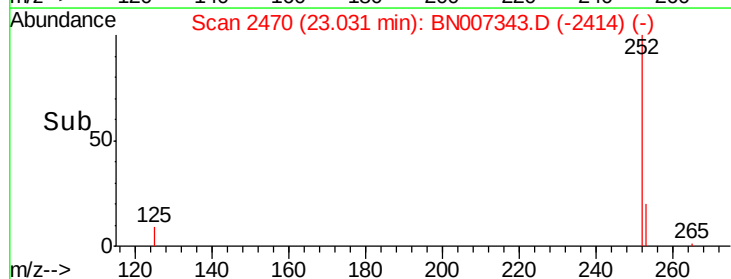
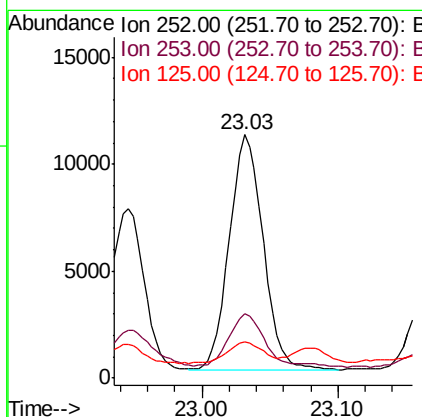
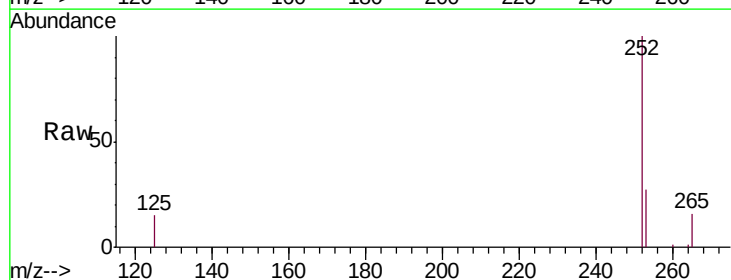
Instrument :
BNA_N
ClientSampleId :
N3-SB1-1.0-1.5-082119

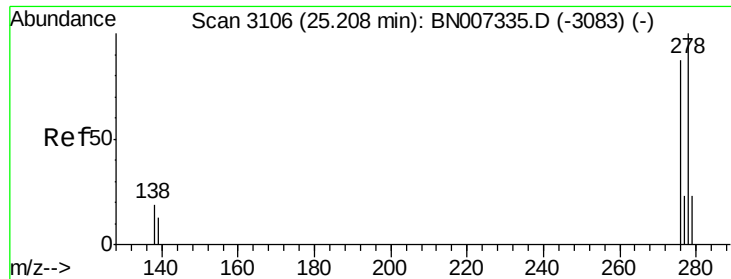
Tgt Ion: 252 Resp: 24811
Ion Ratio Lower Upper
252 100
253 25.3 19.4 29.2
125 13.5 13.1 19.7



#37
Benzo(a)pyrene
Concen: 0.216 ng
RT: 23.03 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Tgt Ion: 252 Resp: 18930
Ion Ratio Lower Upper
252 100
253 26.5 19.5 29.3
125 15.1 12.1 18.1

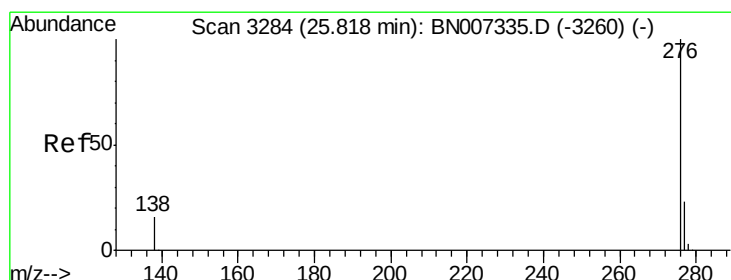
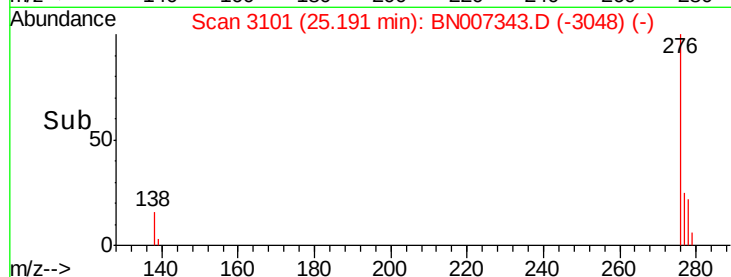
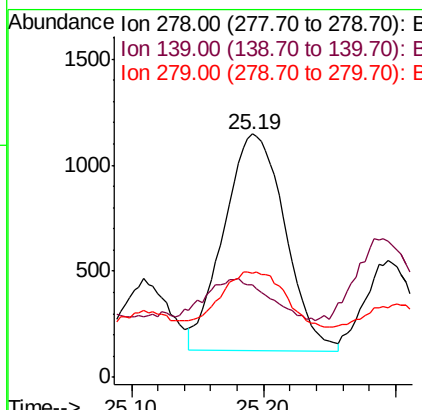
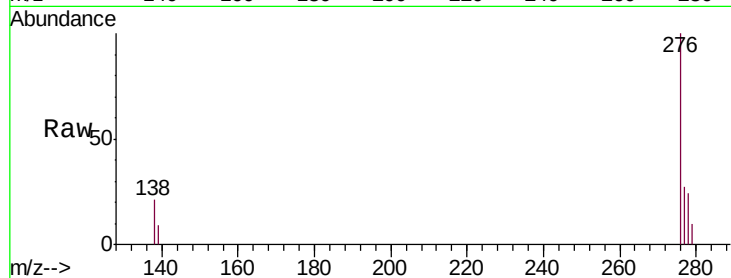




#38
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Instrument :
BNA_N
ClientSampleId :
N3-SB1-1.0-1.5-082119

Tgt Ion: 278 Resp: 3284
Ion Ratio Lower Upper
278 100
139 38.3 13.7 20.5#
279 42.5 20.2 30.4#



#39
Benzo(g,h,i)perylene
Concen: 0.151 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.00 min
Lab File: BN007343.D
Acq: 24 Aug 2019 01:01

Tgt Ion: 276 Resp: 13186
Ion Ratio Lower Upper
276 100
277 25.5 19.6 29.4
138 21.8 16.3 24.5

