

Data File : BN007347.D
Acq On : 24 Aug 2019 03:25
Operator : HP/JU
Sample : K4470-01 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S702-N-0.0-0.5-082119

Quant Time: Aug 24 07:34:49 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	4937	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	20314	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	11176	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	24953	0.40	ng	0.00
27) Chrysene-d12	21.02	240	26071	0.40	ng	0.00
34) Perylene-d12	23.12	264	28793	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	313	-0.01	ng	0.00
5) Phenol-d6	6.59	99	470	-0.01	ng	0.00
8) Nitrobenzene-d5	8.54	82	370	0.02	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	726	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	124	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	887	0.02	ng	0.01
25) Fluoranthene-d10	18.84	212	1654	0.02	ng	0.00
29) Terphenyl-d14	19.46	244	1450	0.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Acenaphthene	14.11	154	2467	0.064	ng	96
18) Fluorene	15.11	166	2516	0.051	ng	89
23) Phenanthrene	16.84	178	60057	0.800	ng	99
24) Anthracene	16.93	178	9242	0.122	ng	# 88
26) Fluoranthene	18.87	202	170952	1.774	ng	100
28) Pyrene	19.24	202	147797	1.409	ng	# 96
30) Benzo(a)anthracene	21.01	228	75854	0.741	ng	96
31) Chrysene	21.05	228	85751	0.868	ng	98
32) Bis(2-ethylhexyl)phthalate	20.97	149	28107	0.405	ng	99
33) Indeno(1,2,3-cd)pyrene	25.18	276	63019	0.529	ng	98
35) Benzo(b)fluoranthene	22.50	252	126191	1.210	ng	# 95
36) Benzo(k)fluoranthene	22.50	252	126191	1.224	ng	# 92
37) Benzo(a)pyrene	22.95	252	65908	0.664	ng	97
38) Dibenzo(a,h)anthracene	25.19	278	15788	0.159	ng	# 90
39) Benzo(g,h,i)perylene	25.81	276	65067	0.659	ng	97

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

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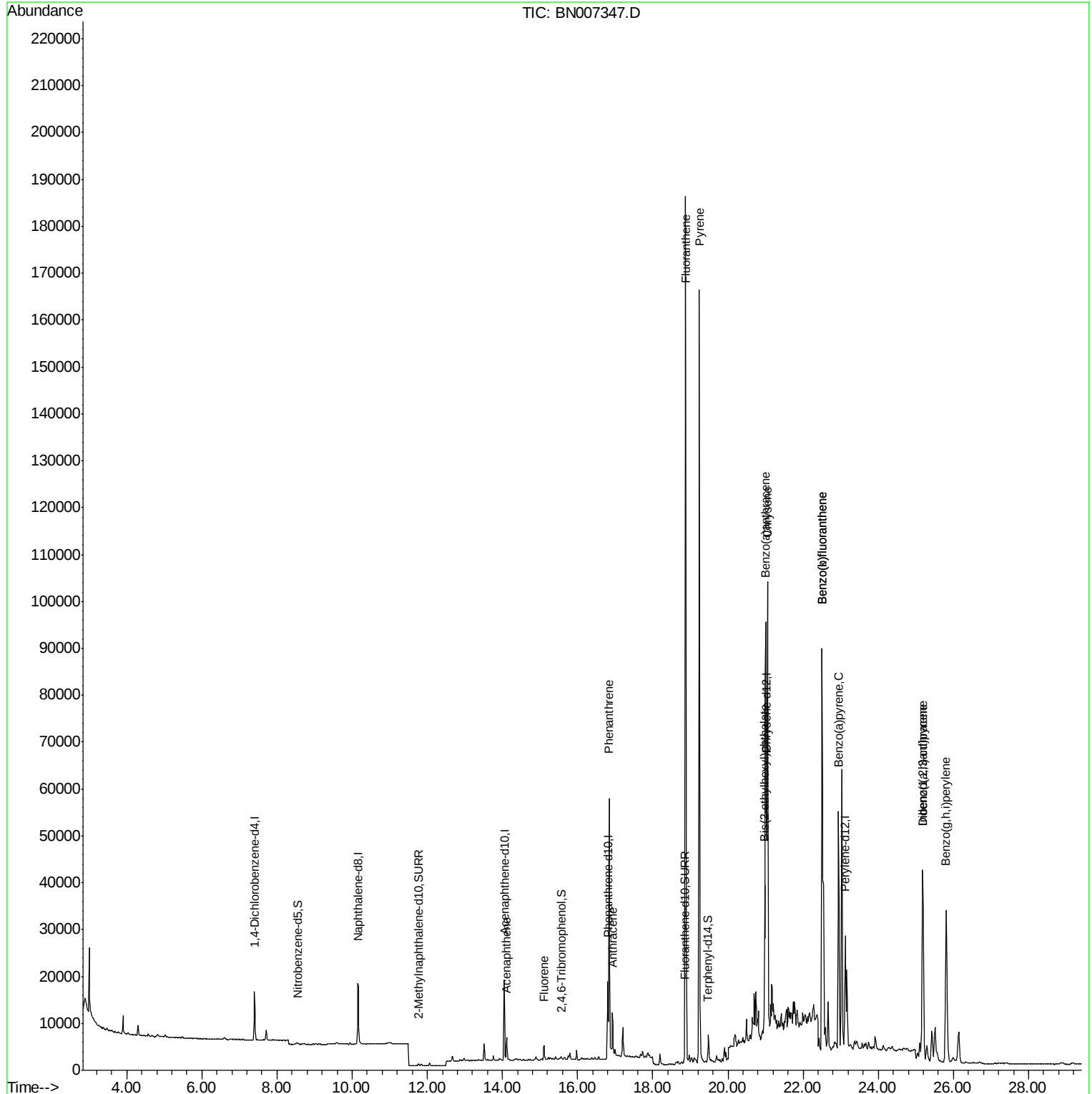
Quant Time: Aug 24 07:34:49 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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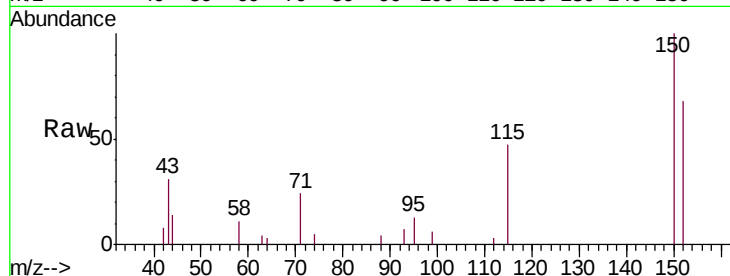


#1

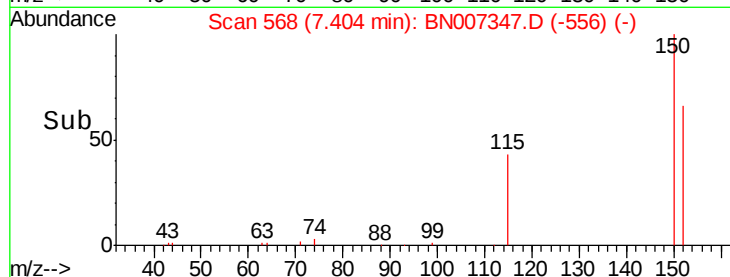
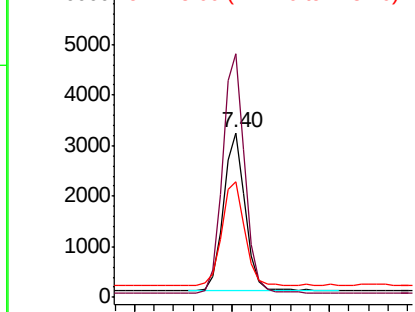
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007347.D
Acq: 24 Aug 2019 03:25

Instrument :
BNA_N
ClientSampleId :
S702-N-0.0-0.5-082119

Tgt Ion:152 Resp: 4937
Ion Ratio Lower Upper
152 100
150 147.8 109.1 163.7
115 70.0 59.6 89.4



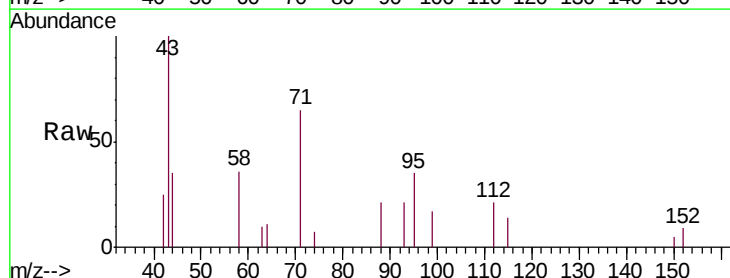
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



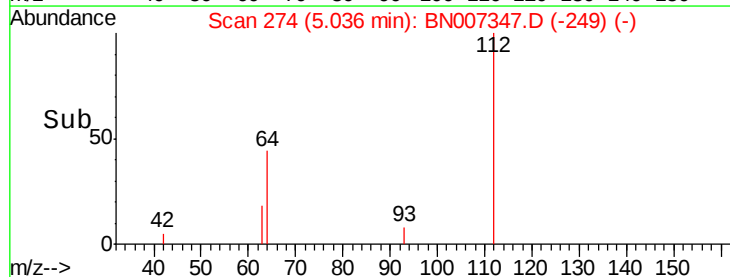
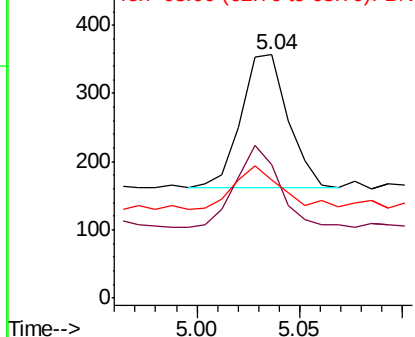
#4

2-Fluorophenol
Concen: -0.011 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007347.D
Acq: 24 Aug 2019 03:25

Tgt Ion:112 Resp: 313
Ion Ratio Lower Upper
112 100
64 58.5 42.3 63.5
63 32.6 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: -0.009 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

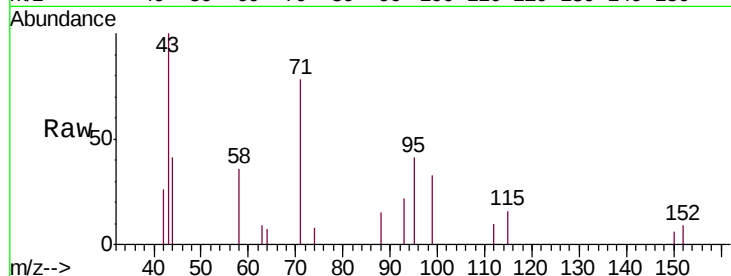
Tgt Ion: 99 Resp: 470

Ion Ratio Lower Upper

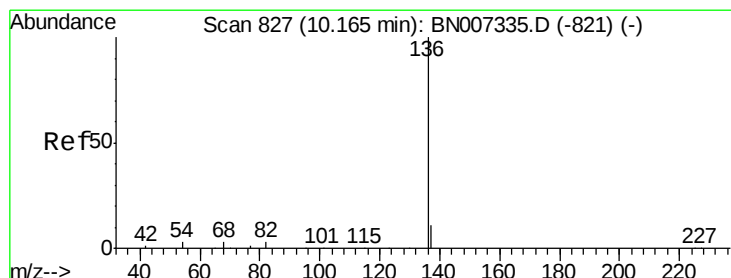
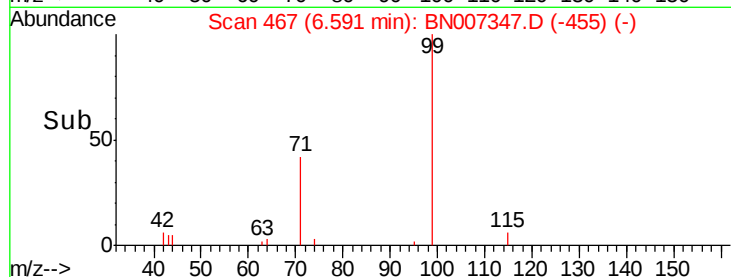
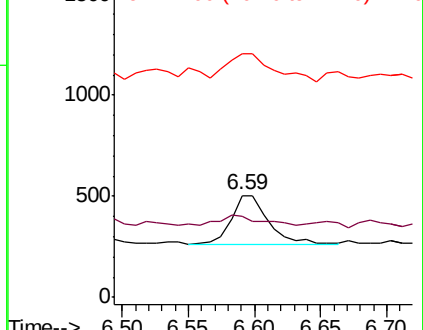
99 100

42 22.1 11.2 16.8#

71 71.5 31.8 47.8#



Abundance Ion 99.00 (98.70 to 99.70): BNO
Ion 42.00 (41.70 to 42.70): BNO
Ion 71.00 (70.70 to 71.70): BNO



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Tgt Ion: 136 Resp: 20314

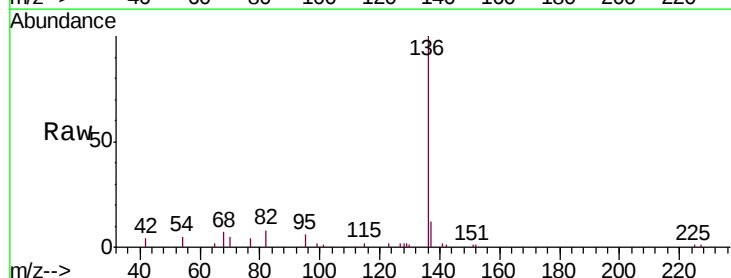
Ion Ratio Lower Upper

136 100

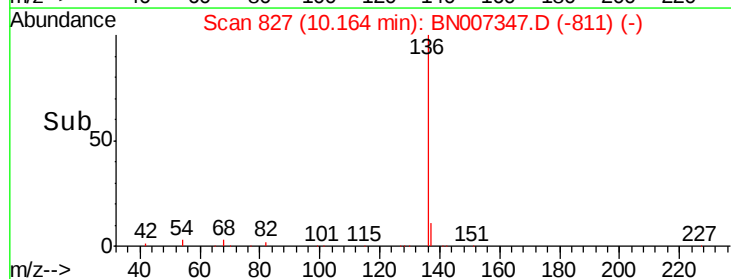
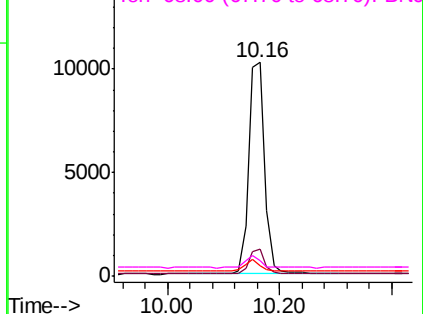
137 12.3 12.9 19.3#

54 5.1 8.6 12.8#

68 7.2 17.0 25.4#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BNO
Ion 68.00 (67.70 to 68.70): BNO

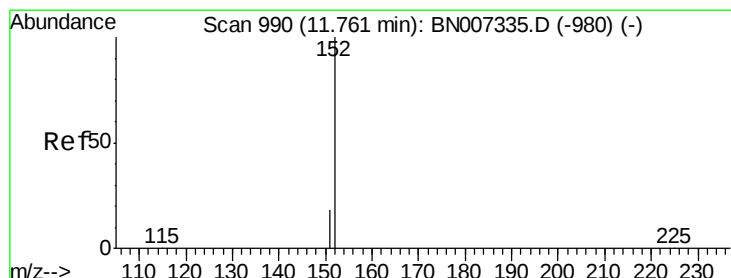
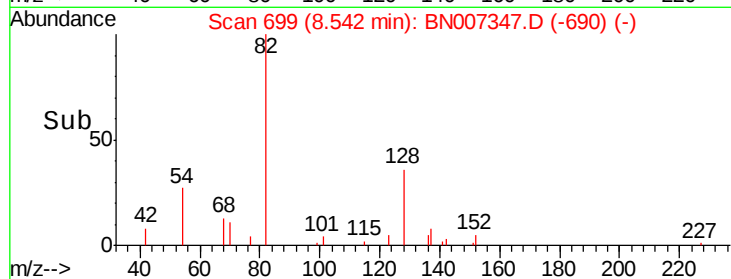
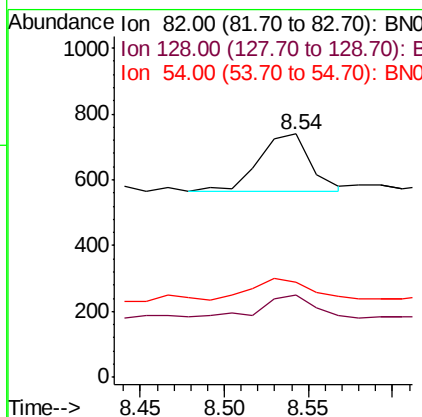
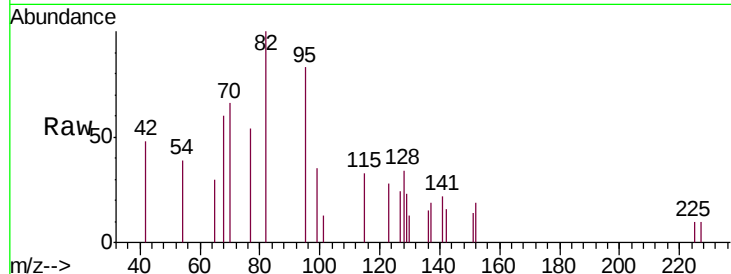




#8
 Nitrobenzene-d5
 Concen: 0.021 ng
 RT: 8.54 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: BN007347.D
 Acq: 24 Aug 2019 03:25

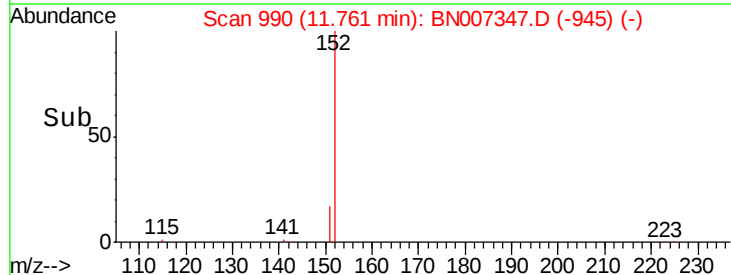
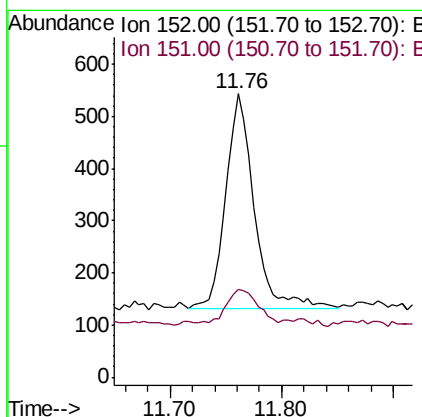
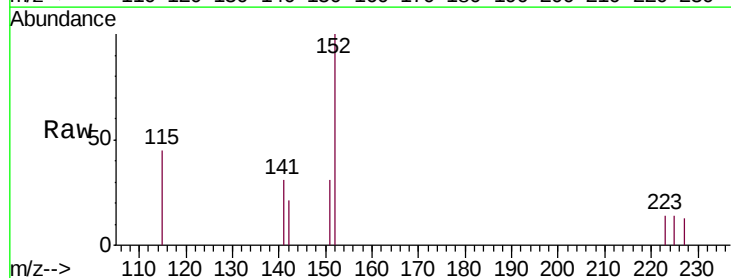
Instrument :
 BNA_N
 ClientSampleId :
 S702-N-0.0-0.5-082119

Tgt Ion: 82 Resp: 370
 Ion Ratio Lower Upper
 82 100
 128 34.0 19.7 29.5#
 54 39.0 25.8 38.6#



#11
 2-Methylnaphthalene-d10
 Concen: 0.022 ng
 RT: 11.76 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BN007347.D
 Acq: 24 Aug 2019 03:25

Tgt Ion: 152 Resp: 726
 Ion Ratio Lower Upper
 152 100
 151 17.2 16.2 24.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

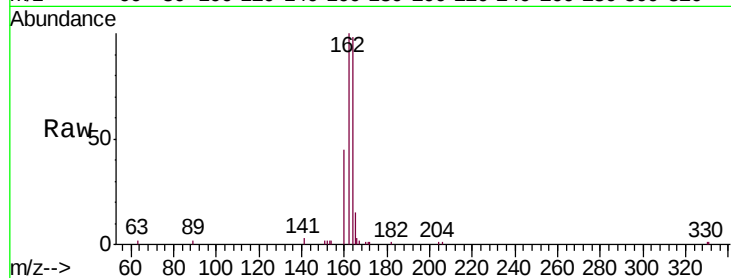
Tgt Ion:164 Resp: 11176

Ion Ratio Lower Upper

164 100

162 102.3 83.5 125.3

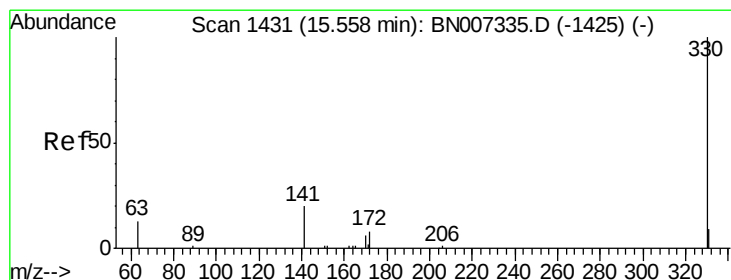
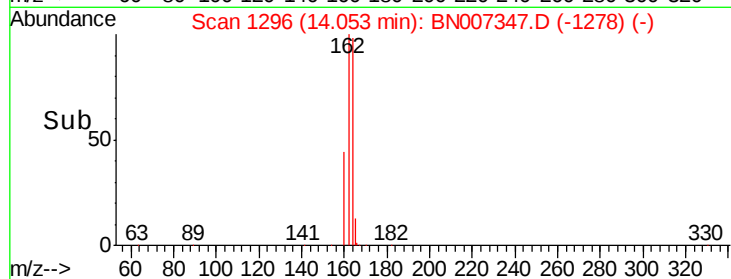
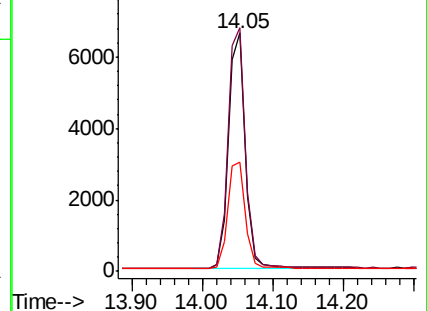
160 45.7 38.2 57.4



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



#14

2,4,6-Tribromophenol

Concen: 0.021 ng

RT: 15.56 min Scan# 1431

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

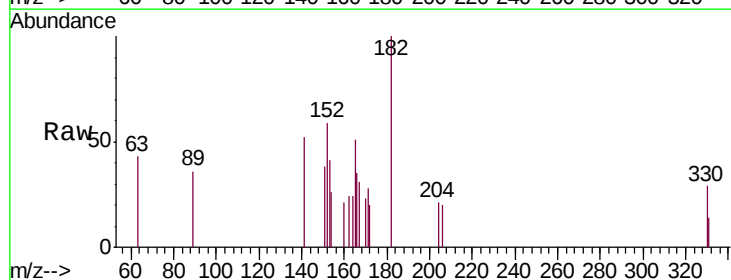
Tgt Ion:330 Resp: 124

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

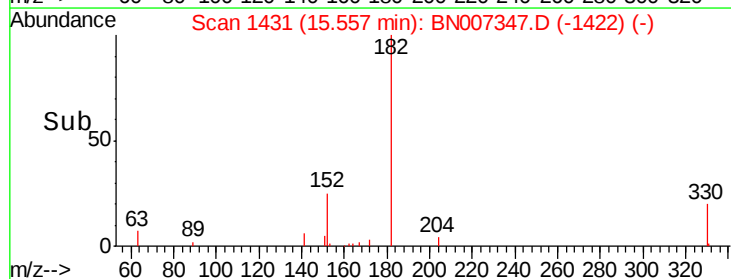
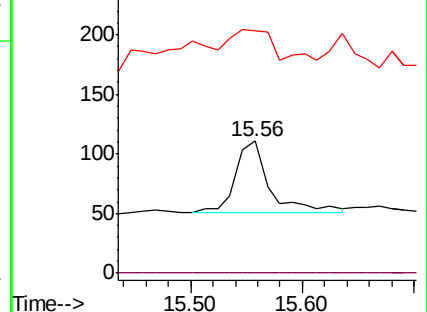
141 42.7 26.9 40.3#



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

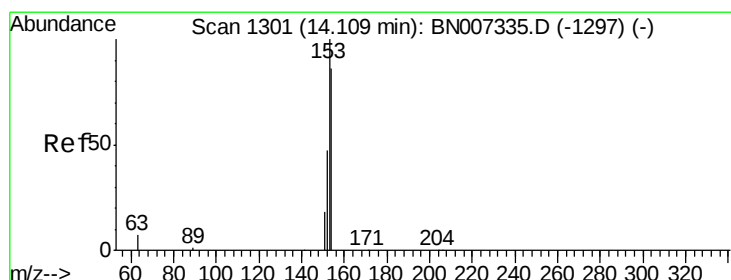
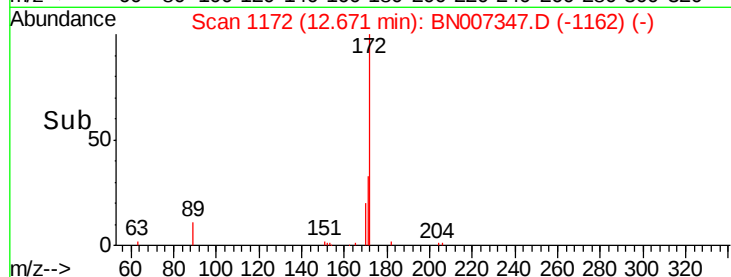
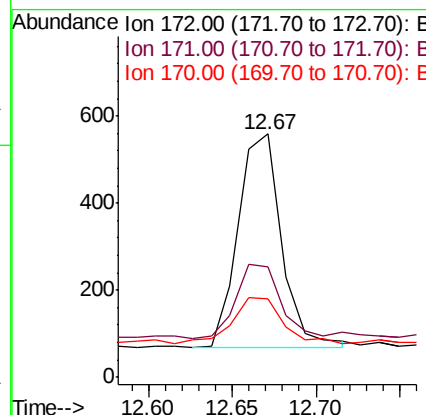
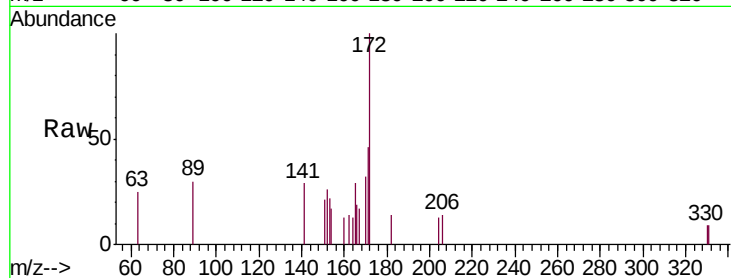




#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BN007347.D
Acq: 24 Aug 2019 03:25

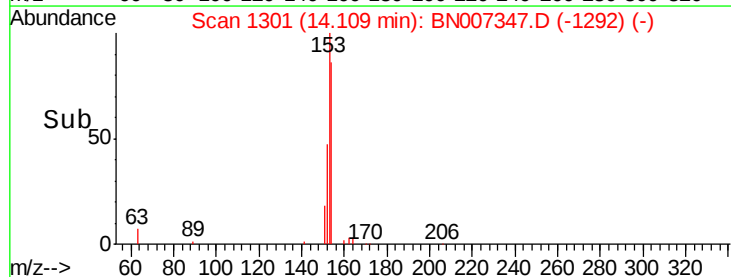
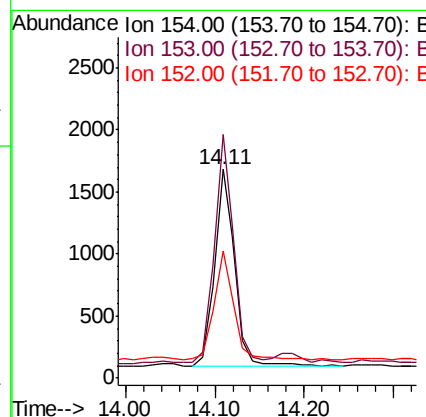
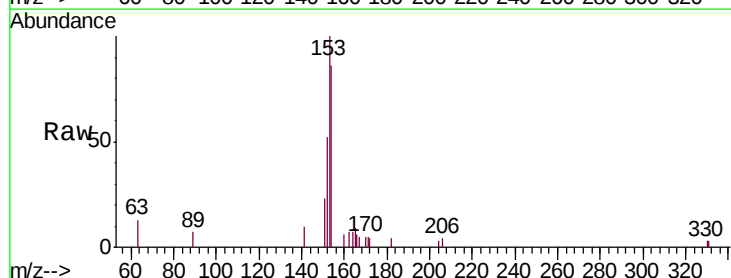
Instrument :
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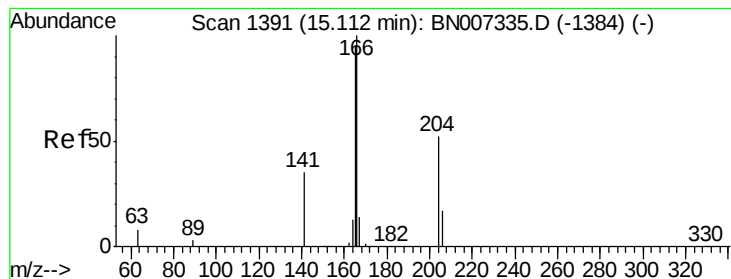
Tgt Ion:172 Resp: 887
Ion Ratio Lower Upper
172 100
171 45.6 30.3 45.5#
170 32.0 20.7 31.1#



#17
Acenaphthene
Concen: 0.064 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BN007347.D
Acq: 24 Aug 2019 03:25

Tgt Ion:154 Resp: 2467
Ion Ratio Lower Upper
154 100
153 111.5 92.8 139.2
152 56.4 43.8 65.8





#18

Fluorene

Concen: 0.051 ng

RT: 15.11 min Scan# 1391

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

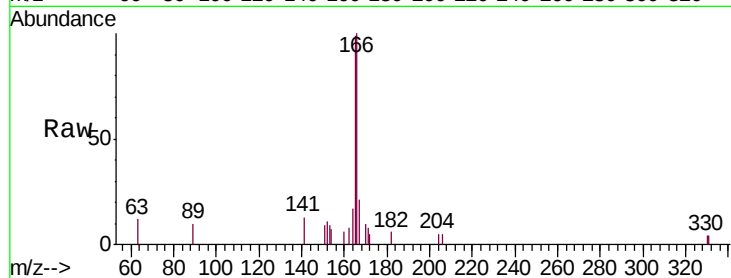
Tgt Ion:166 Resp: 2516

Ion Ratio Lower Upper

166 100

165 87.0 79.0 118.4

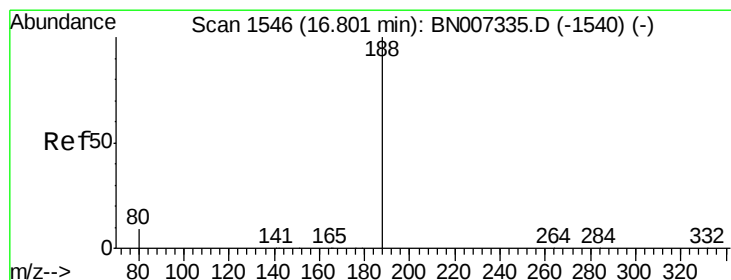
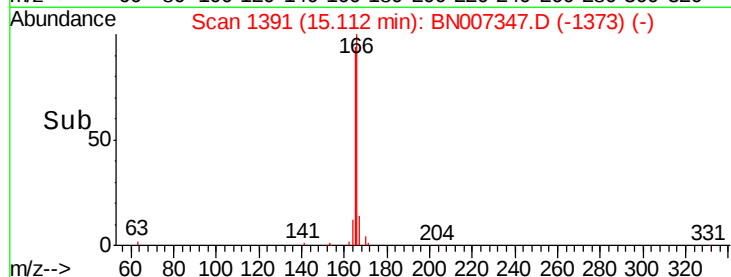
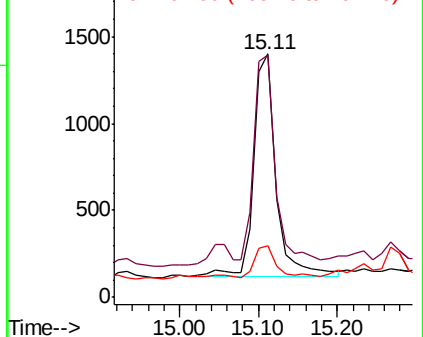
167 13.9 10.6 15.8



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: BN007347.D

Acq: 24 Aug 2019 03:25

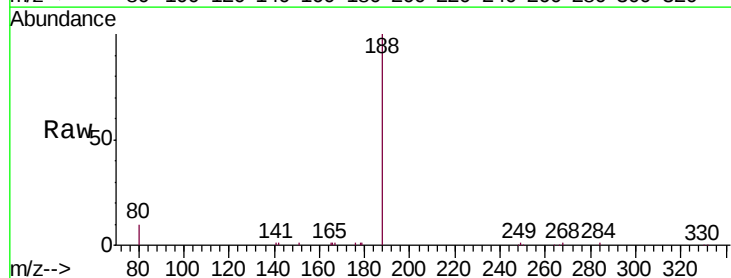
Tgt Ion:188 Resp: 24953

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

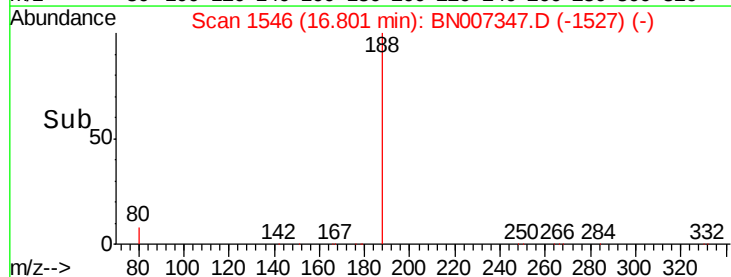
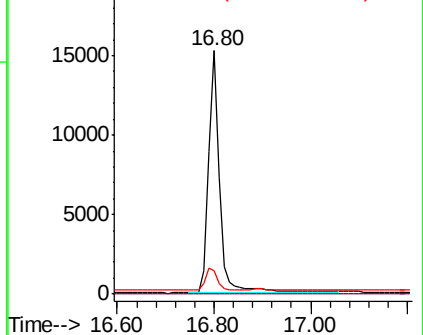
80 9.6 11.8 17.8#

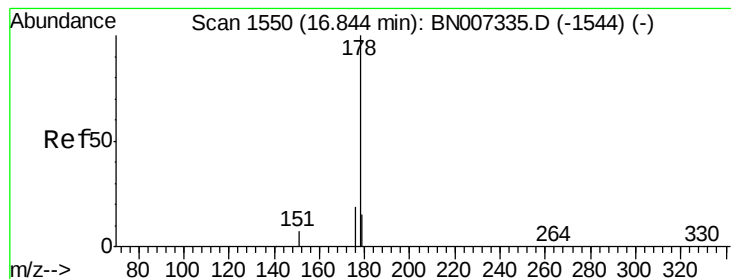


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.800 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

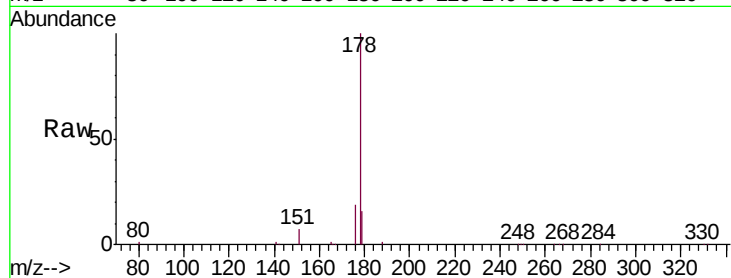
BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

Tgt Ion:178 Resp: 60057

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	14.8	12.6	19.0

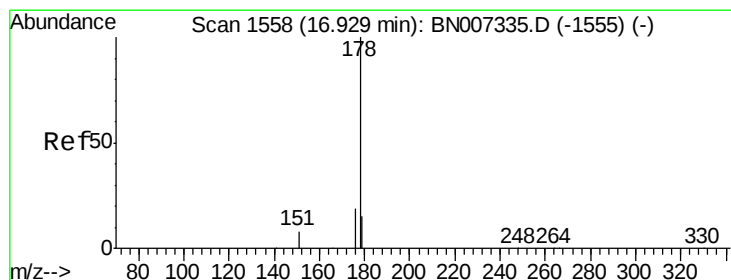
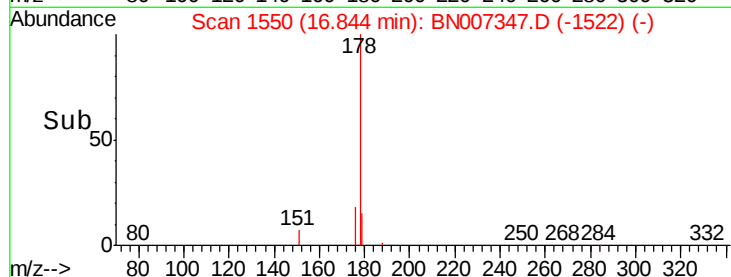
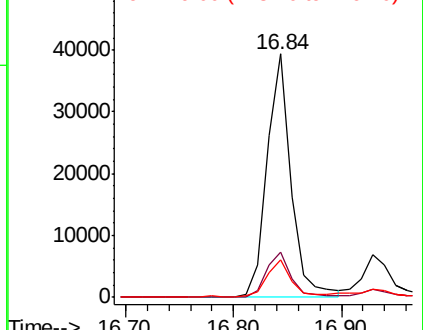


Abundance

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: 0.122 ng

RT: 16.93 min Scan# 1558

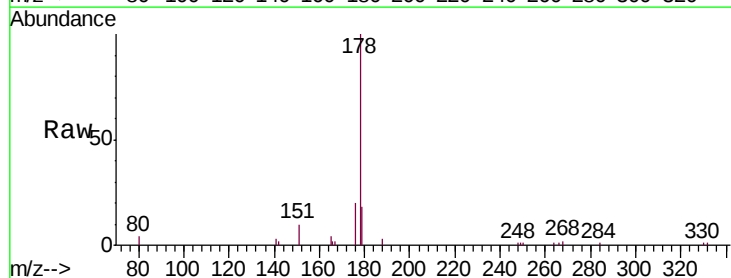
Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Tgt Ion:178 Resp: 9242

Ion	Ratio	Lower	Upper
178	100		
176	23.0	14.9	22.3#
179	21.9	12.4	18.6#

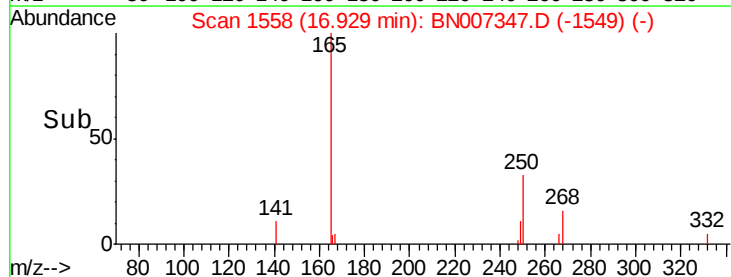
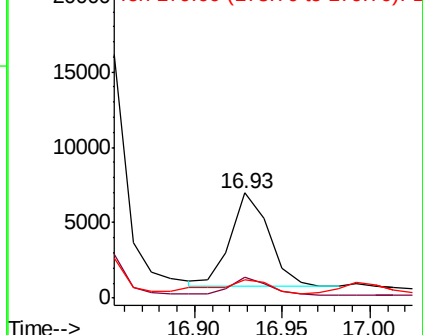


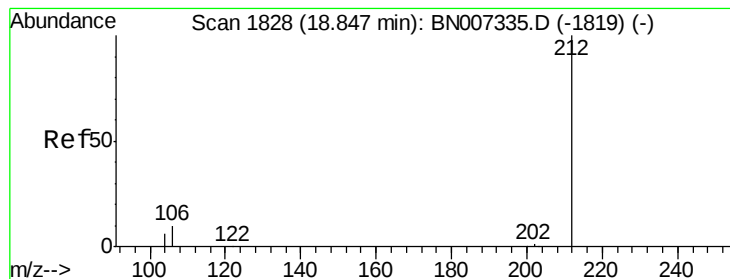
Abundance

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: 0.021 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

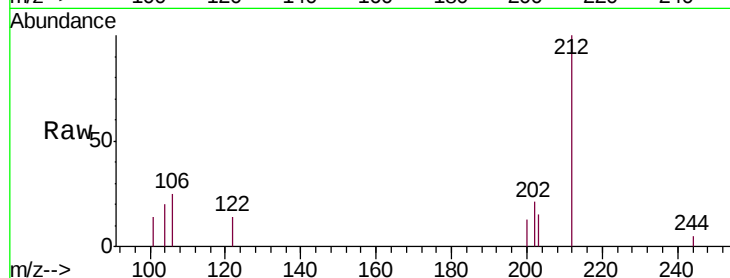
Tgt Ion:212 Resp: 1654

Ion Ratio Lower Upper

212 100

106 12.6 9.0 13.4

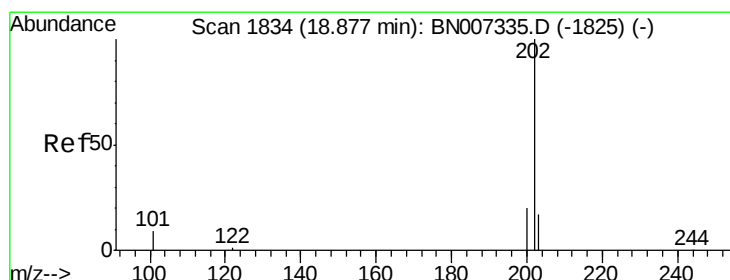
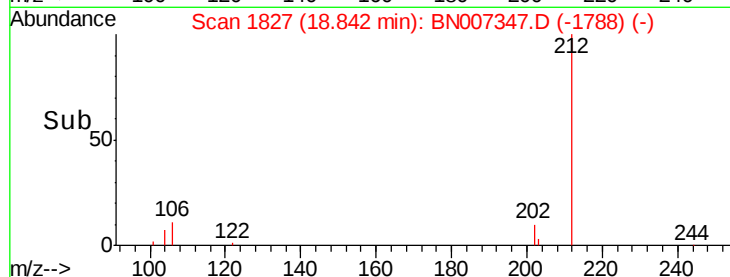
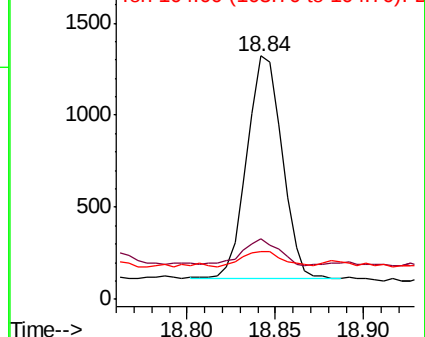
104 8.8 5.4 8.2#



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: 1.774 ng

RT: 18.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

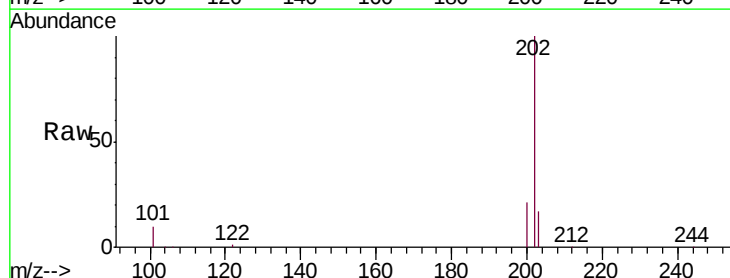
Tgt Ion:202 Resp: 170952

Ion Ratio Lower Upper

202 100

101 9.6 7.7 11.5

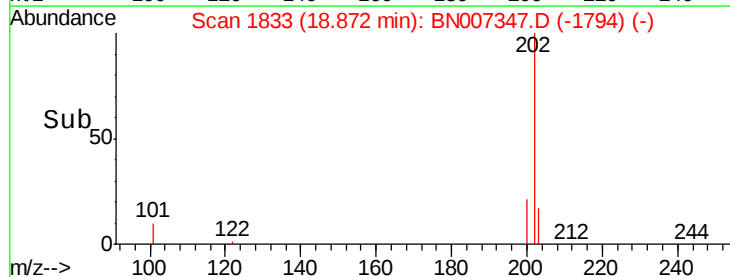
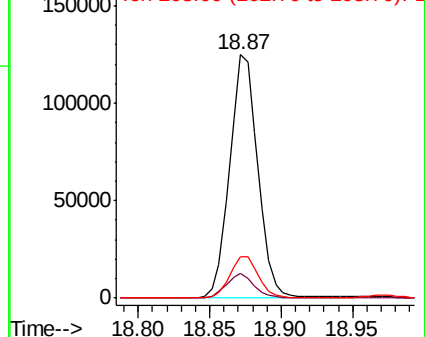
203 17.3 13.7 20.5

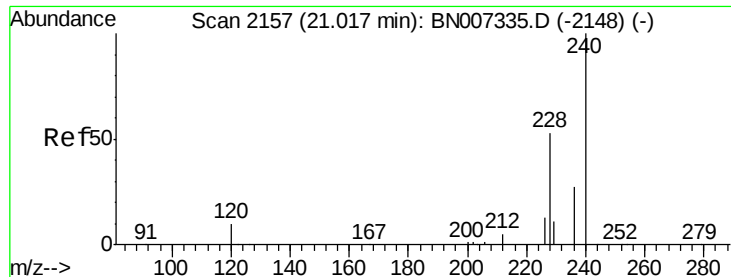


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.02 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

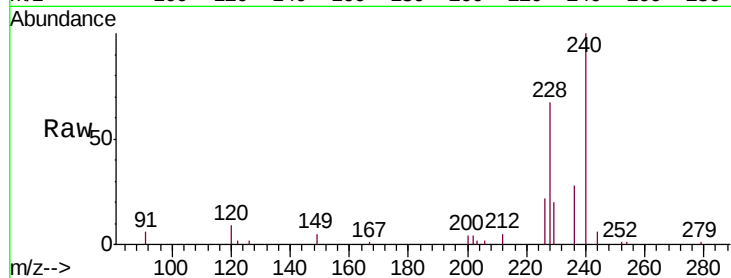
Tgt Ion:240 Resp: 26071

Ion Ratio Lower Upper

240 100

120 9.3 9.6 14.4#

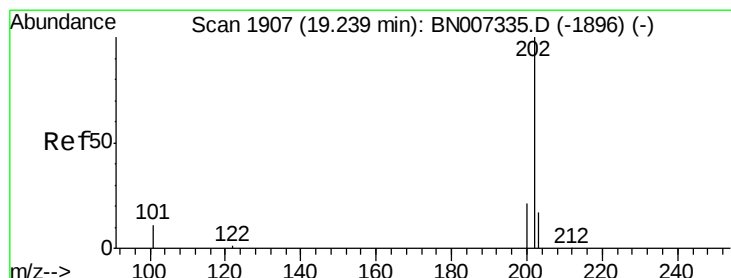
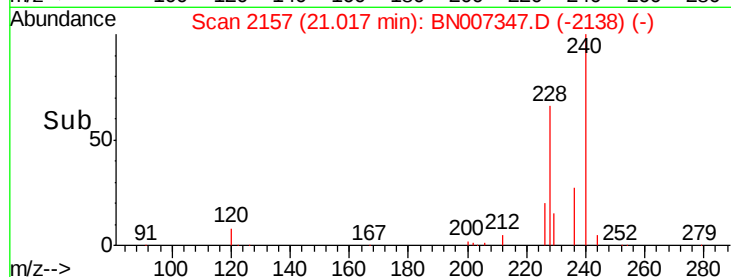
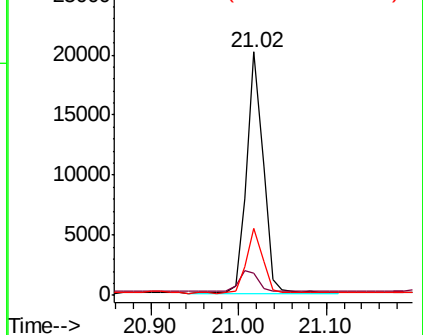
236 27.7 22.2 33.2



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



#28

Pyrene

Concen: 1.409 ng

RT: 19.24 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

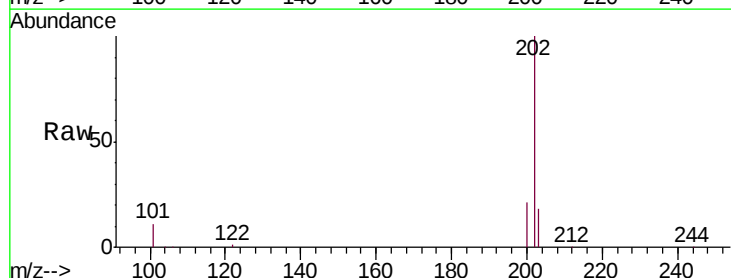
Tgt Ion:202 Resp: 147797

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

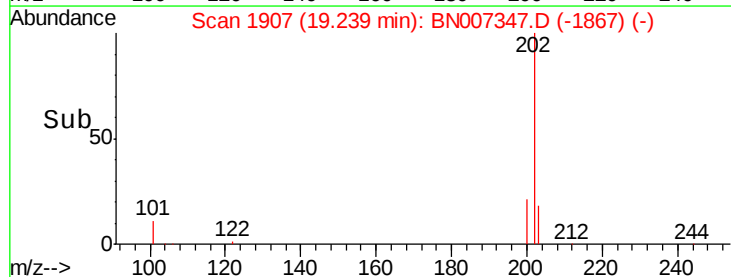
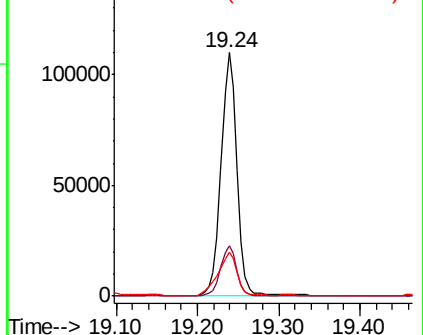
203 21.8 14.2 21.4#

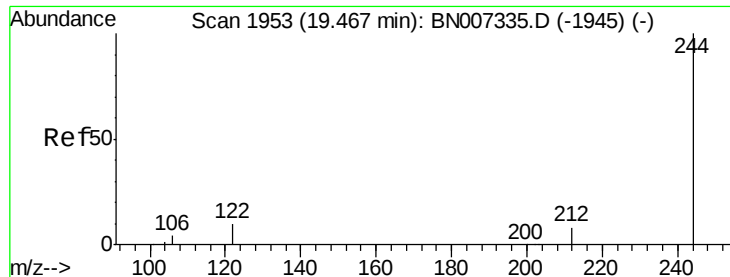


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.021 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

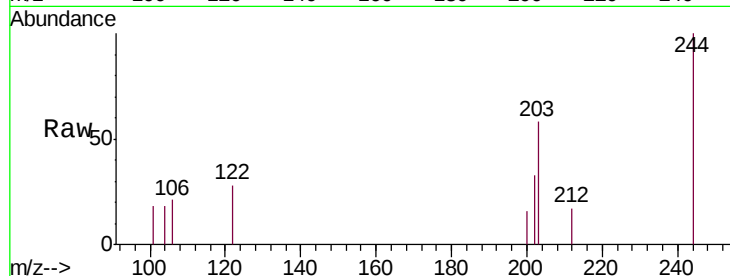
Tgt Ion:244 Resp: 1450

Ion Ratio Lower Upper

244 100

212 16.6 7.0 10.6#

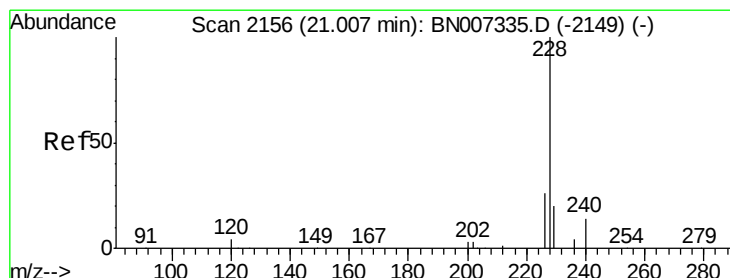
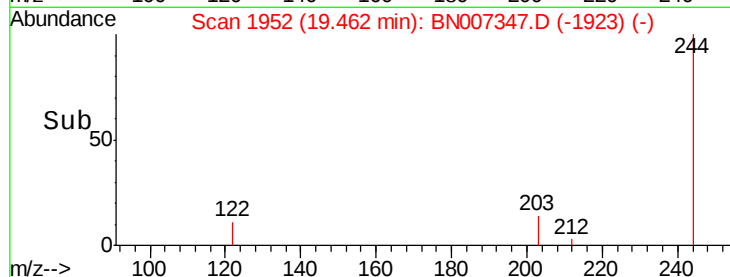
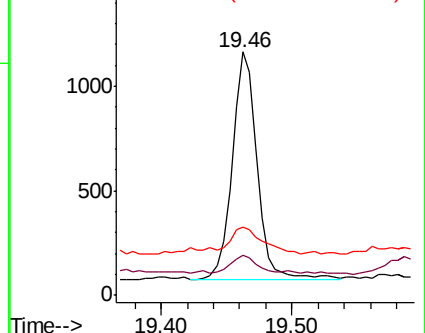
122 28.2 9.6 14.4#



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: 0.741 ng

RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

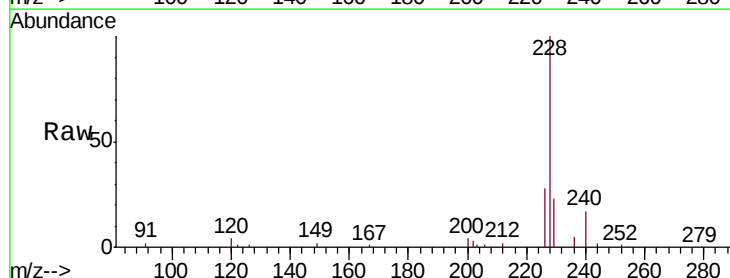
Tgt Ion:228 Resp: 75854

Ion Ratio Lower Upper

228 100

226 28.5 21.3 31.9

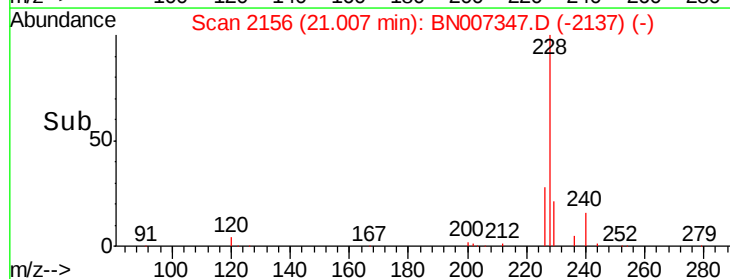
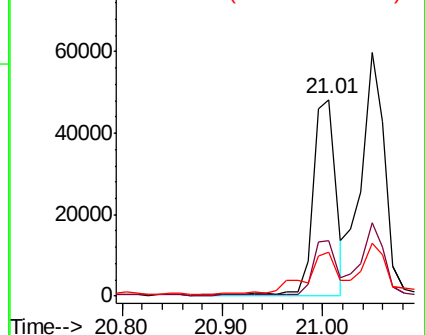
229 22.6 16.1 24.1

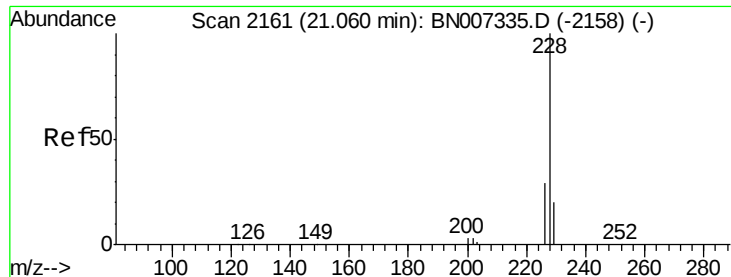


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.868 ng

RT: 21.05 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

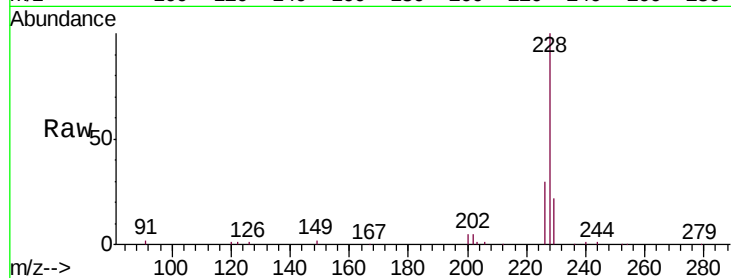
Tgt Ion:228 Resp: 85751

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

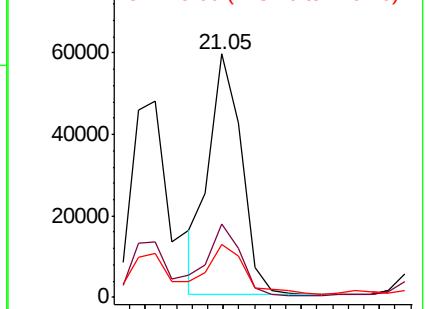
229 21.9 16.6 24.8



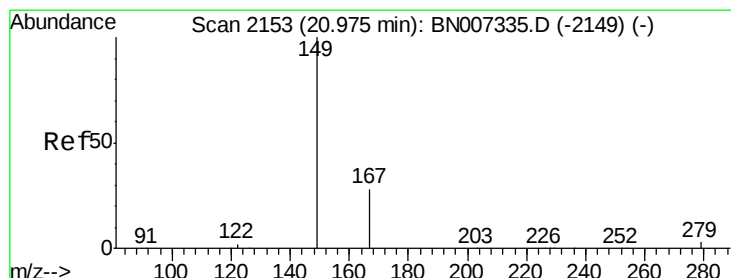
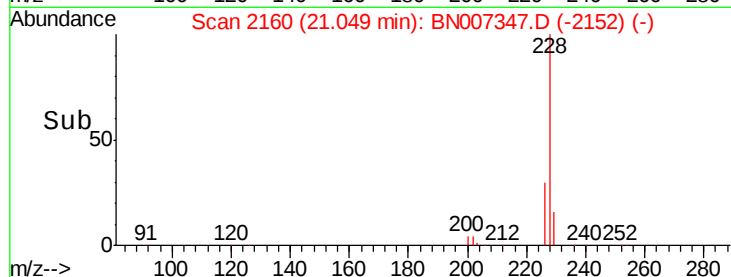
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.405 ng

RT: 20.97 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

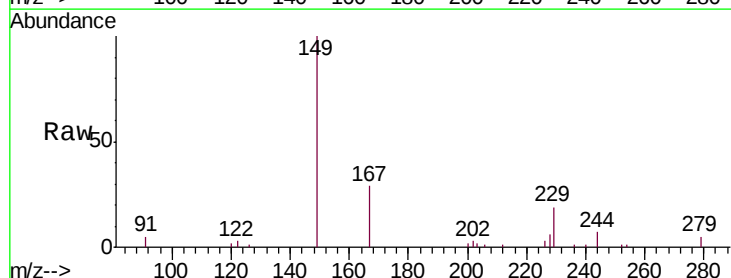
Tgt Ion:149 Resp: 28107

Ion Ratio Lower Upper

149 100

167 27.7 22.8 34.2

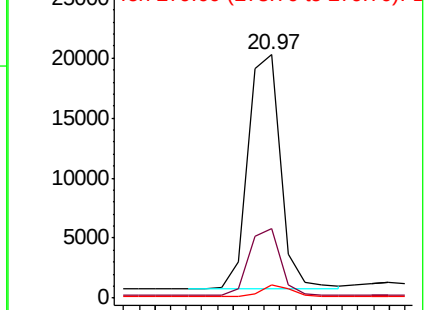
279 4.4 3.5 5.3



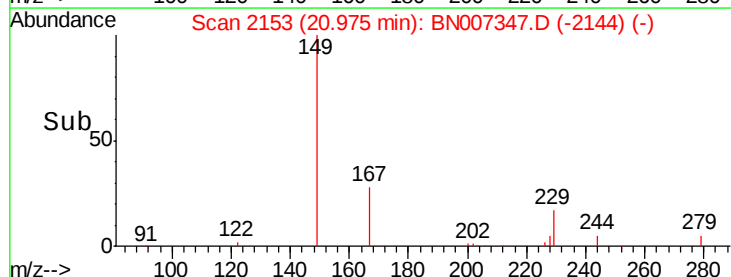
Abundance Ion 149.00 (148.70 to 149.70): E

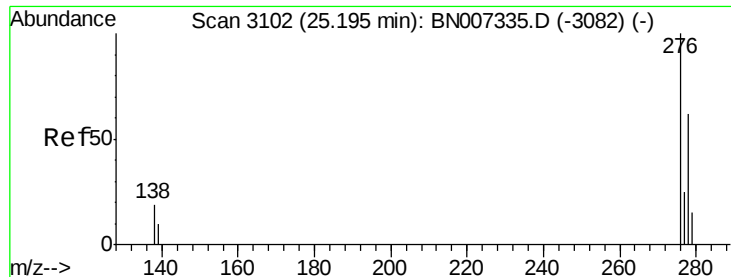
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.529 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

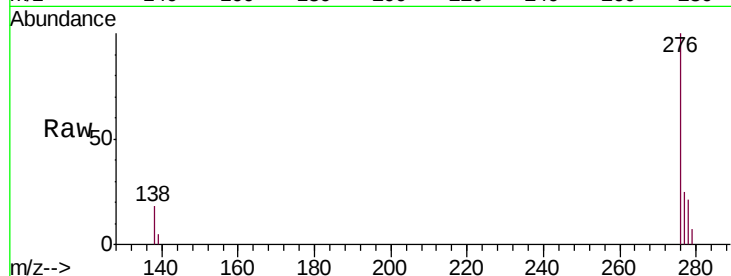
Tgt Ion:276 Resp: 63019

Ion Ratio Lower Upper

276 100

138 17.2 15.1 22.7

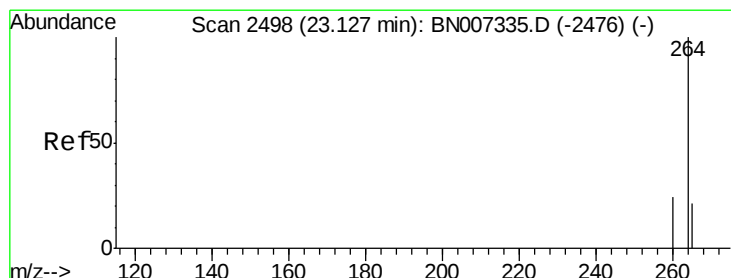
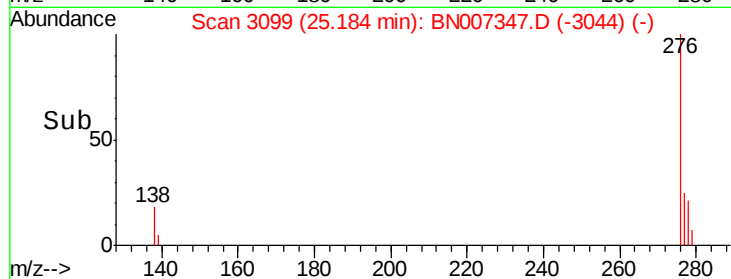
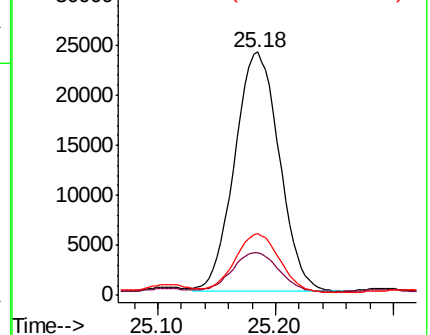
277 24.7 19.7 29.5



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# 2496

Delta R.T. -0.01 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

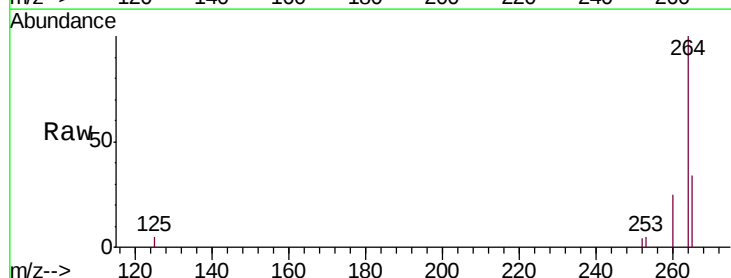
Tgt Ion:264 Resp: 28793

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

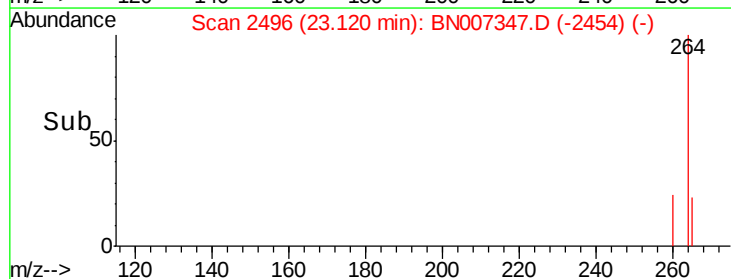
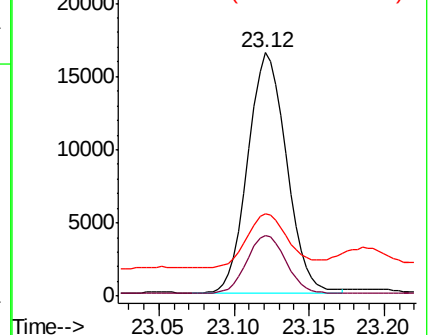
265 33.6 29.9 44.9

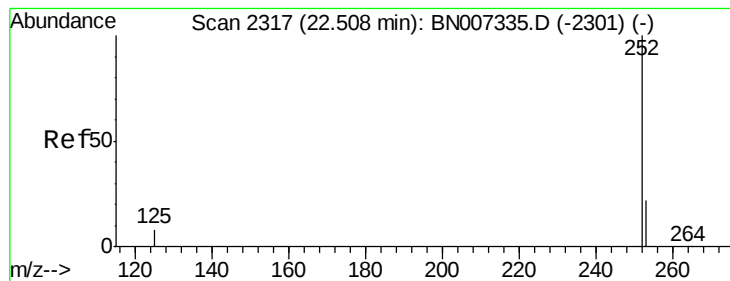


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 1.210 ng

RT: 22.50 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

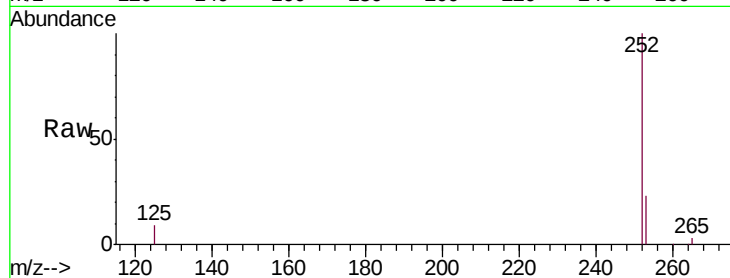
Tgt Ion:252 Resp: 126191

Ion Ratio Lower Upper

252 100

253 23.1 19.2 28.8

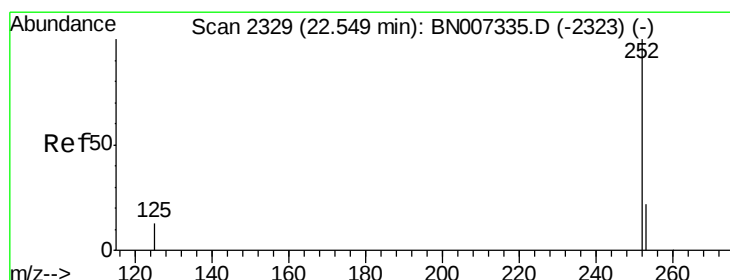
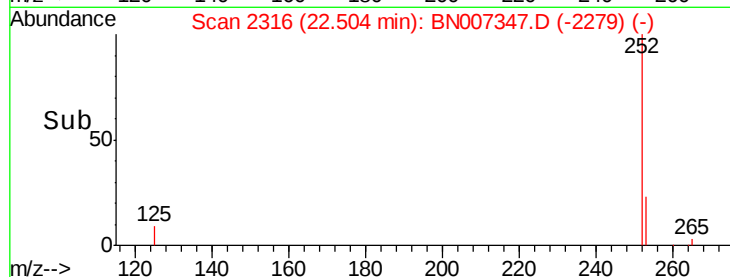
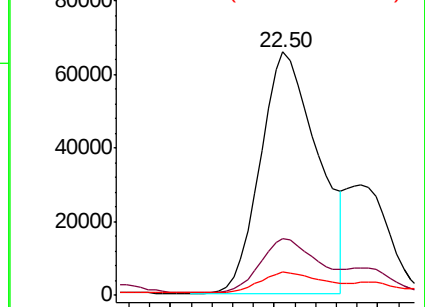
125 9.4 10.6 16.0#



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: 1.224 ng

RT: 22.50 min Scan# 2316

Delta R.T. -0.04 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

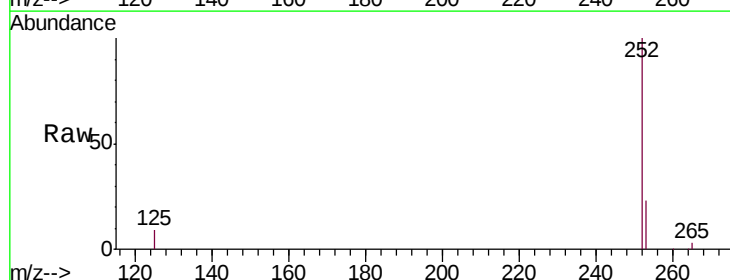
Tgt Ion:252 Resp: 126191

Ion Ratio Lower Upper

252 100

253 23.1 19.4 29.2

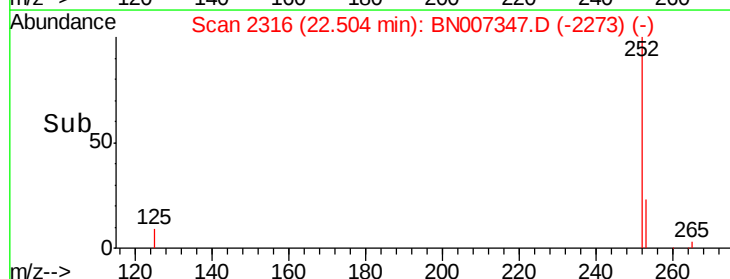
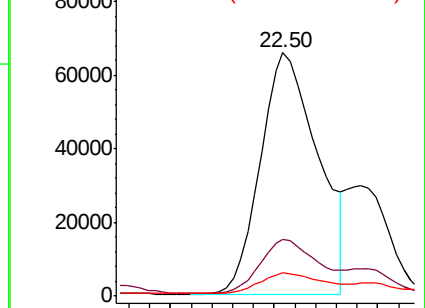
125 9.4 13.1 19.7#

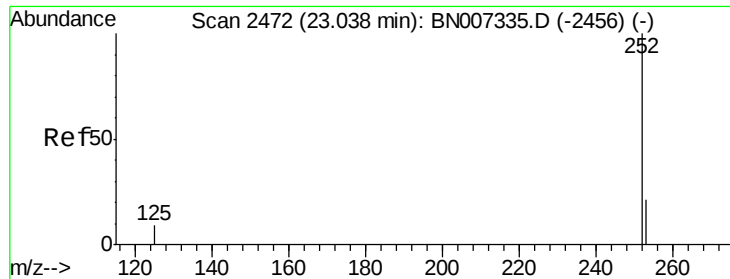


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.664 ng

RT: 22.95 min Scan# 2445

Delta R.T. -0.09 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119

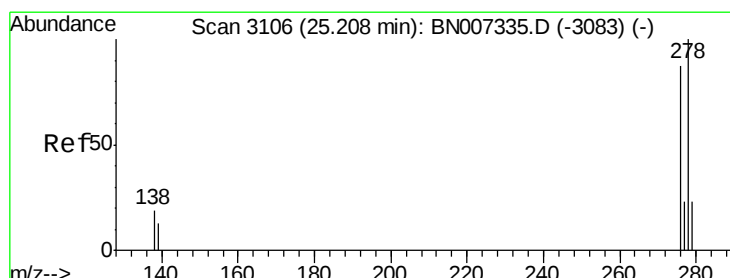
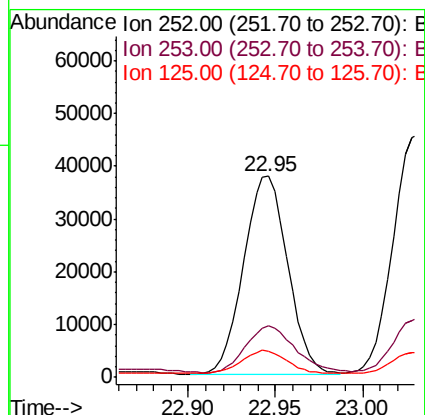
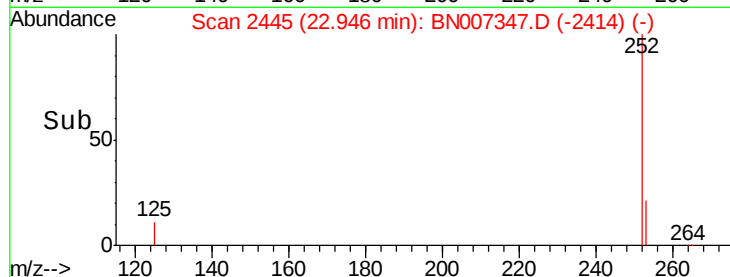
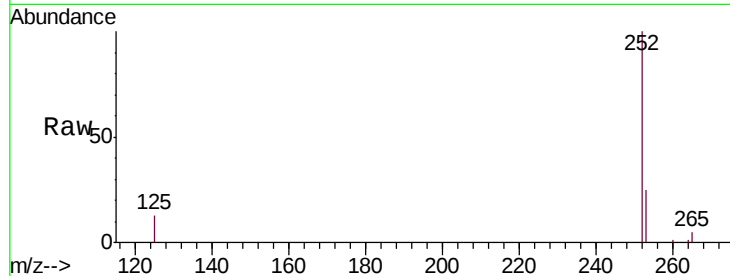
Tgt Ion:252 Resp: 65908

Ion Ratio Lower Upper

252 100

253 25.4 19.5 29.3

125 13.1 12.1 18.1



#38

Dibenzo(a,h)anthracene

Concen: 0.159 ng

RT: 25.19 min Scan# 3101

Delta R.T. -0.02 min

Lab File: BN007347.D

Acq: 24 Aug 2019 03:25

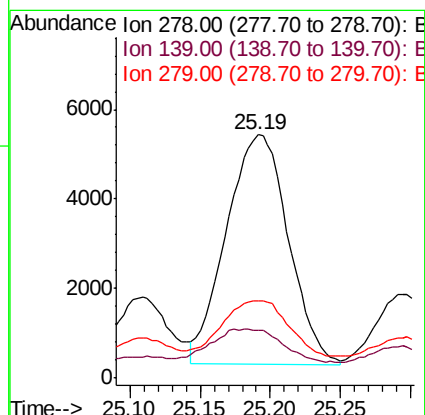
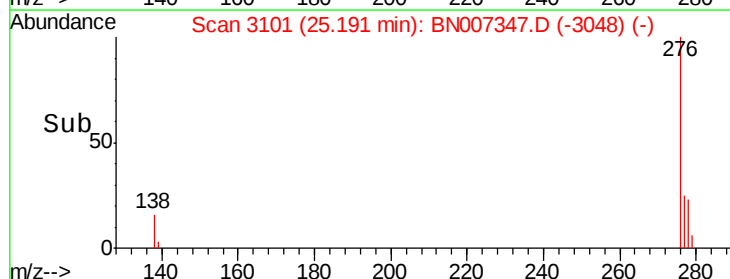
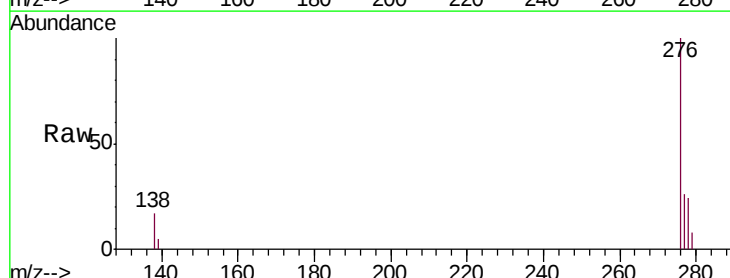
Tgt Ion:278 Resp: 15788

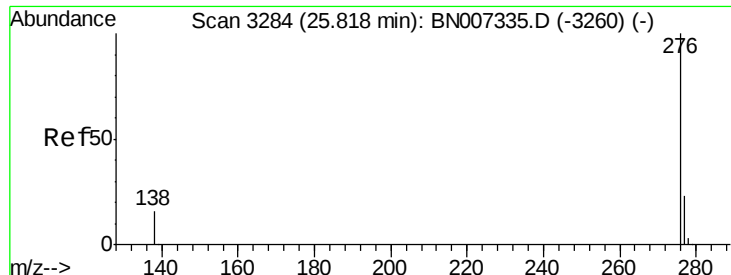
Ion Ratio Lower Upper

278 100

139 19.9 13.7 20.5

279 31.6 20.2 30.4#





#39

Benzo(g,h,i)perylene

Concen: 0.659 ng

RT: 25.81 min Scan# 3281

Delta R.T. -0.01 min

Lab File: BN007347.D

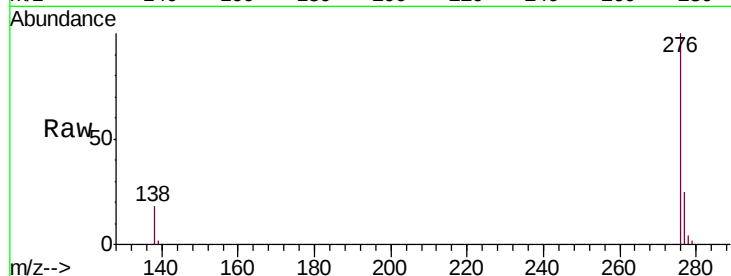
Acq: 24 Aug 2019 03:25

Instrument :

BNA_N

ClientSampleId :

S702-N-0.0-0.5-082119



Tgt Ion: 276 Resp: 65067

Ion Ratio Lower Upper

276 100

277 24.7 19.6 29.4

138 17.9 16.3 24.5

