

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090819\
 Data File : BN007563.D
 Acq On : 08 Sep 2019 22:49
 Operator : HP/JU
 Sample : PB122882BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122882BS

Quant Time: Sep 09 04:47:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	6901	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	28660	0.40	ng	-0.03
13) Acenaphthene-d10	14.04	164	14658	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	30723	0.40	ng	0.00
27) Chrysene-d12	21.00	240	27411	0.40	ng	-0.01
34) Perylene-d12	23.11	264	29573	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	7563	0.31	ng	-0.02
5) Phenol-d6	6.58	99	9326	0.30	ng	0.00
8) Nitrobenzene-d5	8.53	82	8375	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	17240	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.54	330	1914	0.25	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	23559	0.40	ng	0.00
25) Fluoranthene-d10	18.84	212	34015	0.34	ng	-0.01
29) Terphenyl-d14	19.46	244	26492	0.37	ng	-0.01

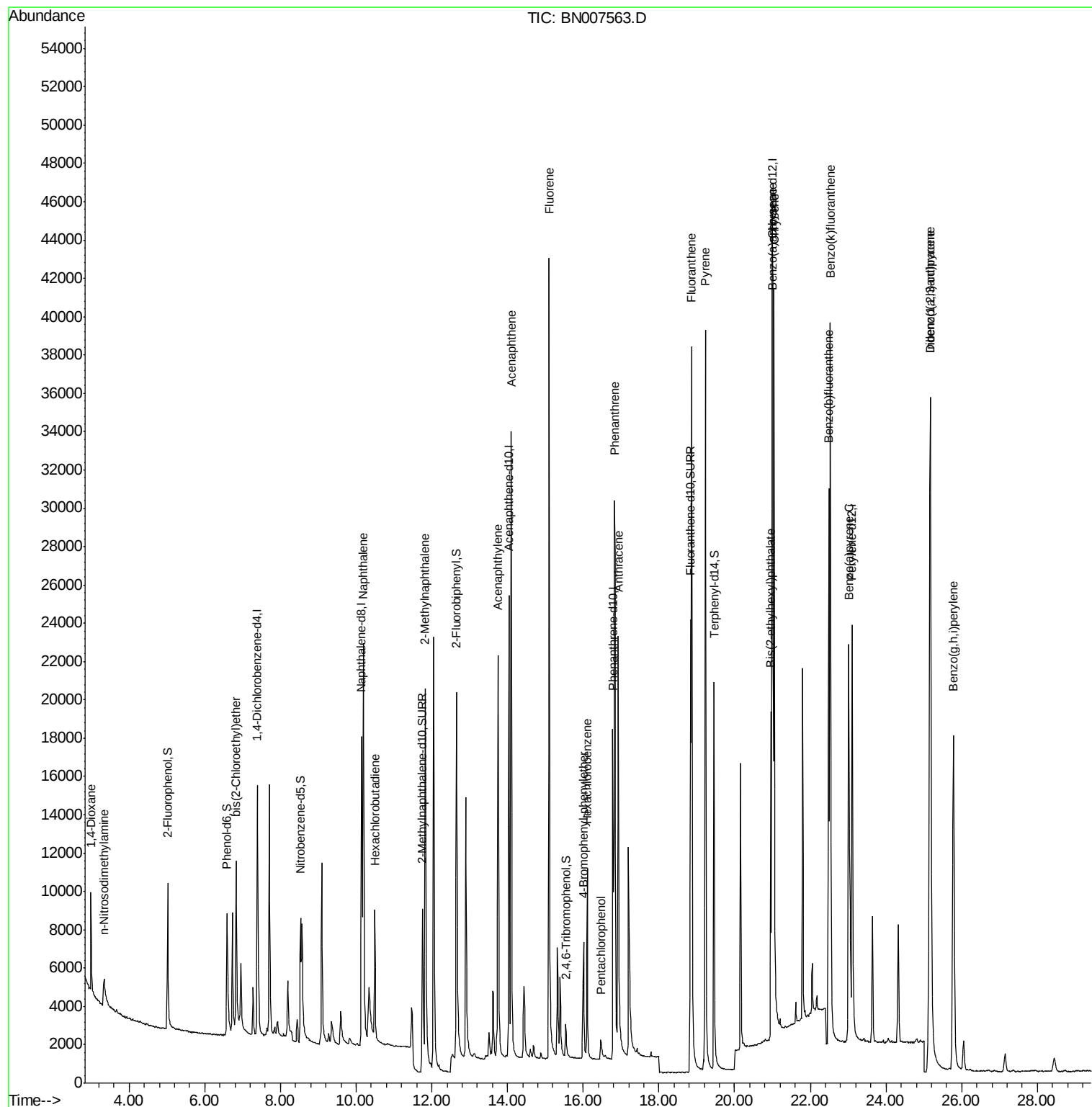
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	4939	0.431	ng	# 82
3) n-Nitrosodimethylamine	3.34	42	1323	0.248	ng	# 78
6) bis(2-Chloroethyl)ether	6.83	93	8920	0.358	ng	96
9) Naphthalene	10.19	128	31749	0.388	ng	# 90
10) Hexachlorobutadiene	10.49	225	5816	0.347	ng	# 99
12) 2-Methylnaphthalene	11.82	142	20552	0.368	ng	96
16) Acenaphthylene	13.75	152	29381	0.339	ng	99
17) Acenaphthene	14.10	154	19712	0.388	ng	98
18) Fluorene	15.09	166	24085	0.375	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	2927	0.242	ng	94
21) Hexachlorobenzene	16.10	284	8442	0.410	ng	97
22) Pentachlorophenol	16.46	266	1151	0.180	ng	# 70
23) Phenanthrene	16.83	178	37049	0.401	ng	99
24) Anthracene	16.92	178	32099	0.345	ng	99
26) Fluoranthene	18.86	202	41955	0.354	ng	# 97
28) Pyrene	19.23	202	42610	0.386	ng	99
30) Benzo(a)anthracene	20.99	228	34495	0.320	ng	99
31) Chrysene	21.04	228	41346	0.398	ng	97
32) Bis(2-ethylhexyl)phthalate	20.95	149	15836	0.208	ng	98
33) Indeno(1,2,3-cd)pyrene	25.16	276	47710	0.381	ng	# 94
35) Benzo(b)fluoranthene	22.49	252	38299	0.357	ng	96
36) Benzo(k)fluoranthene	22.53	252	45442	0.429	ng	# 91
37) Benzo(a)pyrene	23.02	252	36780	0.361	ng	96
38) Dibenzo(a,h)anthracene	25.17	278	37762	0.371	ng	98
39) Benzo(g,h,i)perylene	25.78	276	38263	0.377	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: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

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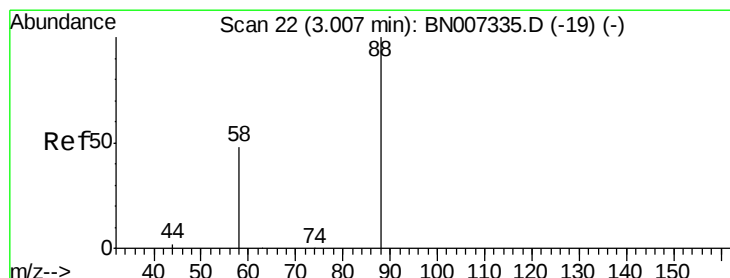
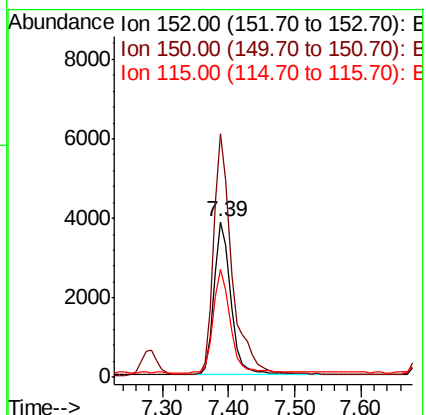
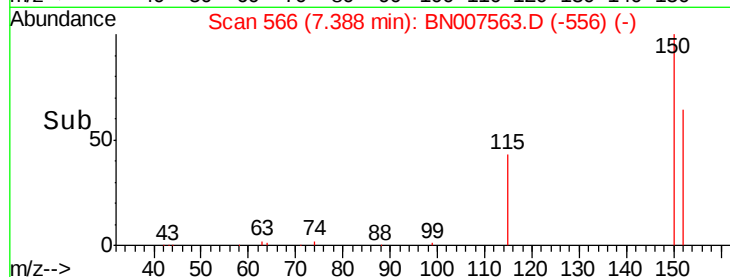
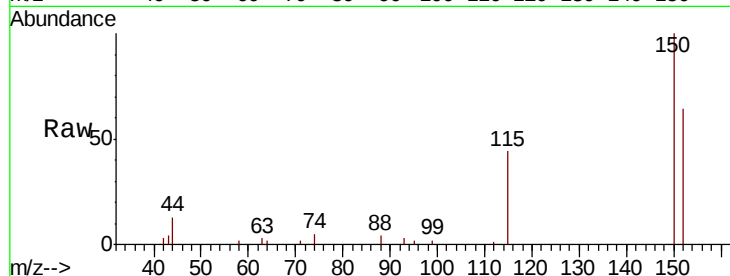
Tot Ion:152 Resp: 6901

Ion Ratio Lower Upper

152 100

150 156.3 109.1 163.7

115 69.5 59.6 89.4



#2

1,4-Dioxane

Concen: 0.431 ng

RT: 3.00 min Scan# 21

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

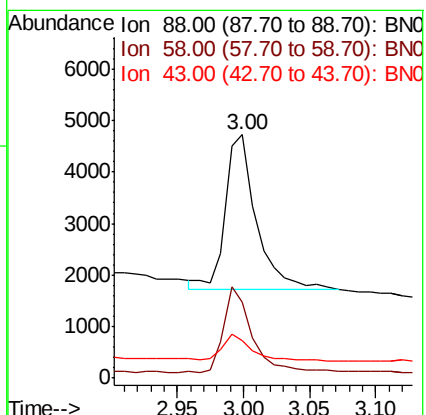
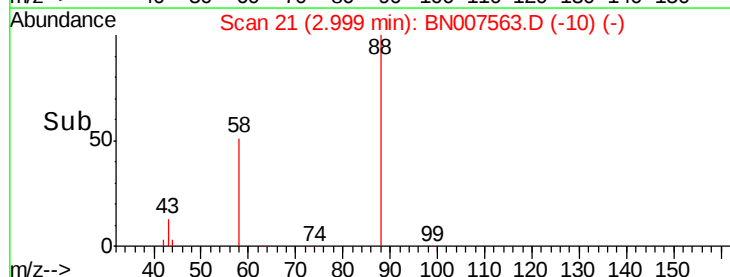
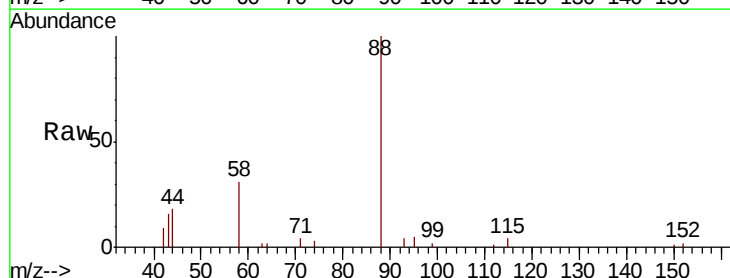
Tgt Ion: 88 Resp: 4939

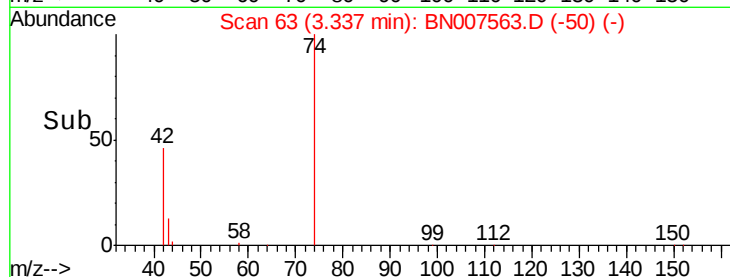
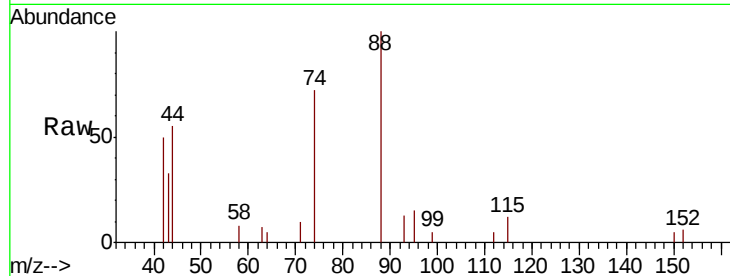
Ion Ratio Lower Upper

88 100

58 49.4 50.5 75.7#

43 15.5 0.0 0.0#

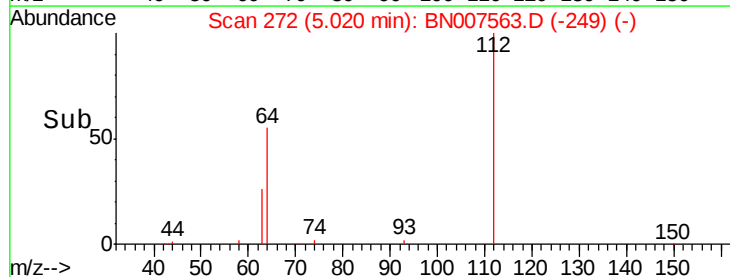
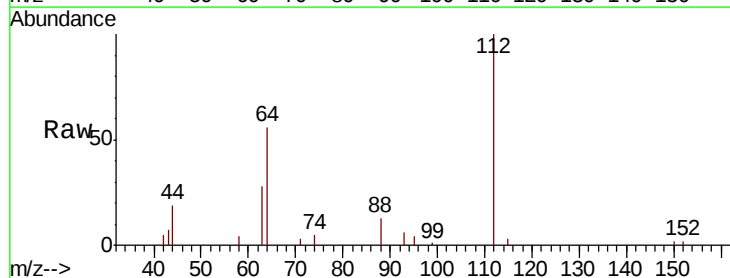
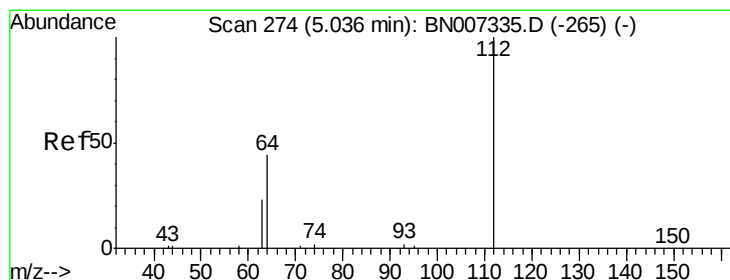
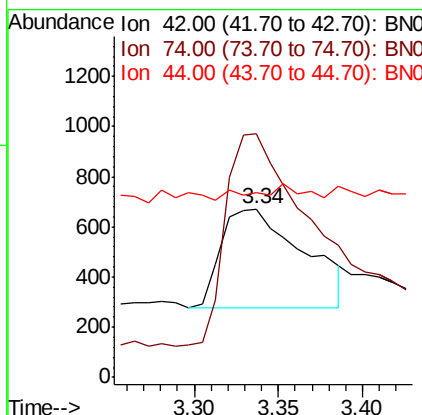




#3
n-Nitrosodimethylamine
Concen: 0.248 ng
RT: 3.34 min Scan# 63
Delta R.T. 0.01 min
Lab File: BN007563.D
Acq: 08 Sep 2019 22:49

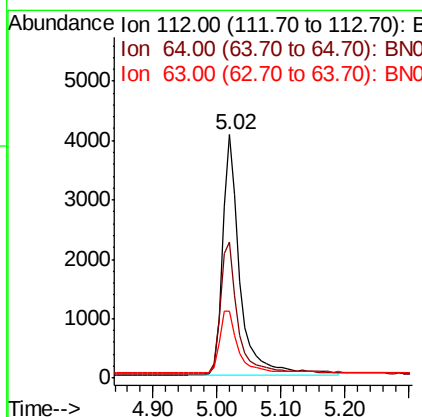
Instrument :
BNA_N
ClientSampleId :
PB122882BS

Tot Ion: 42 Resp: 1323
Ion Ratio Lower Upper
42 100
74 212.6 144.7 217.1
44 9.3 3.2 4.8#



#4
2-Fluorophenol
Concen: 0.309 ng
RT: 5.02 min Scan# 272
Delta R.T. -0.02 min
Lab File: BN007563.D
Acq: 08 Sep 2019 22:49

Tgt Ion: 112 Resp: 7563
Ion Ratio Lower Upper
112 100
64 56.8 42.3 63.5
63 28.6 23.6 35.4





#5

Phenol-d6

Concen: 0.299 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

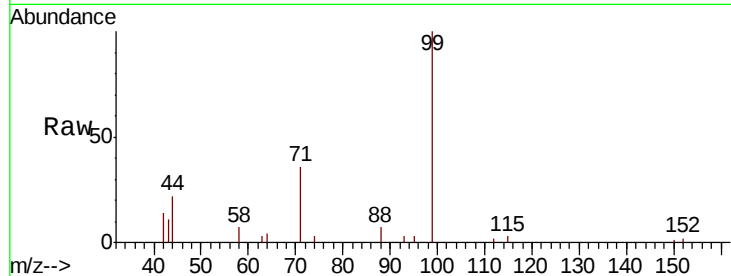
Tot Ion: 99 Resp: 9326

Ion Ratio Lower Upper

99 100

42 11.1 11.2 16.8#

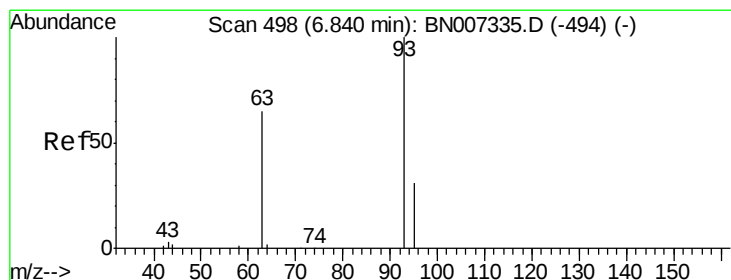
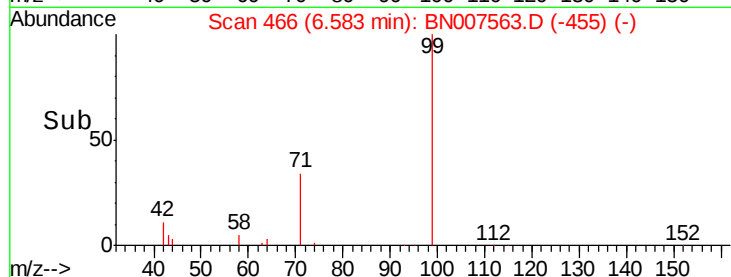
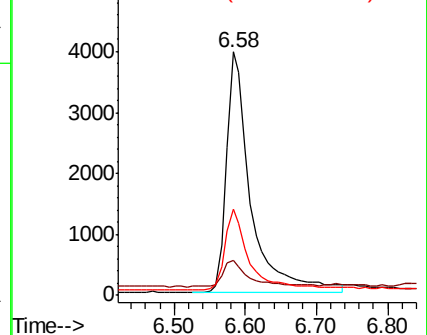
71 33.3 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007563.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007563.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007563.D (-462) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.358 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

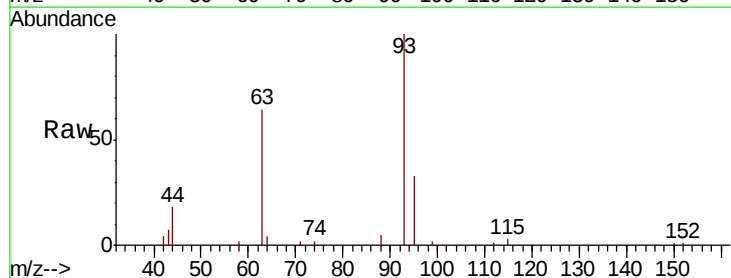
Tgt Ion: 93 Resp: 8920

Ion Ratio Lower Upper

93 100

63 69.3 51.9 77.9

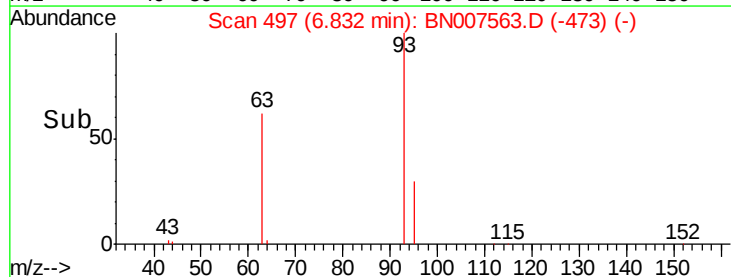
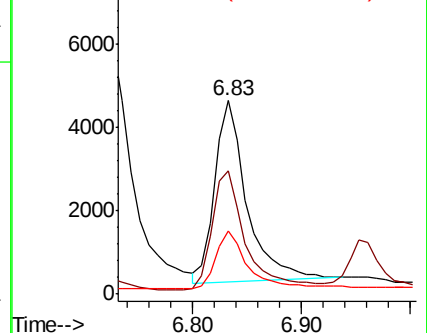
95 34.5 27.7 41.5

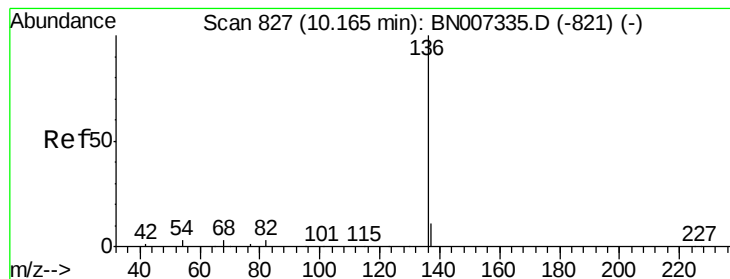


Abundance Ion 93.00 (92.70 to 93.70): BN007563.D (-494) (-)

Ion 63.00 (62.70 to 63.70): BN007563.D (-494) (-)

Ion 95.00 (94.70 to 95.70): BN007563.D (-494) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

Tot Ion:136 Resp: 28660

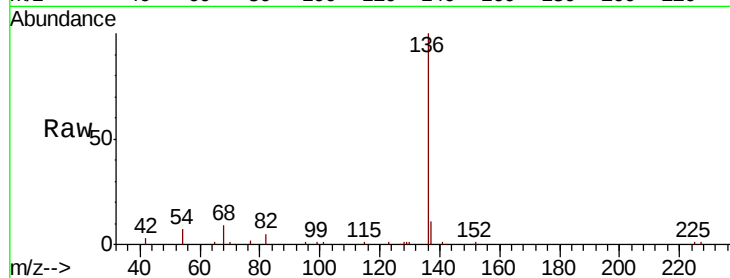
Ion Ratio Lower Upper

136 100

137 11.1 12.9 19.3#

54 6.8 8.6 12.8#

68 8.5 17.0 25.4#

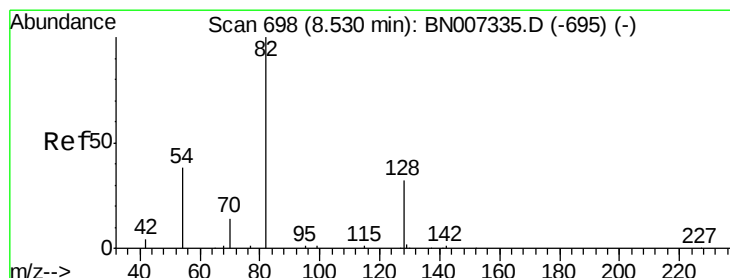
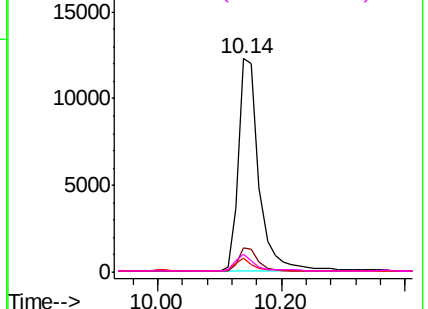
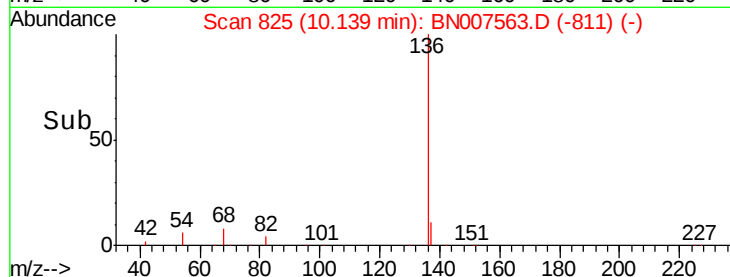


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.336 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

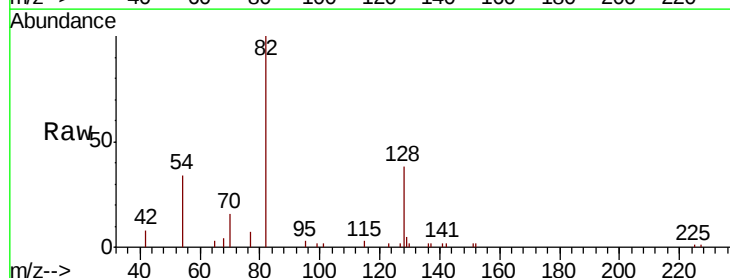
Tgt Ion: 82 Resp: 8375

Ion Ratio Lower Upper

82 100

128 38.3 19.7 29.5#

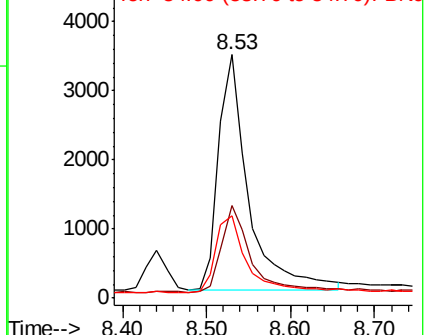
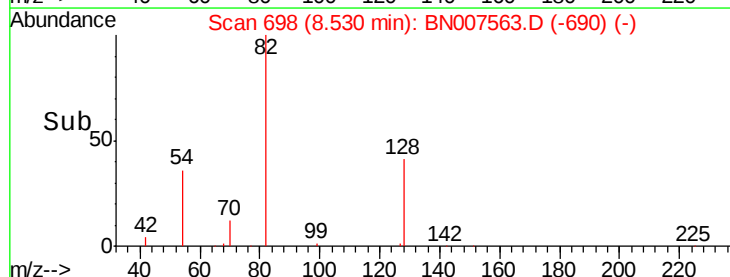
54 34.0 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.388 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

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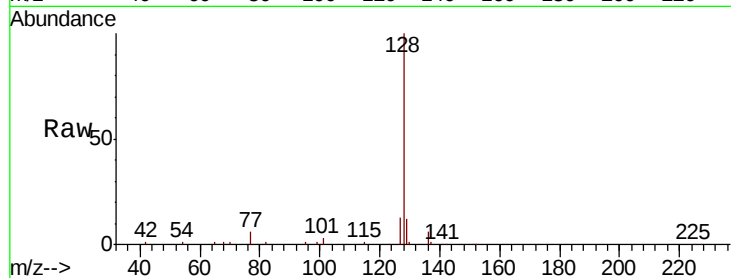
Tot Ion:128 Resp: 31749

Ion Ratio Lower Upper

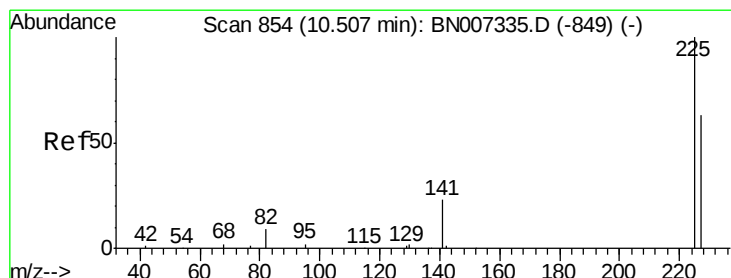
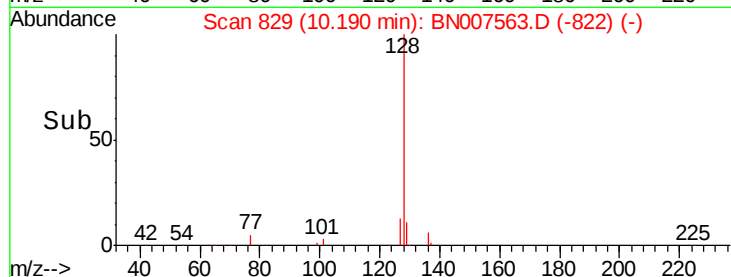
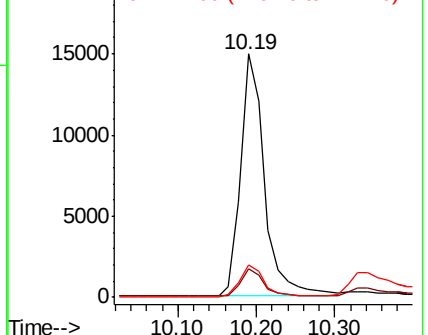
128 100

129 11.5 11.1 16.7

127 13.4 15.5 23.3#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.347 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

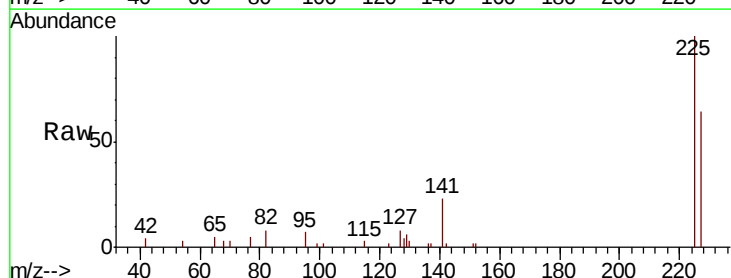
Tgt Ion:225 Resp: 5816

Ion Ratio Lower Upper

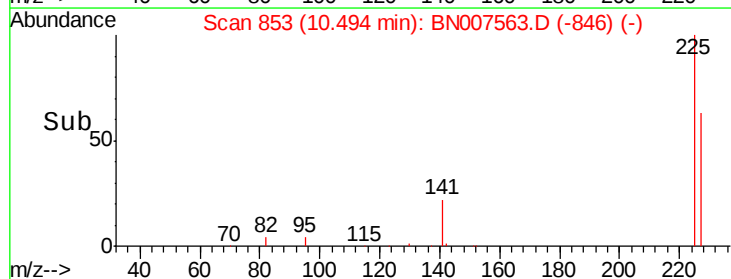
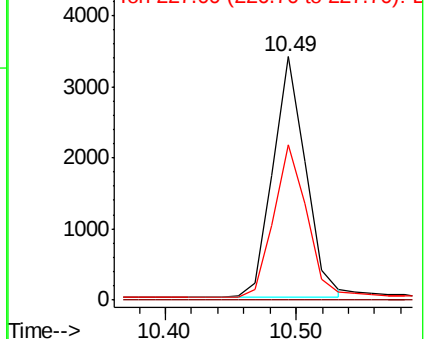
225 100

223 0.0 0.0 0.0

227 63.9 50.7 76.1



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.362 ng

RT: 11.75 min Scan# 988

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

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ClientSampleId :

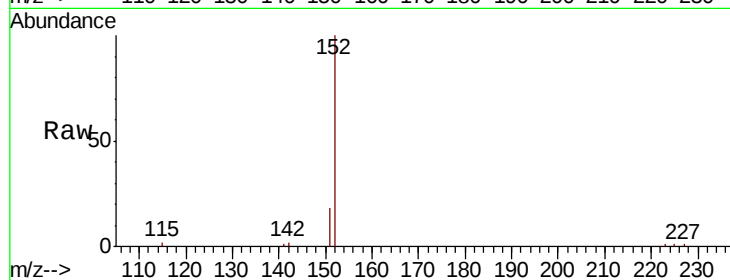
PB122882BS

Tot Ion:152 Resp: 17240

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

4000

2000

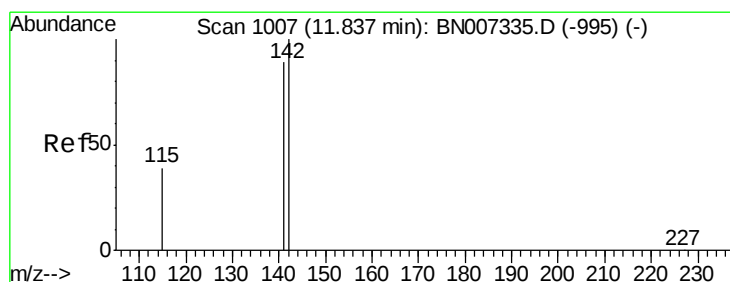
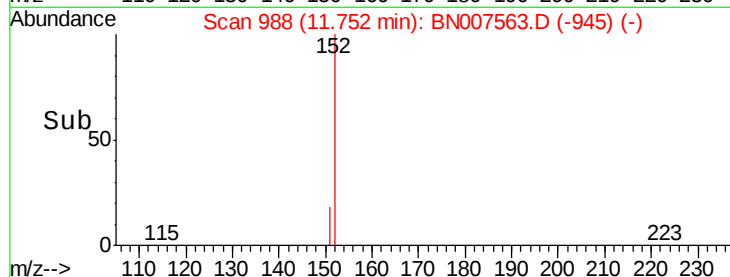
0

11.60

11.75

11.80

Time-->



#12

2-Methylnaphthalene

Concen: 0.368 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

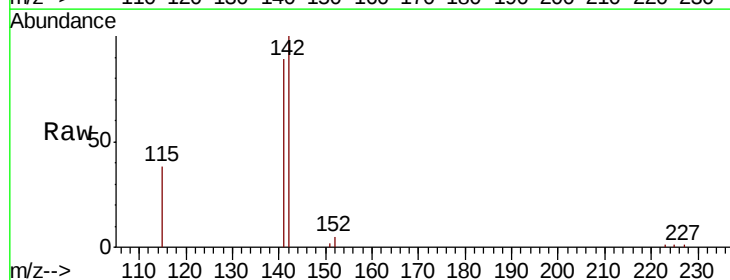
Tgt Ion:142 Resp: 20552

Ion Ratio Lower Upper

142 100

141 89.2 72.8 109.2

115 37.8 35.2 52.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

10000

5000

0

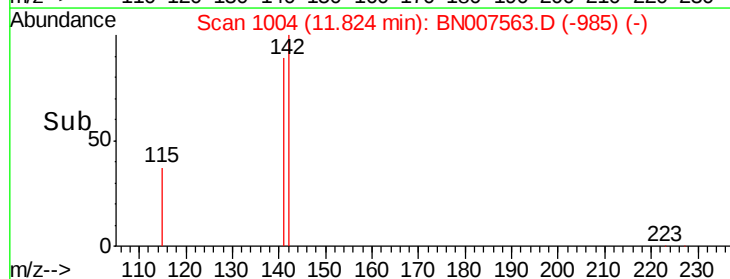
11.70

11.82

11.90

12.00

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

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ClientSampleId :

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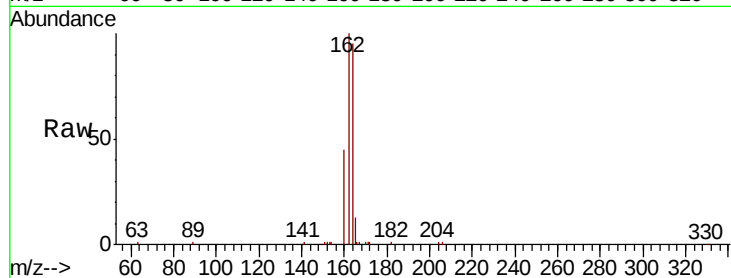
Tot Ion:164 Resp: 14658

Ion Ratio Lower Upper

164 100

162 105.2 83.5 125.3

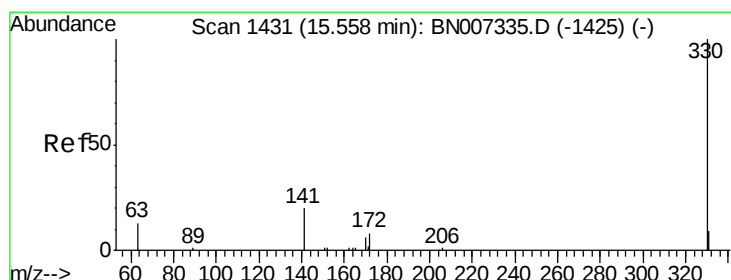
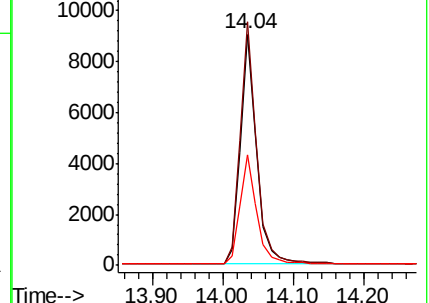
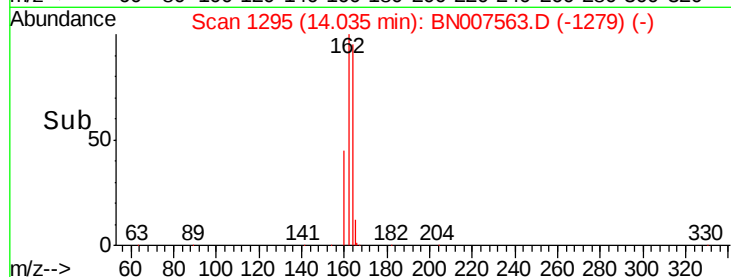
160 47.7 38.2 57.4



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: 0.250 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

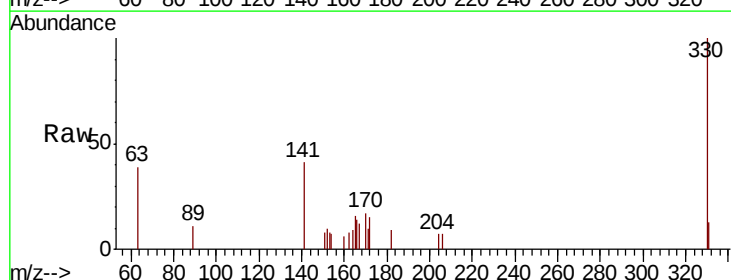
Tgt Ion:330 Resp: 1914

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

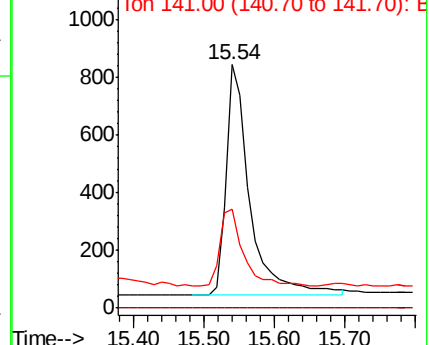
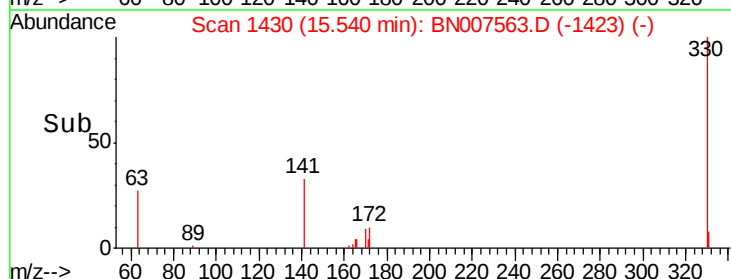
141 32.4 26.9 40.3



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

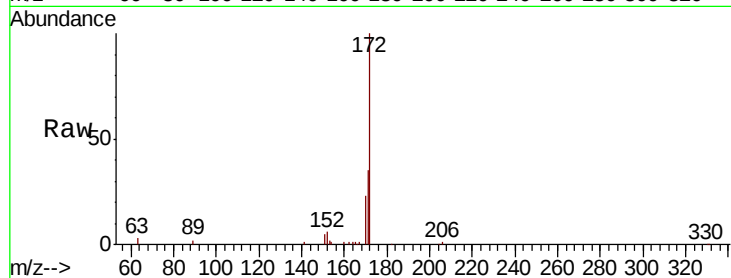




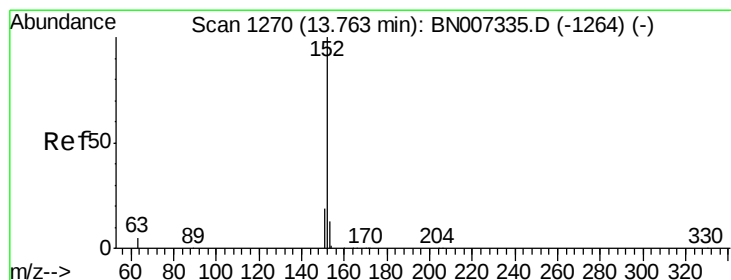
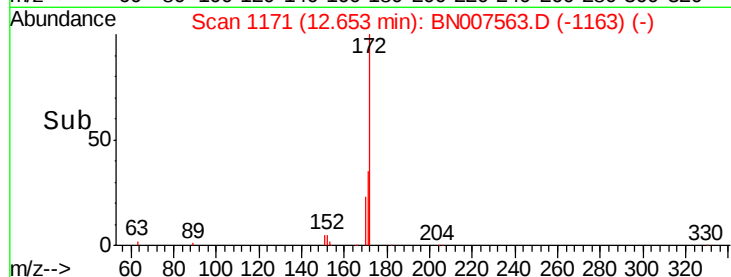
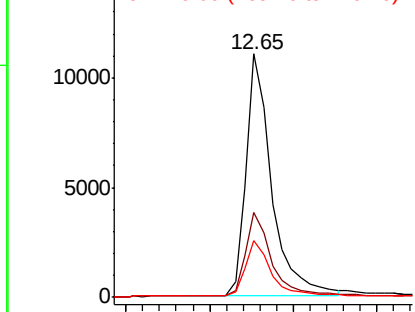
#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007563.D
Acq: 08 Sep 2019 22:49

Instrument :
BNA_N
ClientSampleId :
PB122882BS

Tot Ion:172 Resp: 23559
Ion Ratio Lower Upper
172 100
171 35.0 30.3 45.5
170 23.2 20.7 31.1

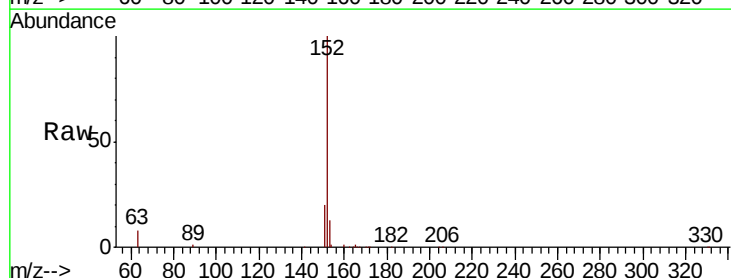


Abundance Ion 172.00 (171.70 to 172.70): E
15000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

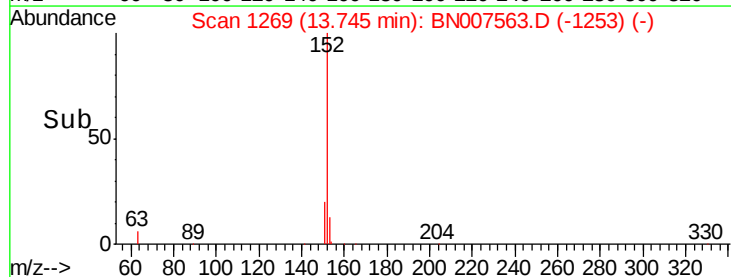
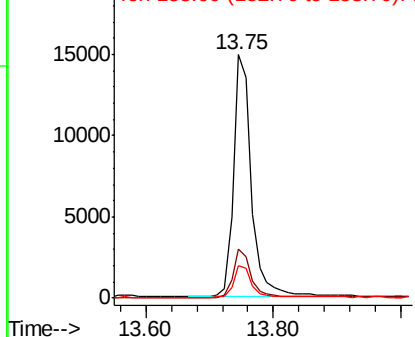


#16
Acenaphthylene
Concen: 0.339 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007563.D
Acq: 08 Sep 2019 22:49

Tgt Ion:152 Resp: 29381
Ion Ratio Lower Upper
152 100
151 19.6 16.1 24.1
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
20000 Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.388 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

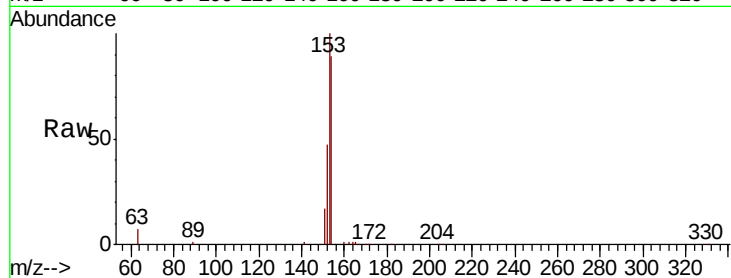
Tot Ion:154 Resp: 19712

Ion Ratio Lower Upper

154 100

153 112.8 92.8 139.2

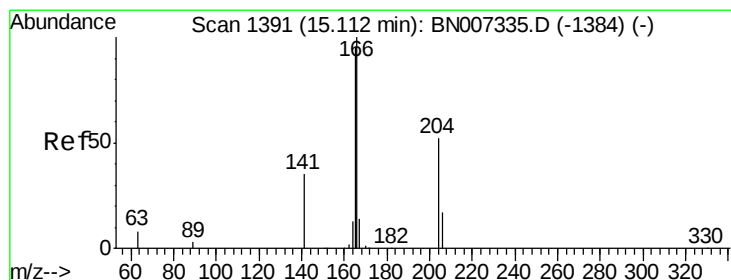
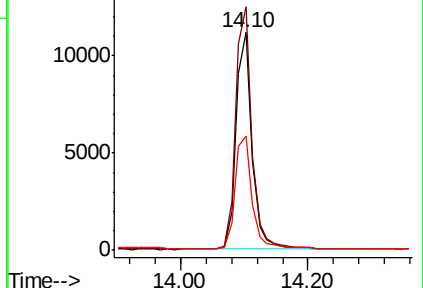
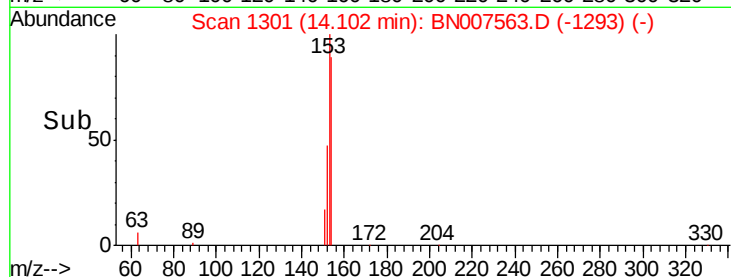
152 54.2 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.375 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

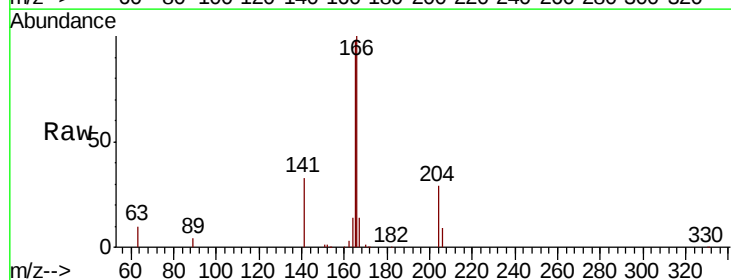
Tgt Ion:166 Resp: 24085

Ion Ratio Lower Upper

166 100

165 97.5 79.0 118.4

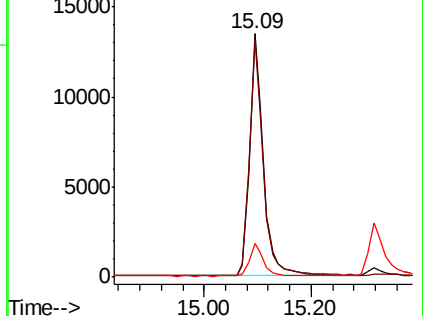
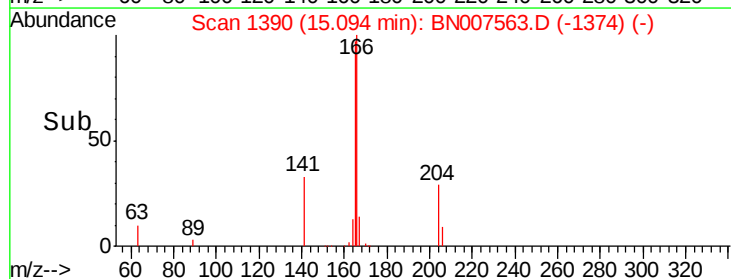
167 13.4 10.6 15.8



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: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

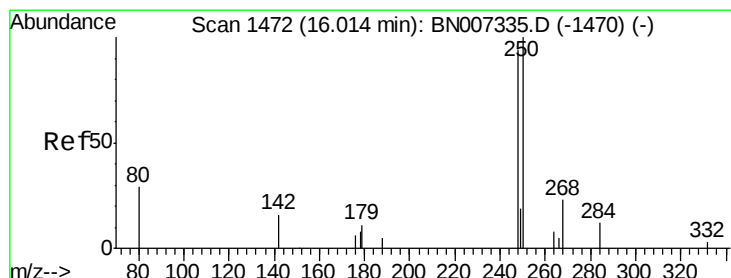
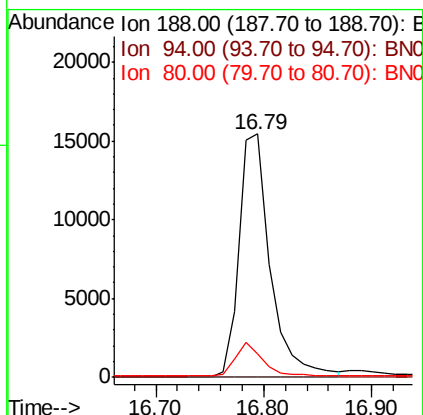
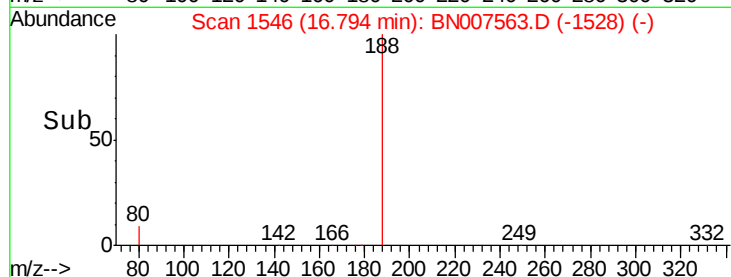
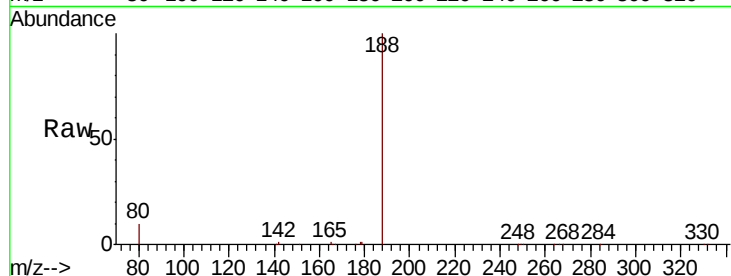
Tot Ion:188 Resp: 30723

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.7 11.8 17.8#



#20

4-Bromophenyl-phenylether

Concen: 0.242 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

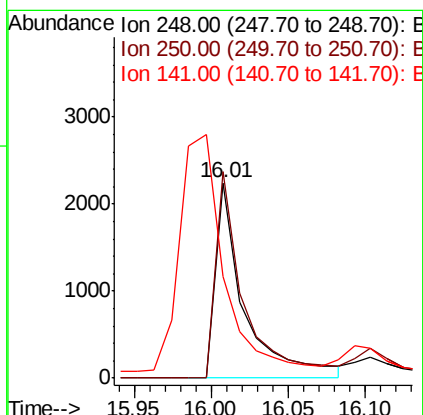
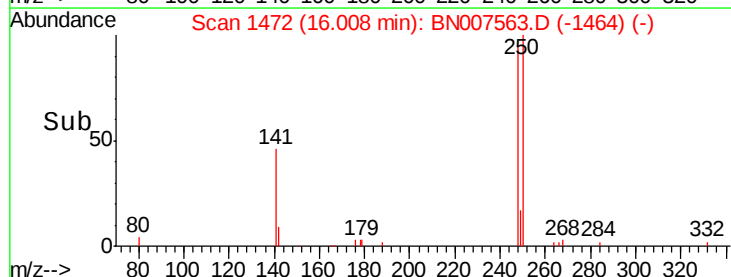
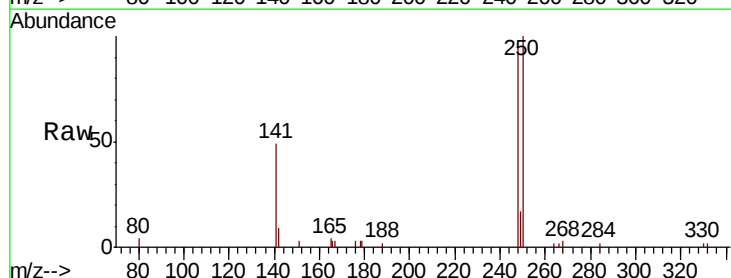
Tgt Ion:248 Resp: 2927

Ion Ratio Lower Upper

248 100

250 105.7 85.0 127.6

141 52.1 51.7 77.5





#21

Hexachlorobenzene

Concen: 0.410 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

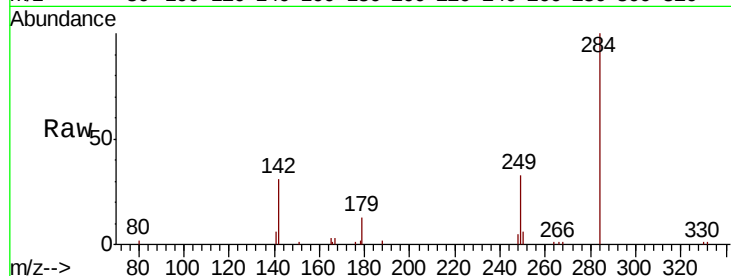
Tot Ion:284 Resp: 8442

Ion Ratio Lower Upper

284 100

142 33.7 29.0 43.6

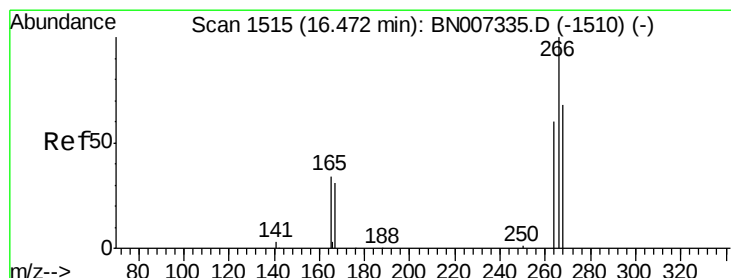
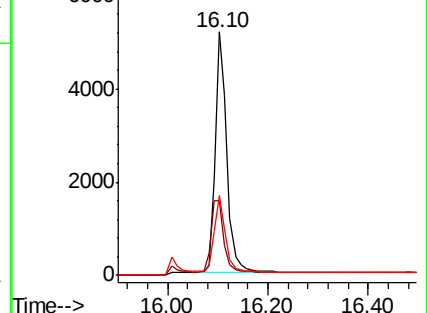
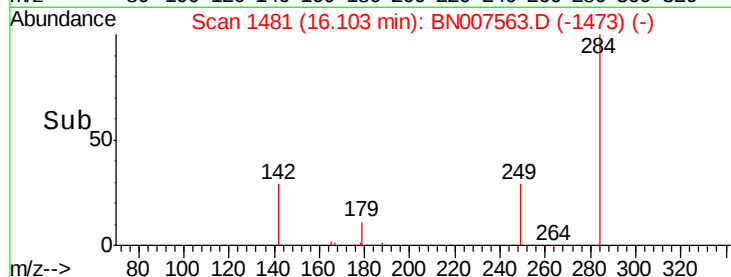
249 31.2 24.9 37.3



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.180 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

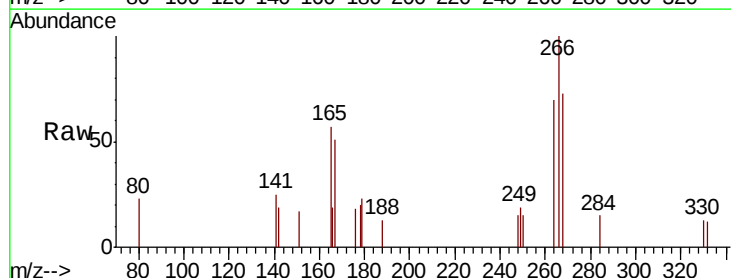
Tgt Ion:266 Resp: 1151

Ion Ratio Lower Upper

266 100

264 70.1 57.8 86.8

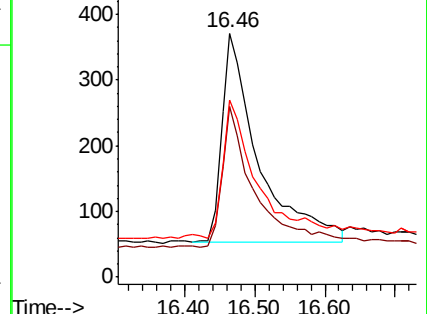
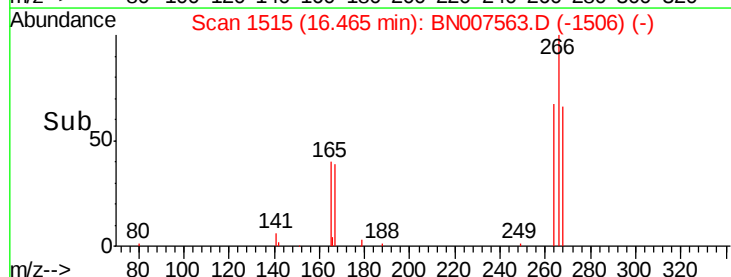
268 72.8 99.7 149.5#



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.401 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

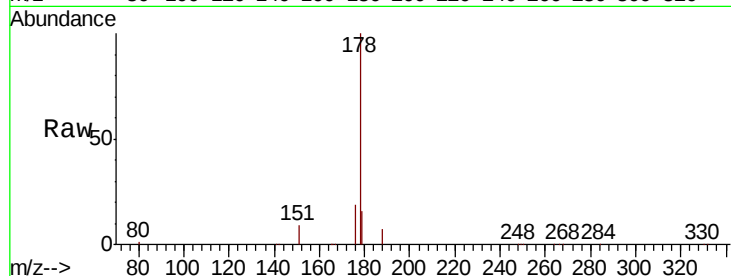
Tot Ion:178 Resp: 37049

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

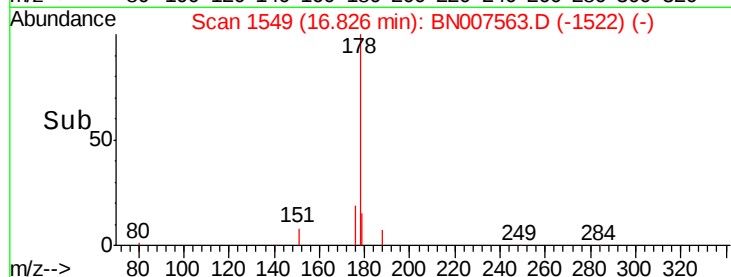
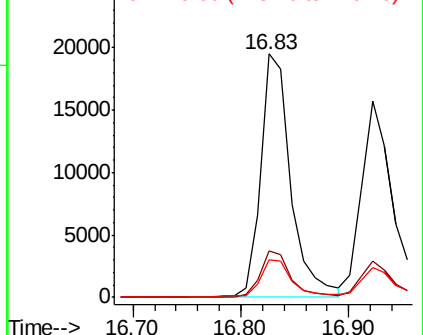
179 15.4 12.6 19.0



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: 0.345 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

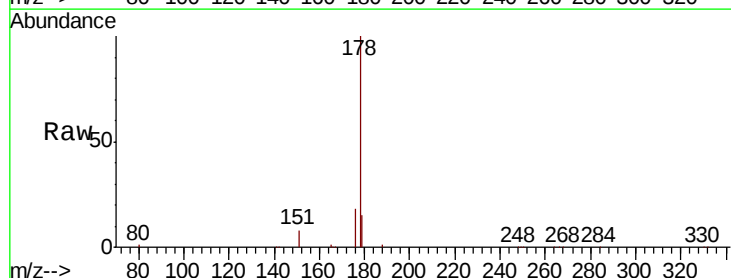
Tgt Ion:178 Resp: 32099

Ion Ratio Lower Upper

178 100

176 18.2 14.9 22.3

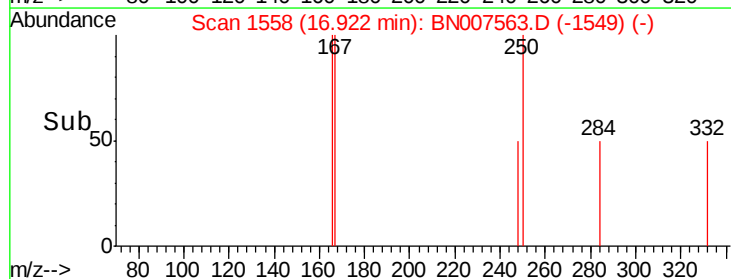
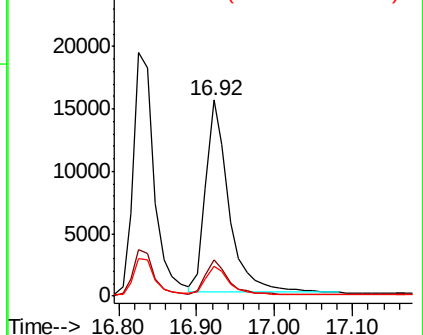
179 15.4 12.4 18.6

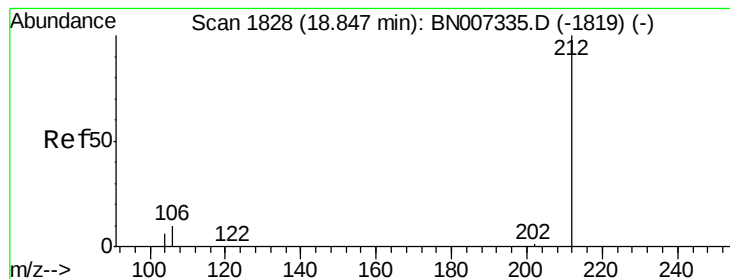


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

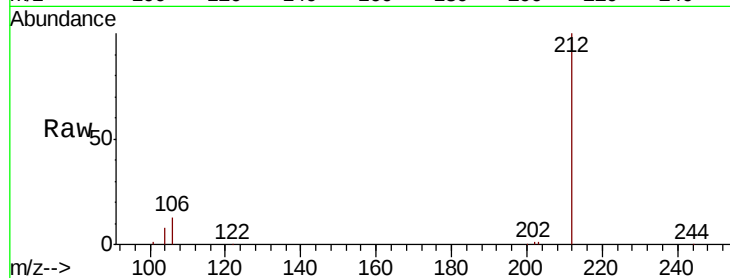
Tot Ion:212 Resp: 34015

Ion Ratio Lower Upper

212 100

106 13.7 9.0 13.4#

104 7.7 5.4 8.2

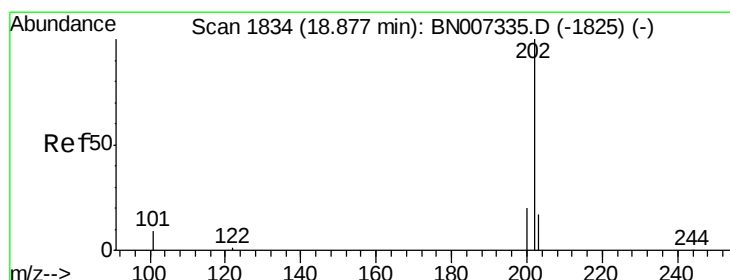
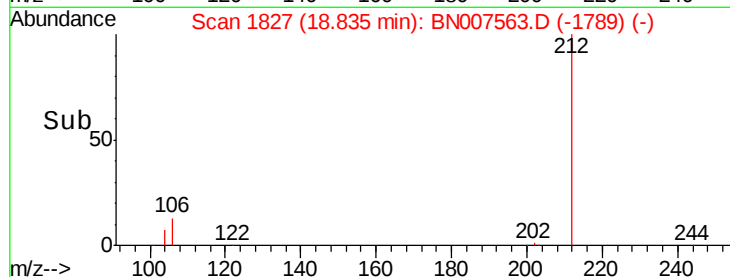
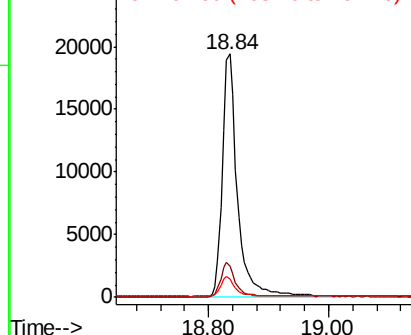


Abundance

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: 0.354 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

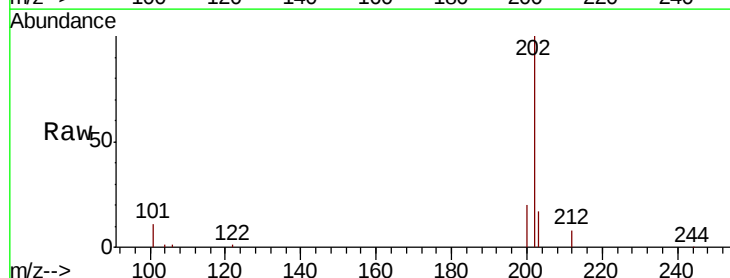
Tgt Ion:202 Resp: 41955

Ion Ratio Lower Upper

202 100

101 12.2 7.7 11.5#

203 16.9 13.7 20.5

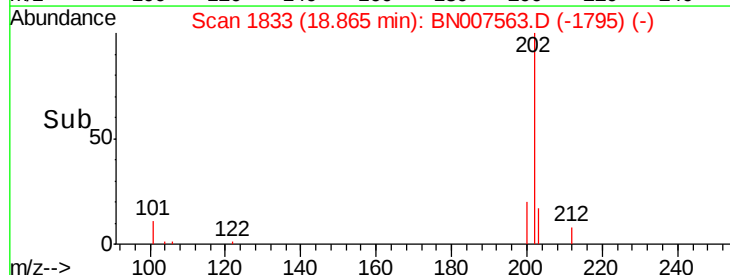
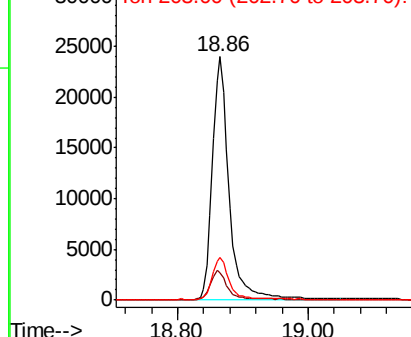


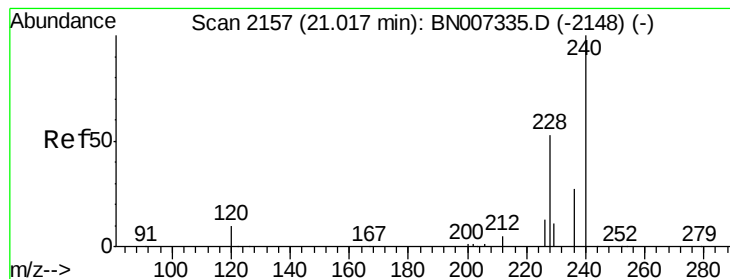
Abundance

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: 21.00 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

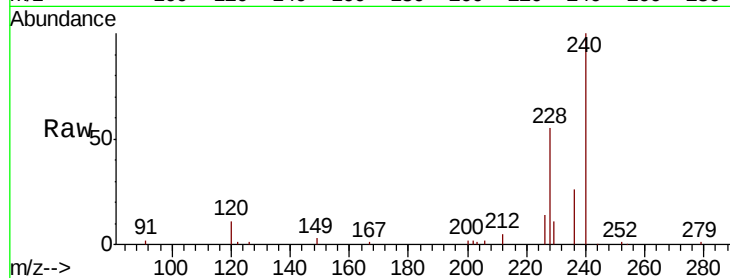
Tot Ion:240 Resp: 27411

Ion Ratio Lower Upper

240 100

120 11.0 9.6 14.4

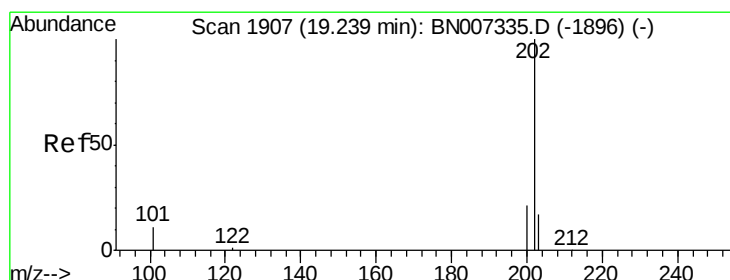
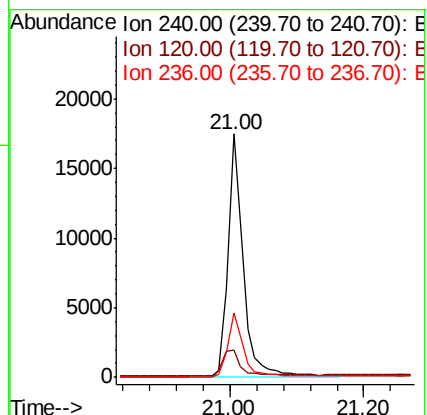
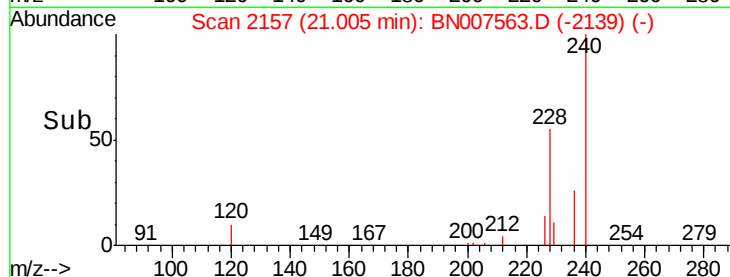
236 26.5 22.2 33.2



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: 0.386 ng

RT: 19.23 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

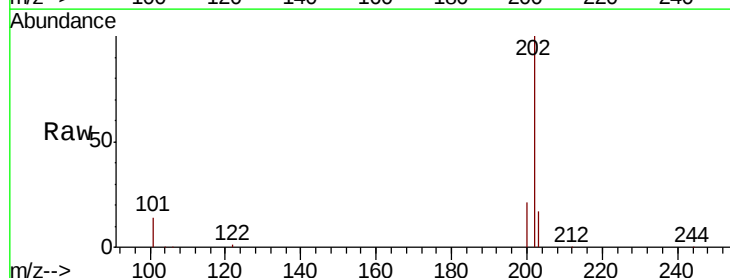
Tgt Ion:202 Resp: 42610

Ion Ratio Lower Upper

202 100

200 20.2 16.6 25.0

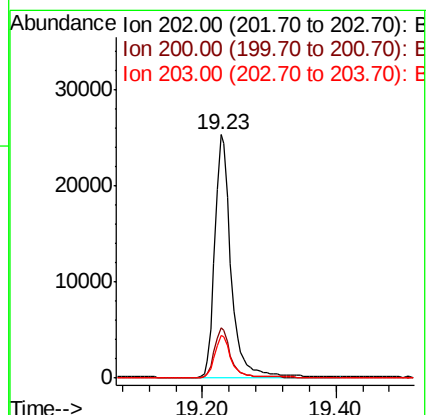
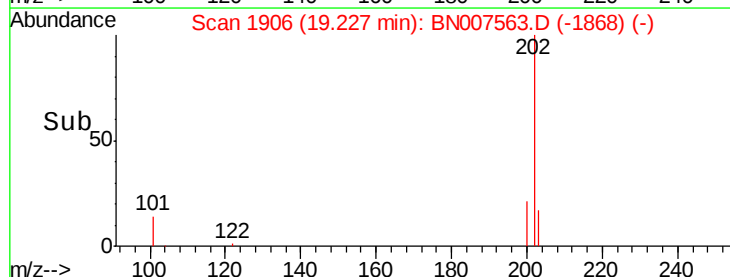
203 17.5 14.2 21.4



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: 0.369 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

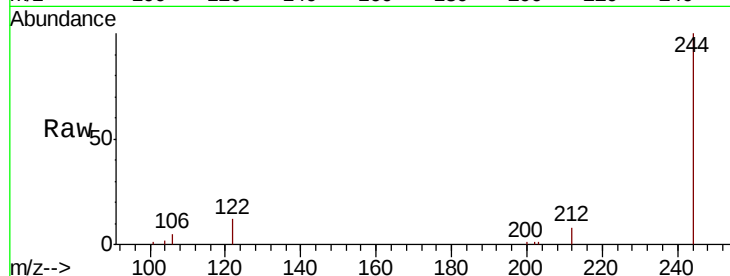
Tot Ion:244 Resp: 26492

Ion Ratio Lower Upper

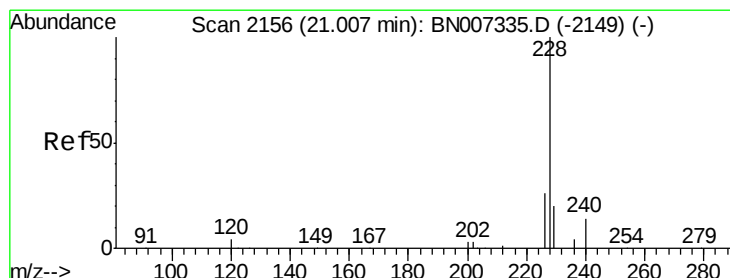
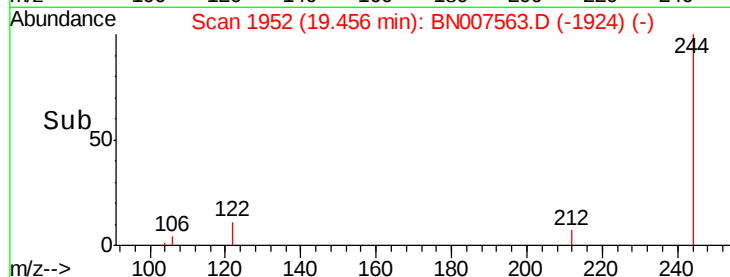
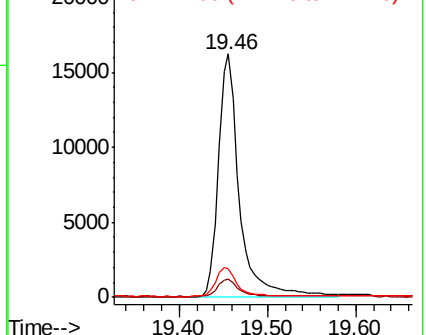
244 100

212 7.7 7.0 10.6

122 11.7 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: 0.320 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

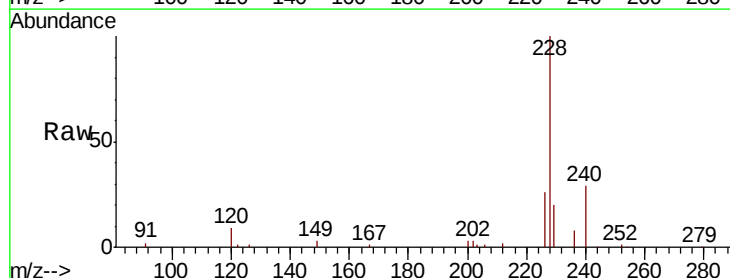
Tgt Ion:228 Resp: 34495

Ion Ratio Lower Upper

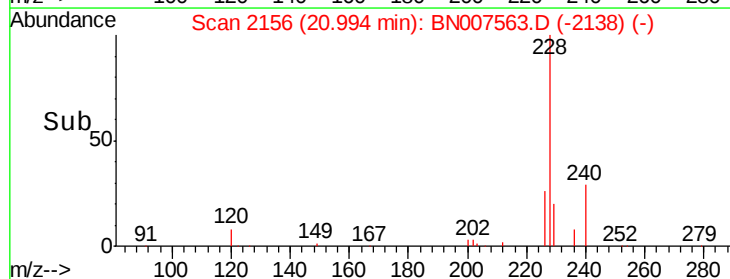
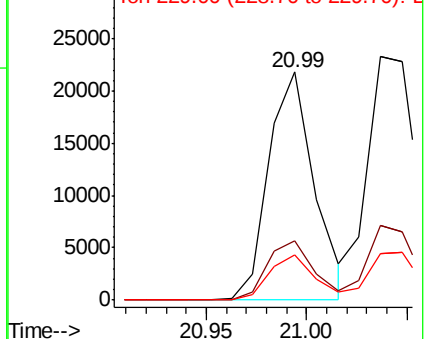
228 100

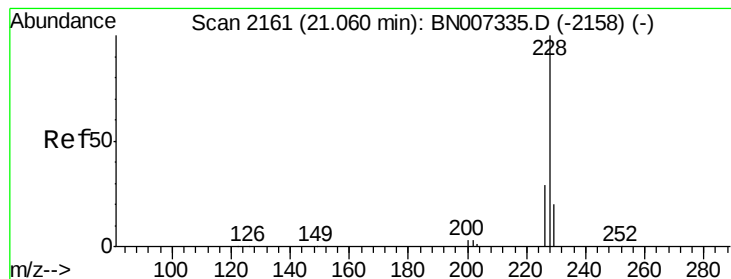
226 26.1 21.3 31.9

229 19.9 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: 0.398 ng

RT: 21.04 min Scan# 2160

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

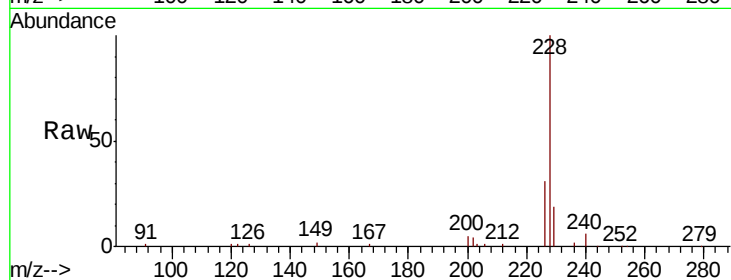
Tot Ion:228 Resp: 41346

Ion Ratio Lower Upper

228 100

226 30.6 23.5 35.3

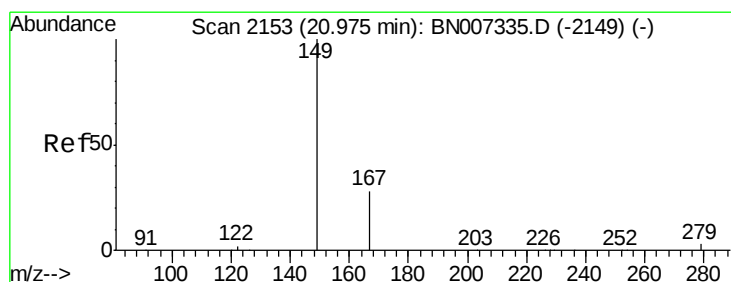
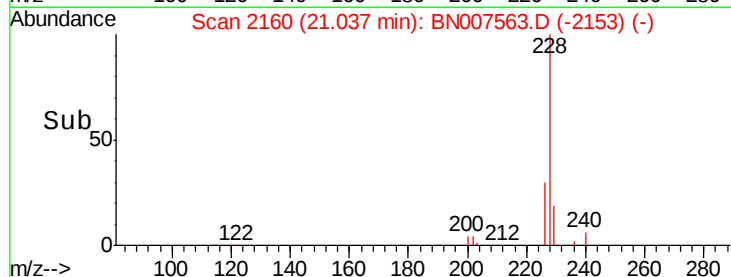
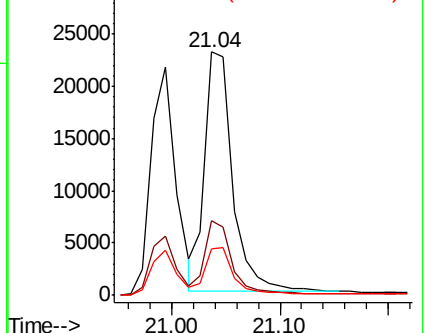
229 18.9 16.6 24.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.208 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

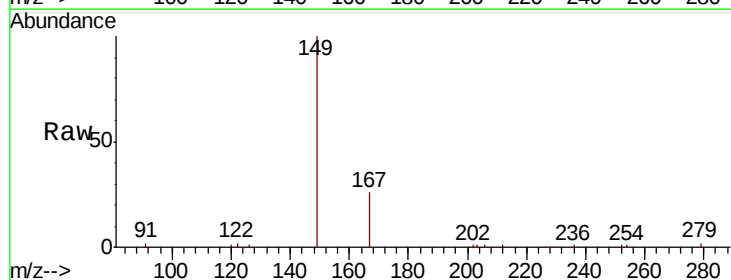
Tgt Ion:149 Resp: 15836

Ion Ratio Lower Upper

149 100

167 27.1 22.8 34.2

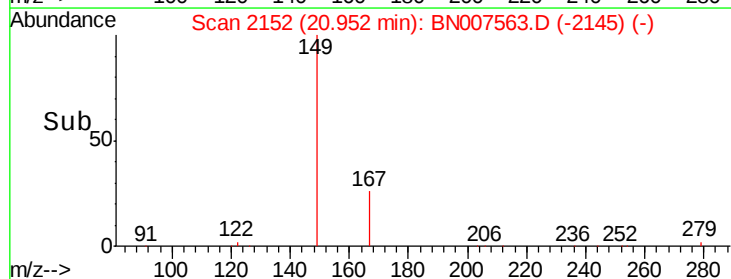
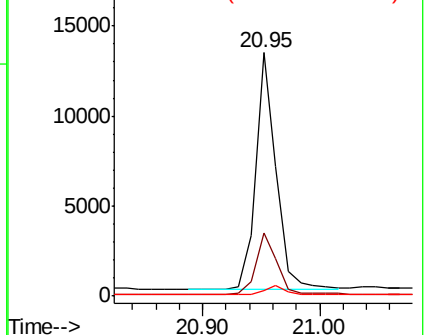
279 4.3 3.5 5.3



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: 0.381 ng

RT: 25.16 min Scan# 3093

Delta R.T. -0.04 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

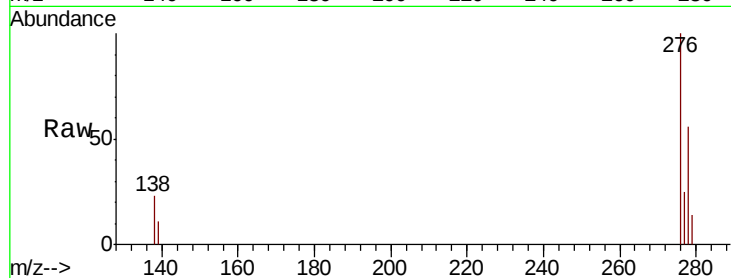
Tot Ion:276 Resp: 47710

Ion Ratio Lower Upper

276 100

138 25.4 15.1 22.7#

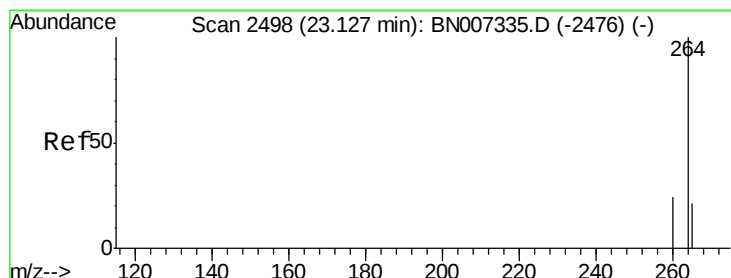
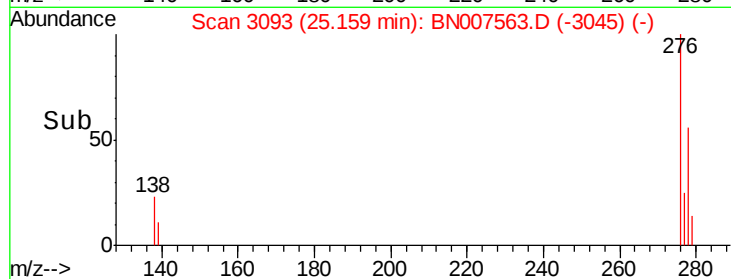
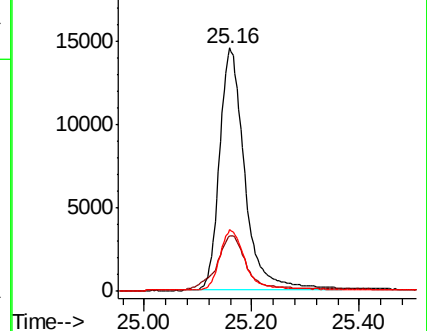
277 24.5 19.7 29.5



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: 23.11 min Scan# 2493

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

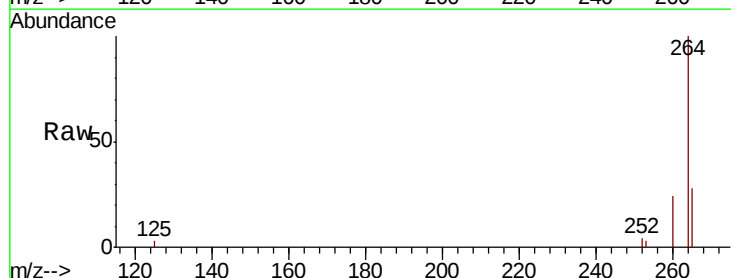
Tgt Ion:264 Resp: 29573

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

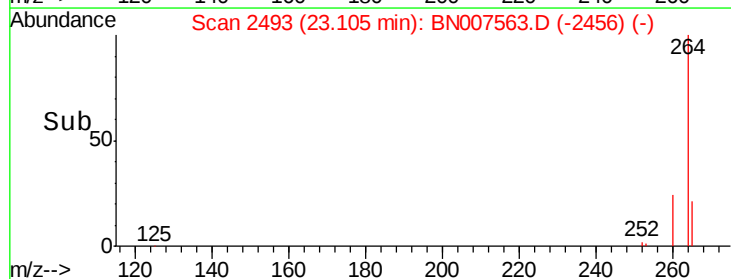
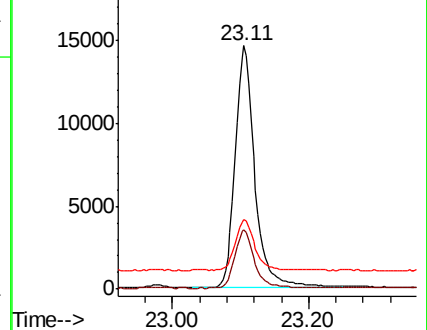
265 28.4 29.9 44.9#



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

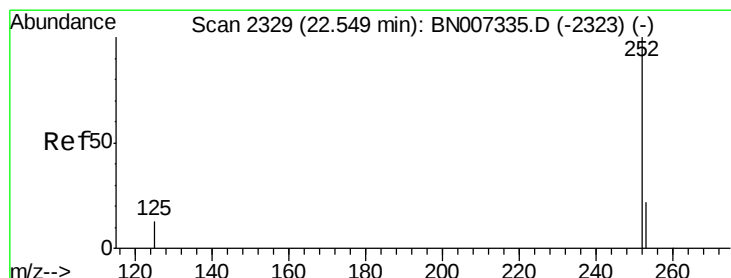
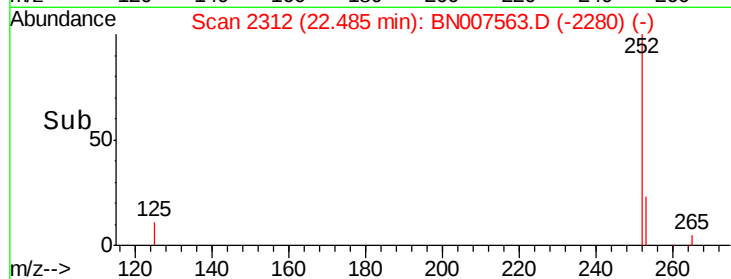
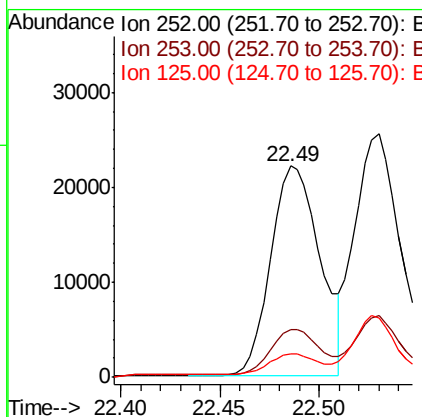
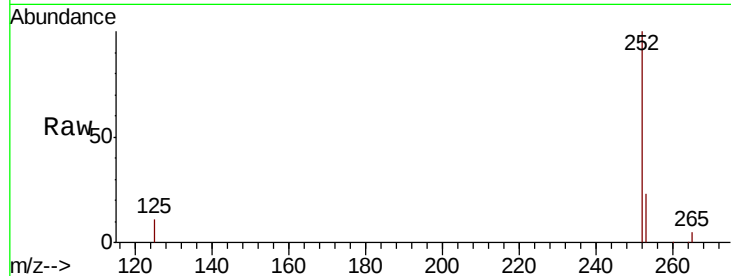




#35
Benzo(b)fluoranthene
Concen: 0.357 ng
RT: 22.49 min Scan# 2312
Delta R.T. -0.02 min
Lab File: BN007563.D
Acq: 08 Sep 2019 22:49

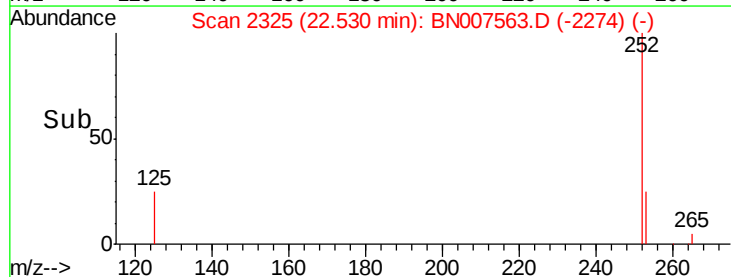
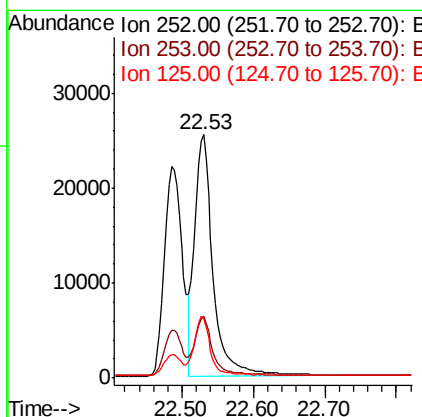
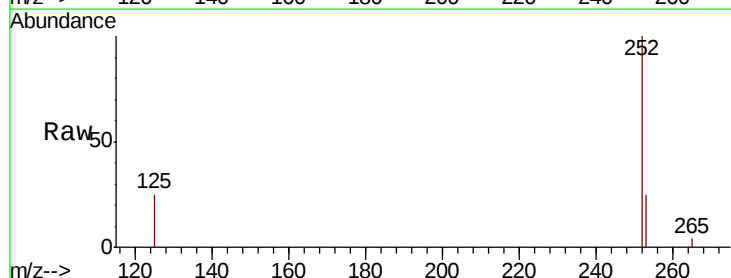
Instrument :
BNA_N
ClientSampleId :
PB122882BS

Tot Ion:252 Resp: 38299
Ion Ratio Lower Upper
252 100
253 22.7 19.2 28.8
125 11.1 10.6 16.0



#36
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 22.53 min Scan# 2325
Delta R.T. -0.02 min
Lab File: BN007563.D
Acq: 08 Sep 2019 22:49

Tgt Ion:252 Resp: 45442
Ion Ratio Lower Upper
252 100
253 25.2 19.4 29.2
125 24.5 13.1 19.7#





#37

Benzo(a)pyrene

Concen: 0.361 ng

RT: 23.02 min Scan# 2467

Delta R.T. -0.02 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

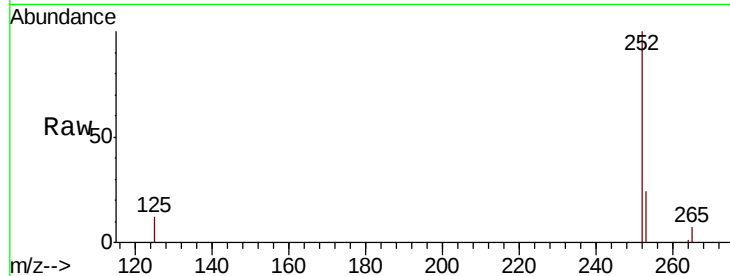
Tot Ion:252 Resp: 36780

Ion Ratio Lower Upper

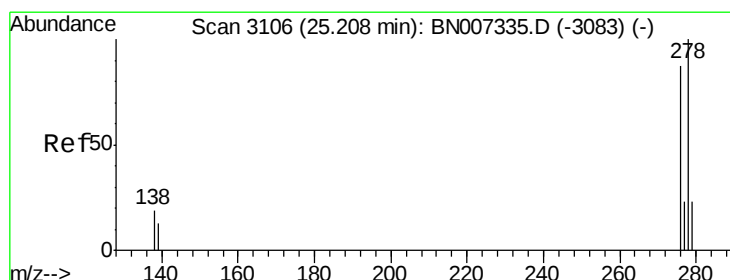
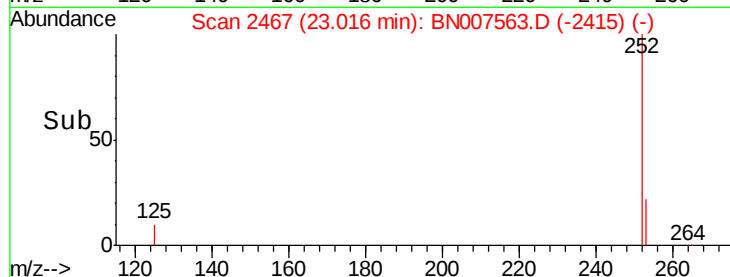
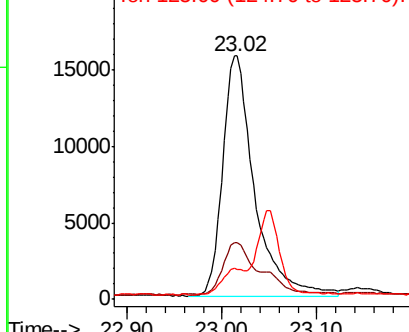
252 100

253 23.5 19.5 29.3

125 12.3 12.1 18.1



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



#38

Dibenzo(a,h)anthracene

Concen: 0.371 ng

RT: 25.17 min Scan# 3097

Delta R.T. -0.04 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

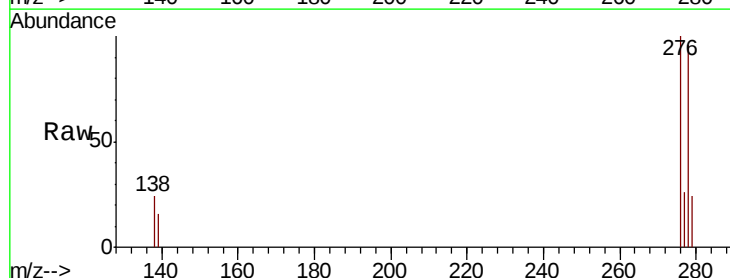
Tgt Ion:278 Resp: 37762

Ion Ratio Lower Upper

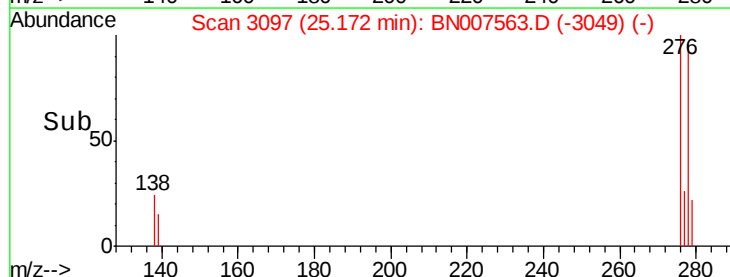
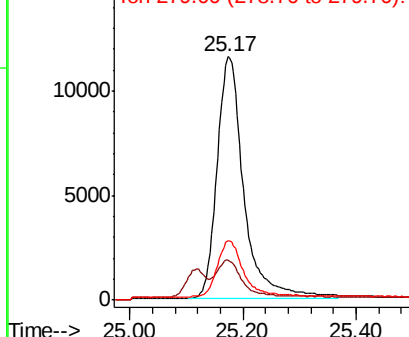
278 100

139 16.2 13.7 20.5

279 24.5 20.2 30.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.377 ng

RT: 25.78 min Scan# 3274

Delta R.T. -0.04 min

Lab File: BN007563.D

Acq: 08 Sep 2019 22:49

Instrument :

BNA_N

ClientSampleId :

PB122882BS

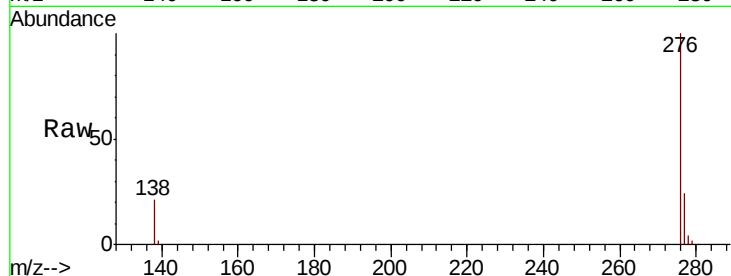
Tot Ion: 276 Resp: 38263

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

138 21.0 16.3 24.5



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

