

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082719\
 Data File : BN007431.D
 Acq On : 27 Aug 2019 12:00
 Operator : HP/JU
 Sample : PB122534BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 05:39:15 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	4945	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	20021	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	10921	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	26449	0.40	ng	0.00
27) Chrysene-d12	21.03	240	30087	0.40	ng	0.00
34) Perylene-d12	23.13	264	30174	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	5687	0.33	ng	0.00
5) Phenol-d6	6.59	99	7020	0.32	ng	0.00
8) Nitrobenzene-d5	8.53	82	6041	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	11613	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	2274	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	15522	0.35	ng	0.00
25) Fluoranthene-d10	18.84	212	30391	0.36	ng	0.00
29) Terphenyl-d14	19.47	244	22401	0.28	ng	0.00

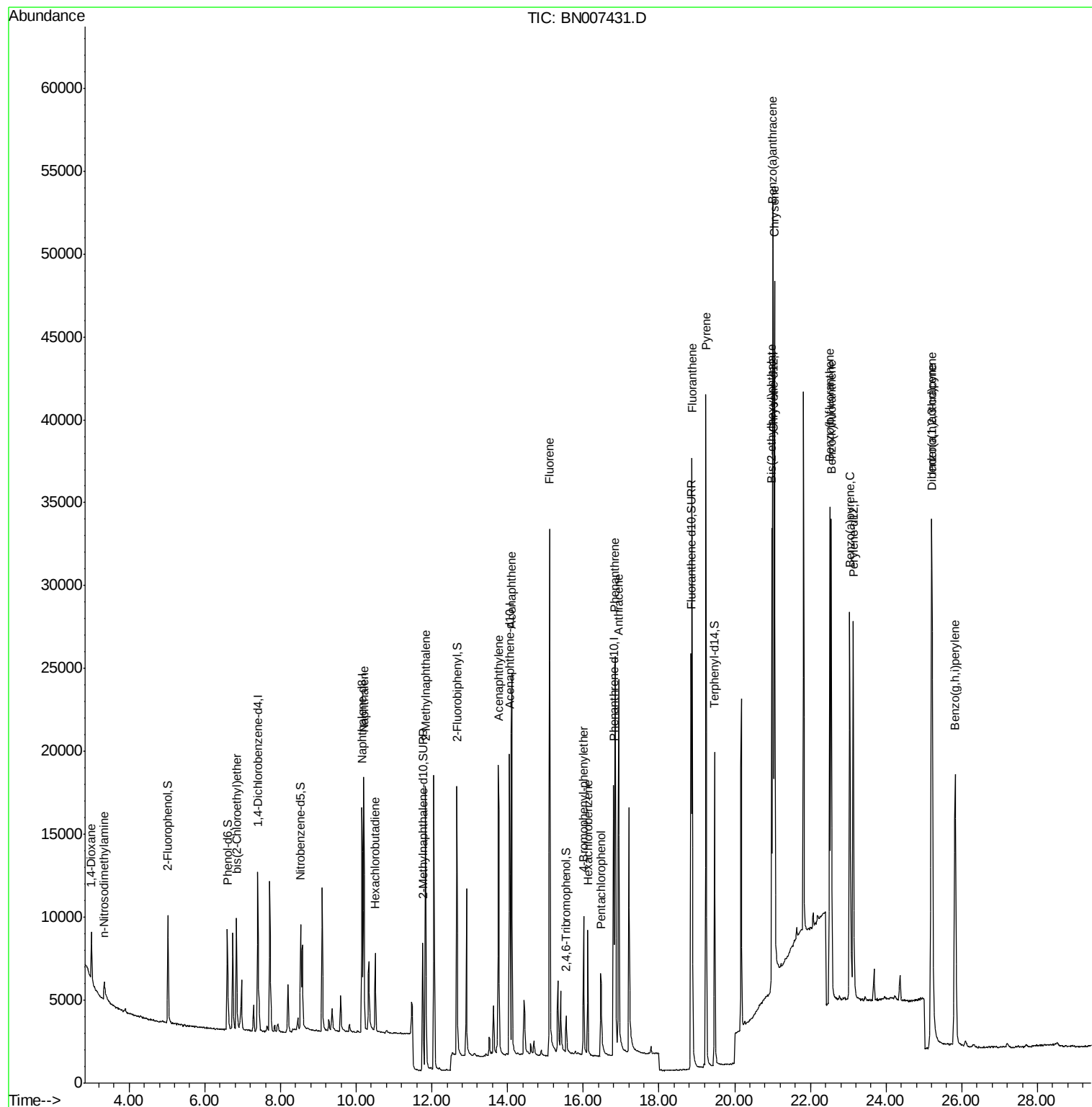
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	2867	0.349	ng	# 78
3) n-Nitrosodimethylamine	3.34	42	965	0.253	ng	# 78
6) bis(2-Chloroethyl)ether	6.84	93	6104	0.342	ng	95
9) Naphthalene	10.20	128	20213	0.353	ng	# 90
10) Hexachlorobutadiene	10.51	225	3846	0.328	ng	# 98
12) 2-Methylnaphthalene	11.83	142	13461	0.345	ng	96
16) Acenaphthylene	13.76	152	22264	0.345	ng	100
17) Acenaphthene	14.11	154	13290	0.352	ng	98
18) Fluorene	15.10	166	17087	0.357	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	3781	0.363	ng	97
21) Hexachlorobenzene	16.11	284	6261	0.353	ng	96
22) Pentachlorophenol	16.46	266	3964	0.720	ng	# 63
23) Phenanthrene	16.84	178	28174	0.354	ng	99
24) Anthracene	16.93	178	26248	0.328	ng	99
26) Fluoranthene	18.87	202	36794	0.360	ng	99
28) Pyrene	19.24	202	38565	0.319	ng	100
30) Benzo(a)anthracene	21.00	228	36009	0.305	ng	99
31) Chrysene	21.06	228	35812	0.314	ng	99
32) Bis(2-ethylhexyl)phthalate	20.97	149	24017	0.295	ng	99
33) Indeno(1,2,3-cd)pyrene	25.20	276	41690	0.303	ng	98
35) Benzo(b)fluoranthene	22.51	252	35359	0.323	ng	99
36) Benzo(k)fluoranthene	22.55	252	36989	0.342	ng	99
37) Benzo(a)pyrene	23.04	252	34532	0.332	ng	99
38) Dibenzo(a,h)anthracene	25.22	278	33496	0.323	ng	96
39) Benzo(g,h,i)perylene	25.82	276	34600	0.335	ng	98

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

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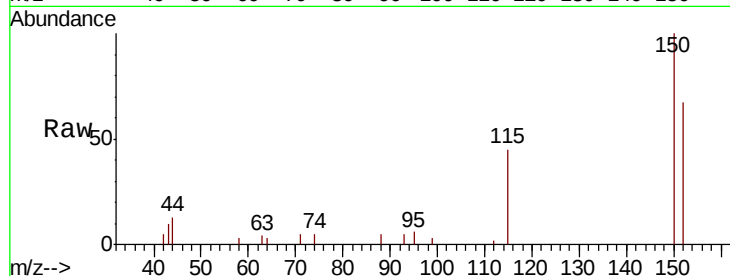


#1

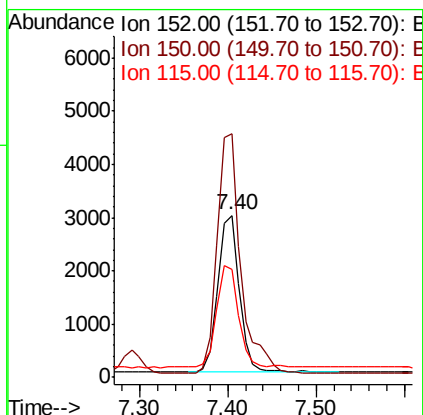
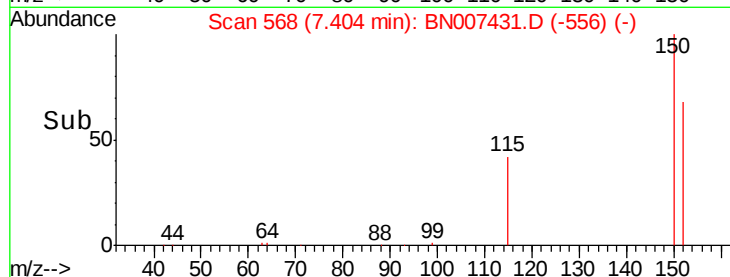
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007431.D
Acq: 27 Aug 2019 12:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 4945
Ion Ratio Lower Upper
152 100
150 150.1 109.1 163.7
115 66.9 59.6 89.4



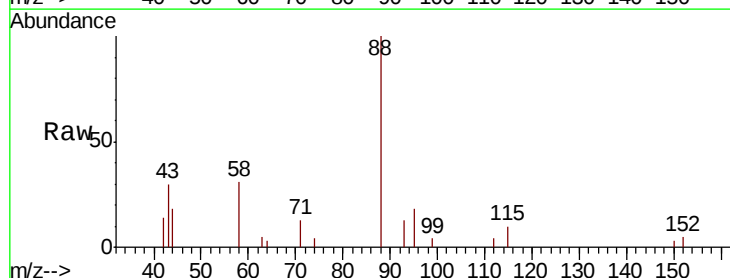
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



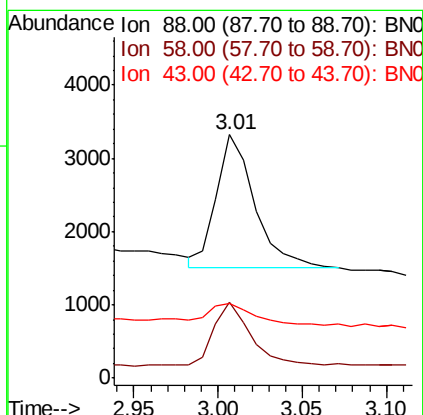
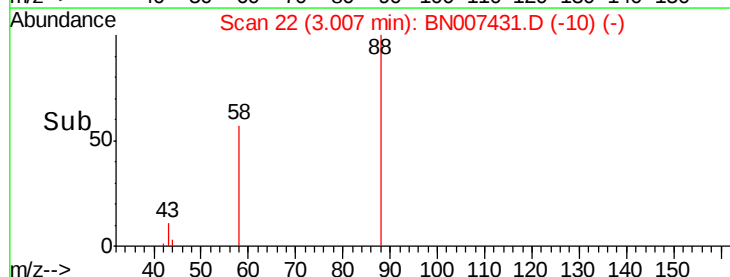
#2

1,4-Dioxane
Concen: 0.349 ng
RT: 3.01 min Scan# 22
Delta R.T. -0.00 min
Lab File: BN007431.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 88 Resp: 2867
Ion Ratio Lower Upper
88 100
58 46.4 50.5 75.7#
43 17.5 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.253 ng

RT: 3.34 min Scan# 63

Delta R.T. 0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampled :

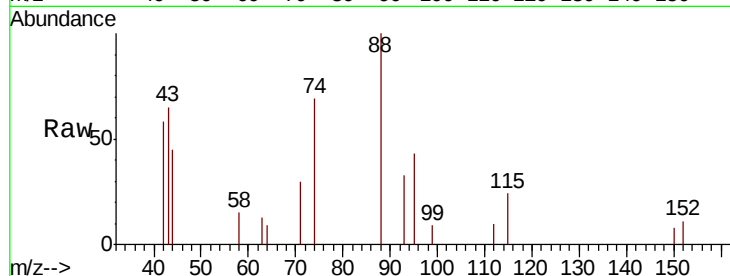
Tot Ion: 42 Resp: 965

Ion Ratio Lower Upper

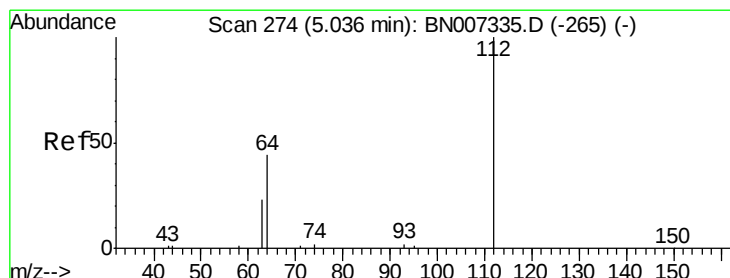
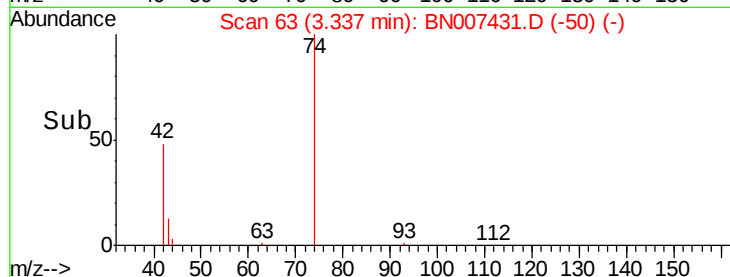
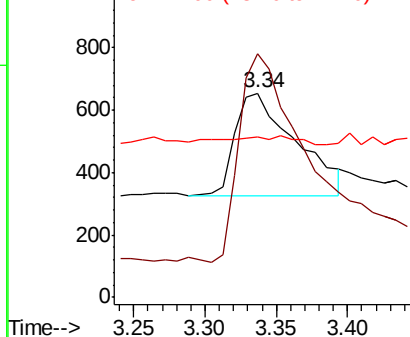
42 100

74 213.0 144.7 217.1

44 6.4 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BNC
Ion 74.00 (73.70 to 74.70): BNC
Ion 44.00 (43.70 to 44.70): BNC



#4

2-Fluorophenol

Concen: 0.326 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

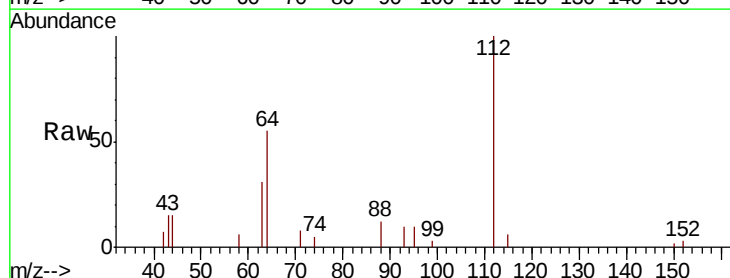
Tgt Ion: 112 Resp: 5687

Ion Ratio Lower Upper

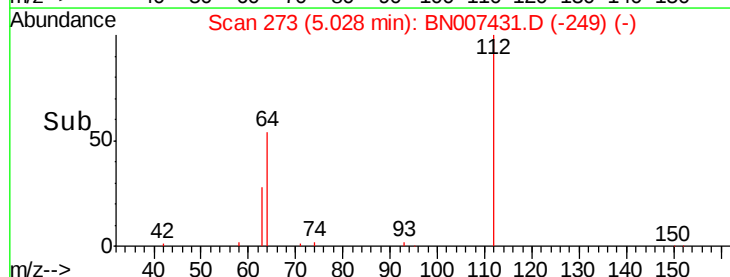
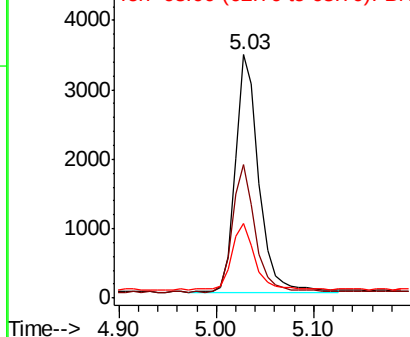
112 100

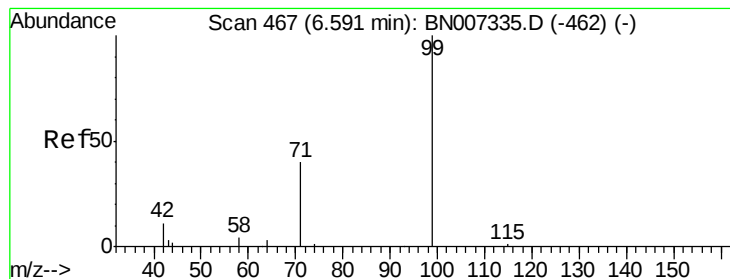
64 52.5 42.3 63.5

63 28.2 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BNC
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.315 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampled :

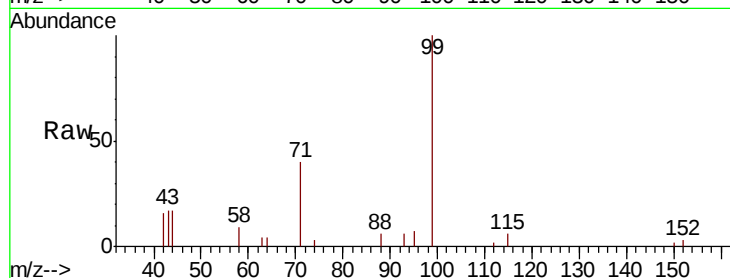
Tot Ion: 99 Resp: 7020

Ion Ratio Lower Upper

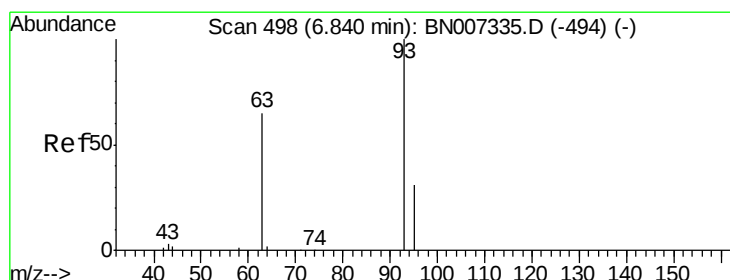
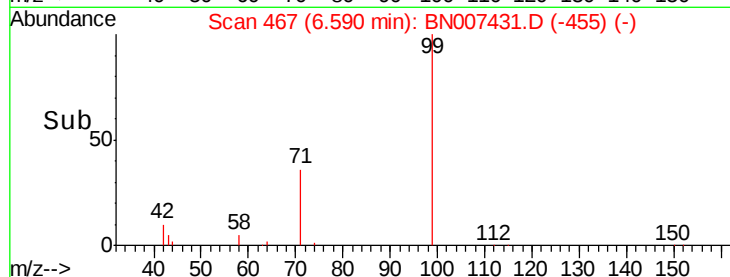
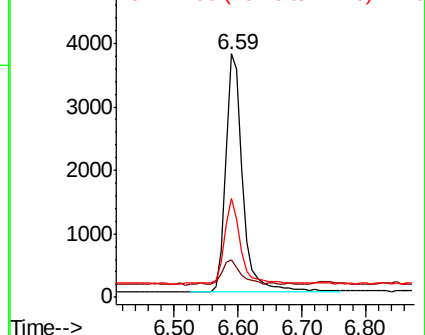
99 100

42 12.2 11.2 16.8

71 35.0 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN0
Ion 42.00 (41.70 to 42.70): BN0
Ion 71.00 (70.70 to 71.70): BN0



#6

bis(2-Chloroethyl)ether

Concen: 0.342 ng

RT: 6.84 min Scan# 498

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

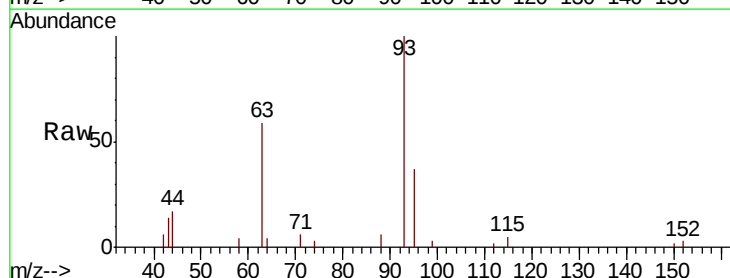
Tgt Ion: 93 Resp: 6104

Ion Ratio Lower Upper

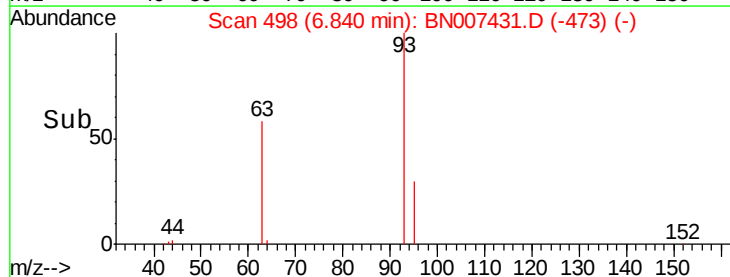
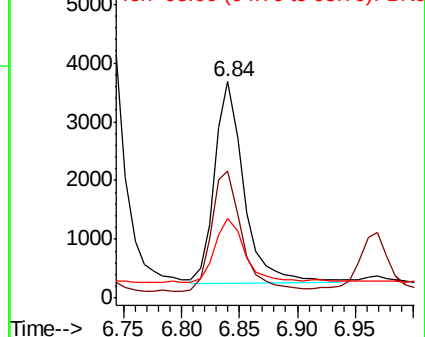
93 100

63 61.2 51.9 77.9

95 31.9 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN0
Ion 63.00 (62.70 to 63.70): BN0
Ion 95.00 (94.70 to 95.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 20021

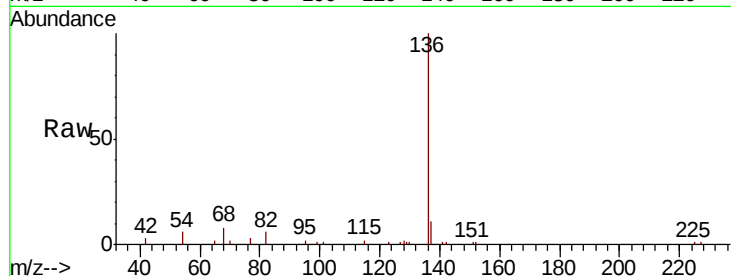
Ion Ratio Lower Upper

136 100

137 11.3 12.9 19.3#

54 5.8 8.6 12.8#

68 7.6 17.0 25.4#

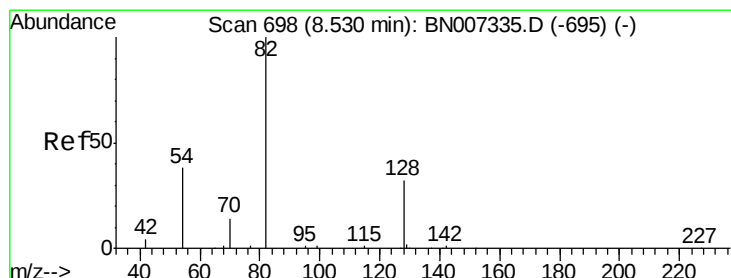
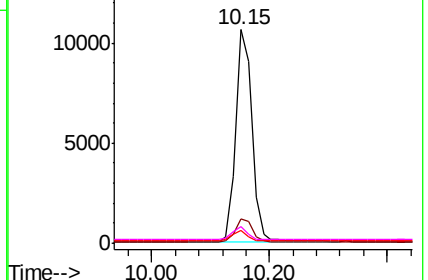
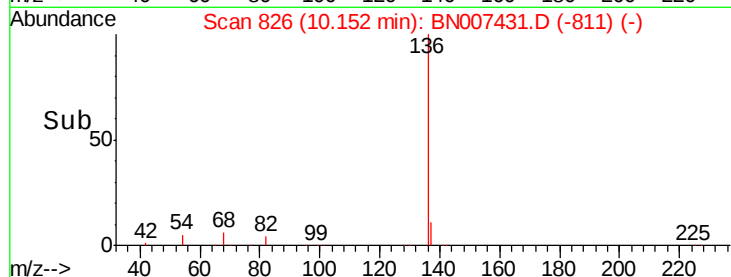


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.347 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

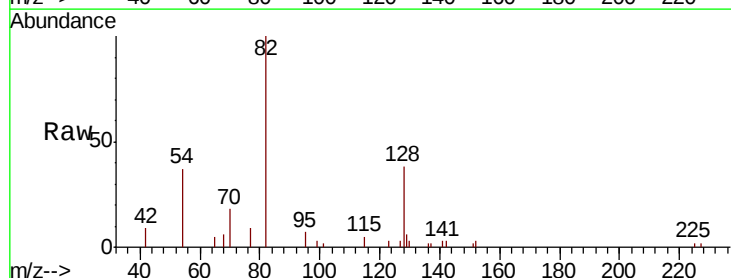
Tgt Ion: 82 Resp: 6041

Ion Ratio Lower Upper

82 100

128 37.9 19.7 29.5#

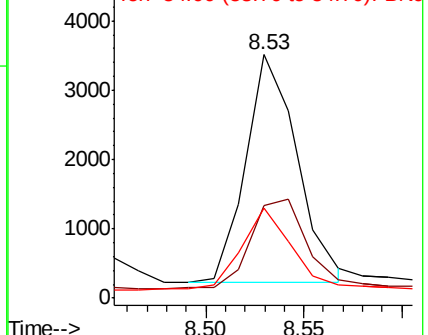
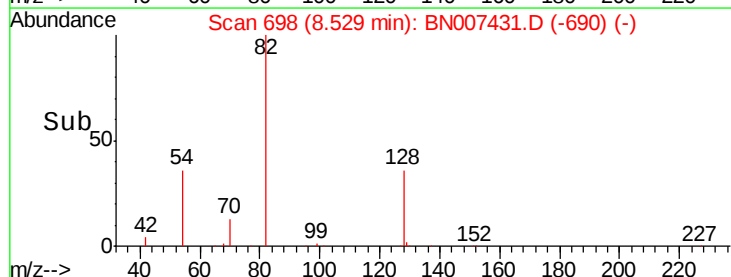
54 36.9 25.8 38.6

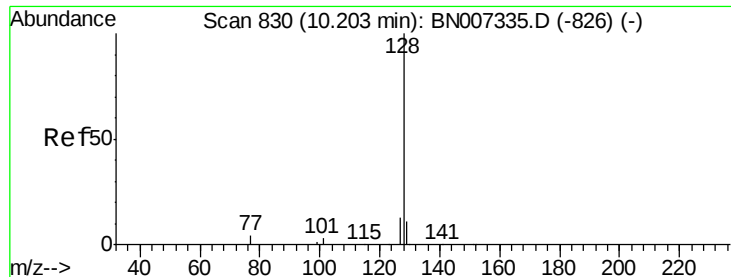


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.353 ng

RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

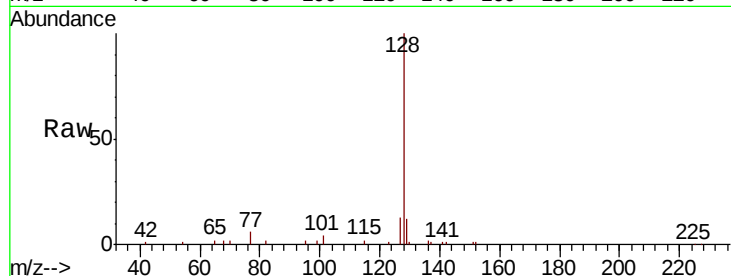
Tot Ion:128 Resp: 20213

Ion Ratio Lower Upper

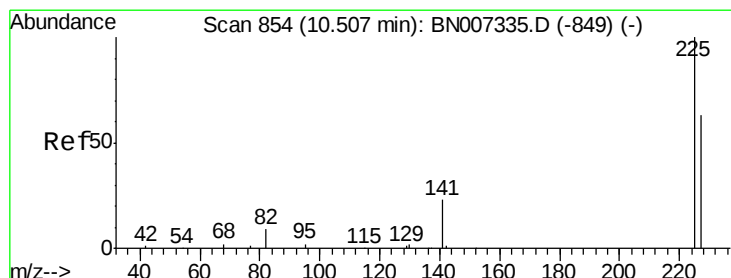
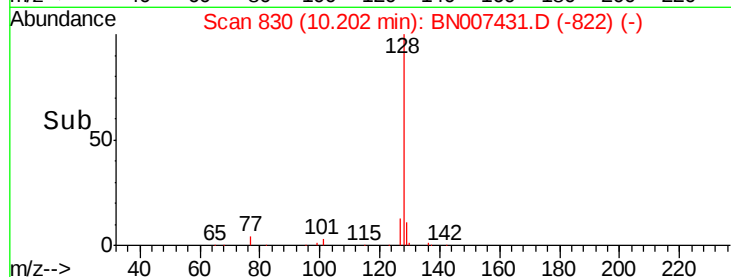
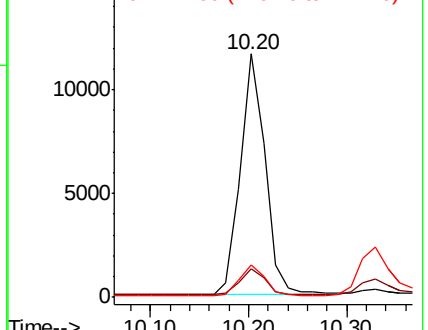
128 100

129 11.6 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: 0.328 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

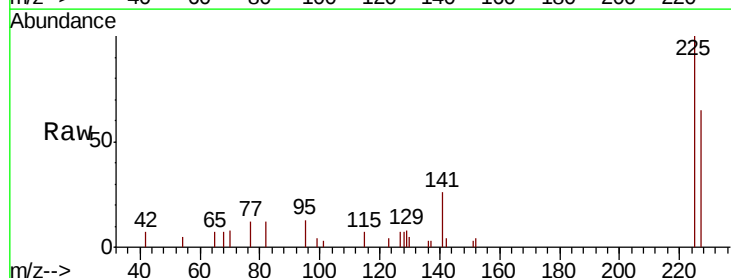
Tgt Ion:225 Resp: 3846

Ion Ratio Lower Upper

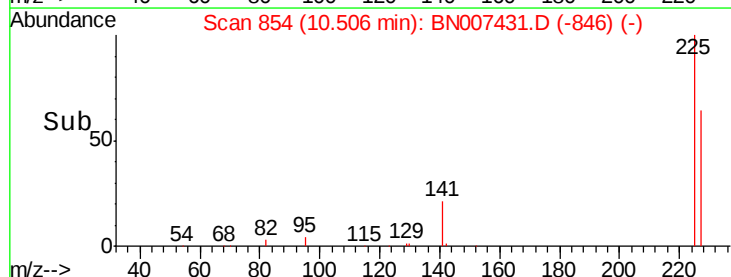
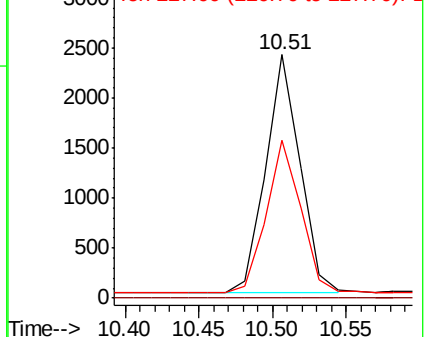
225 100

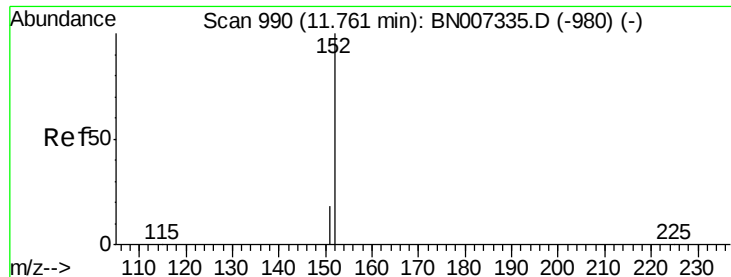
223 0.0 0.0 0.0

227 64.8 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

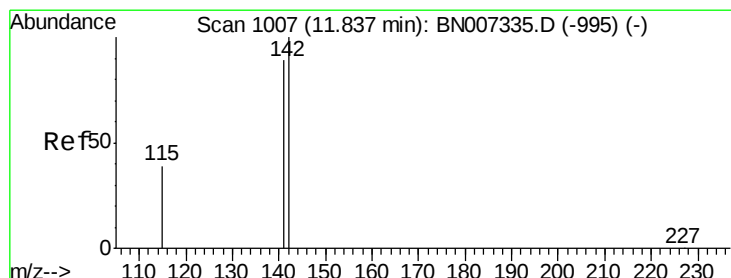
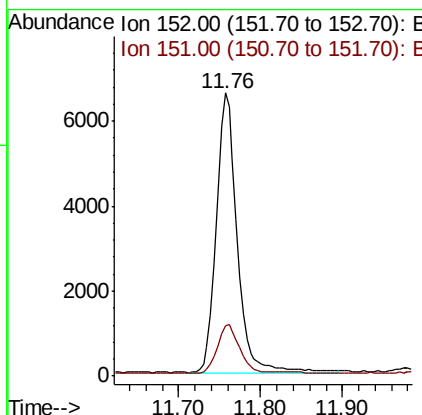
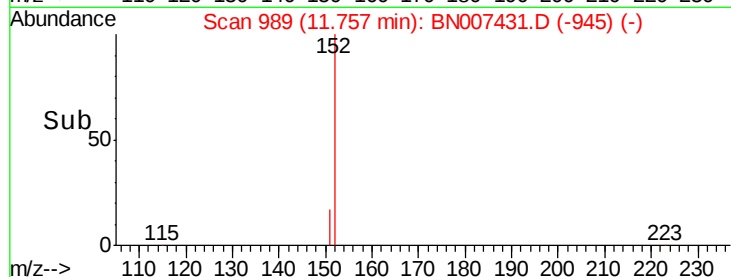
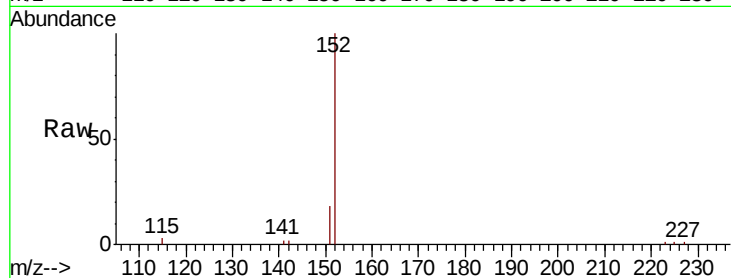




#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007431.D
Acq: 27 Aug 2019 12:00

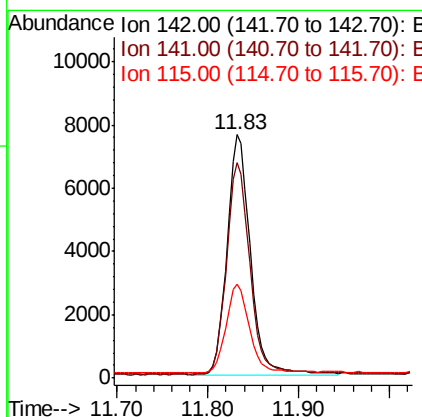
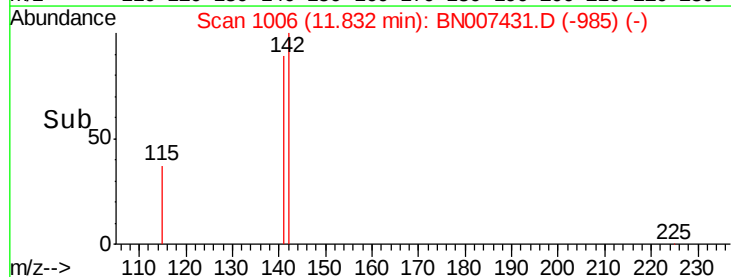
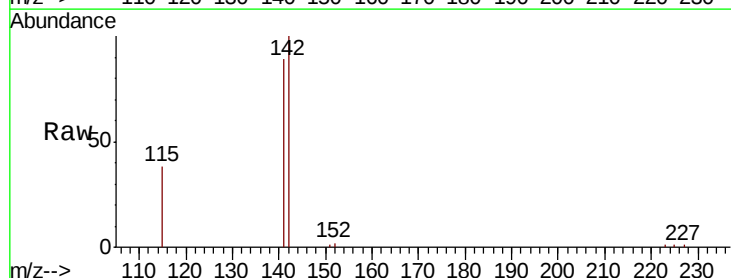
Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 11613
Ion Ratio Lower Upper
152 100
151 18.8 16.2 24.2



#12
2-Methylnaphthalene
Concen: 0.345 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007431.D
Acq: 27 Aug 2019 12:00

Tgt Ion:142 Resp: 13461
Ion Ratio Lower Upper
142 100
141 88.7 72.8 109.2
115 38.5 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

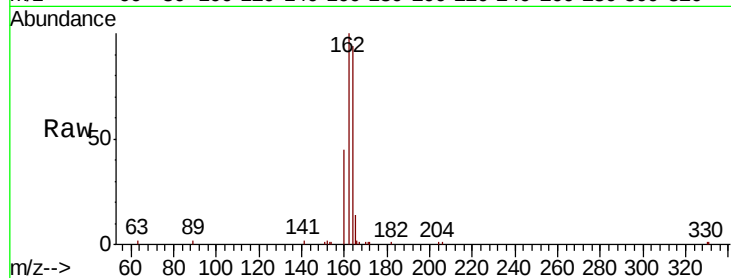
Tot Ion:164 Resp: 10921

Ion Ratio Lower Upper

164 100

162 105.9 83.5 125.3

160 48.2 38.2 57.4

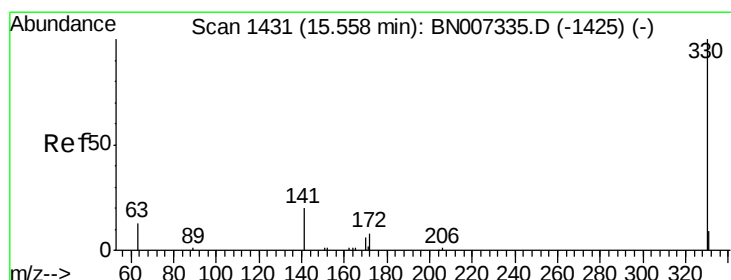
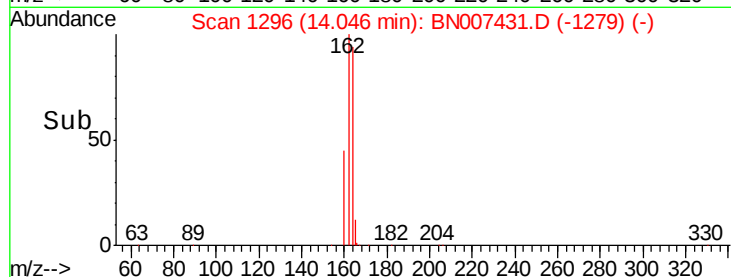
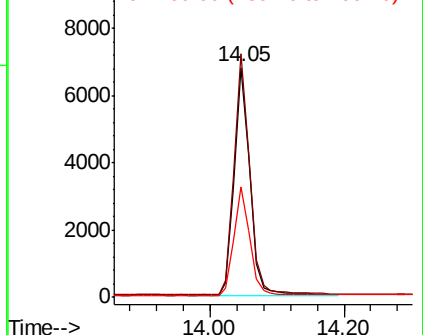


Abundance

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: 0.398 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

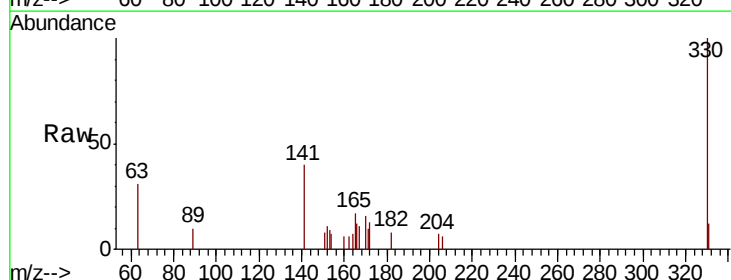
Tgt Ion:330 Resp: 2274

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 33.5 26.9 40.3

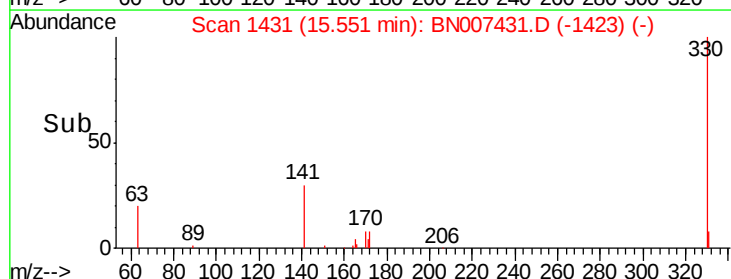
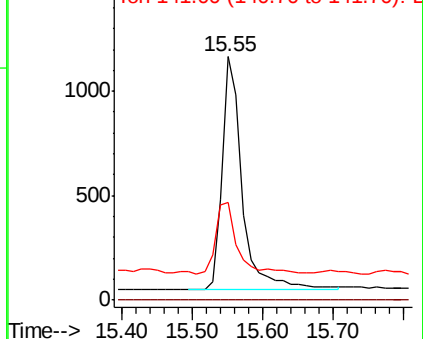


Abundance

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: 0.352 ng

RT: 12.66 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

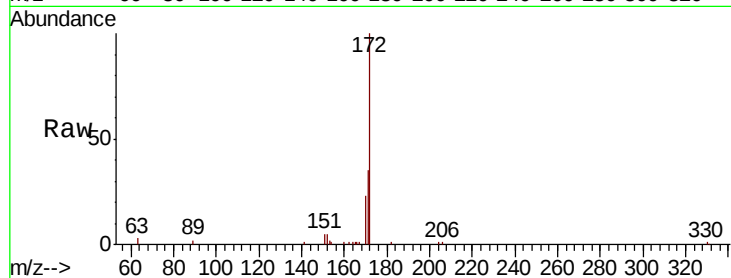
Tot Ion:172 Resp: 15522

Ion Ratio Lower Upper

172 100

171 34.8 30.3 45.5

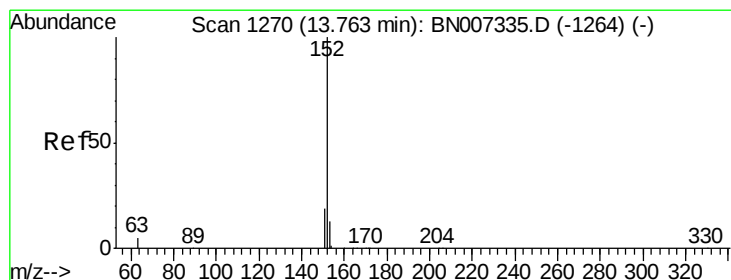
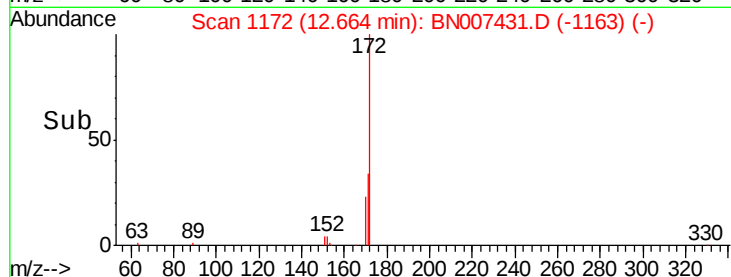
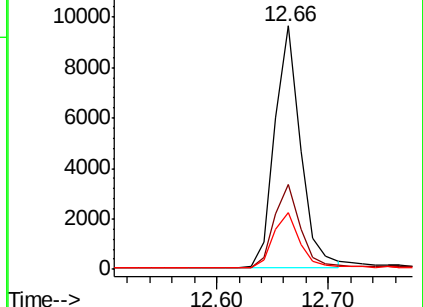
170 23.3 20.7 31.1



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.345 ng

RT: 13.76 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

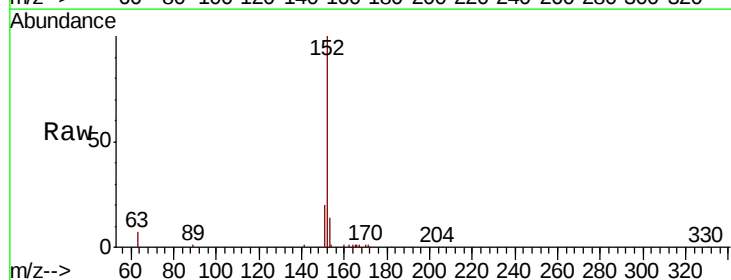
Tgt Ion:152 Resp: 22264

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

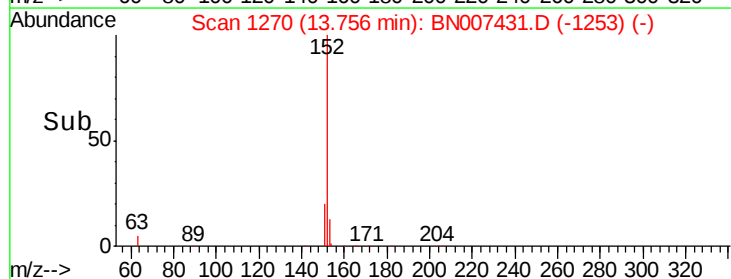
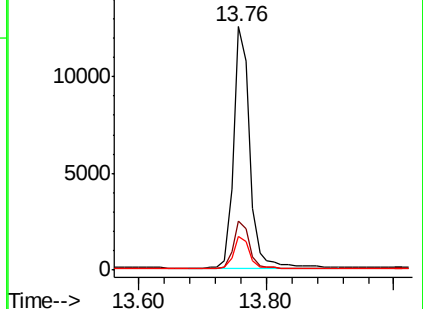
153 13.3 10.6 15.8

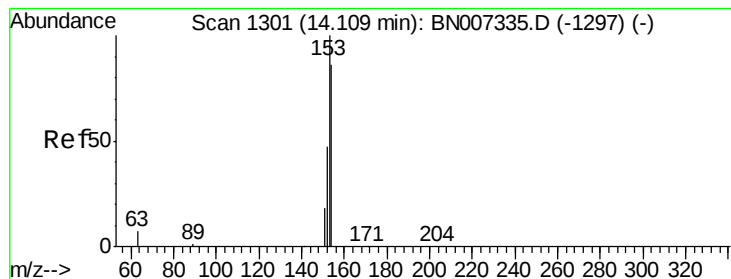


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.352 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

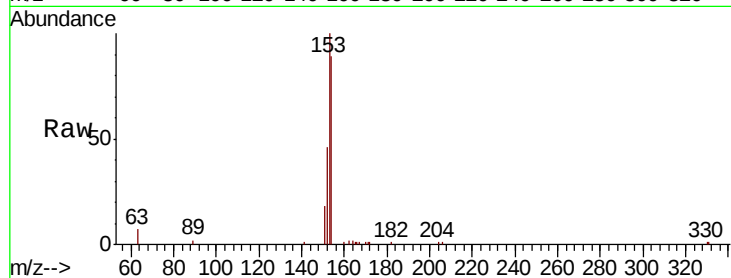
Tot Ion:154 Resp: 13290

Ion Ratio Lower Upper

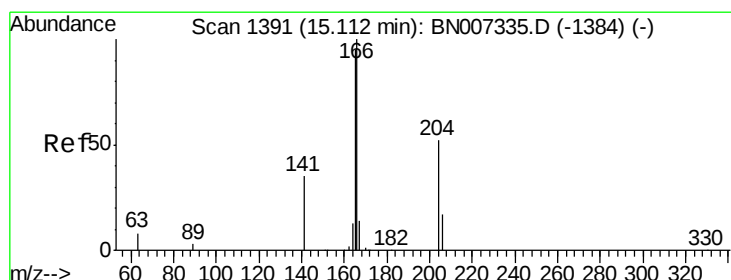
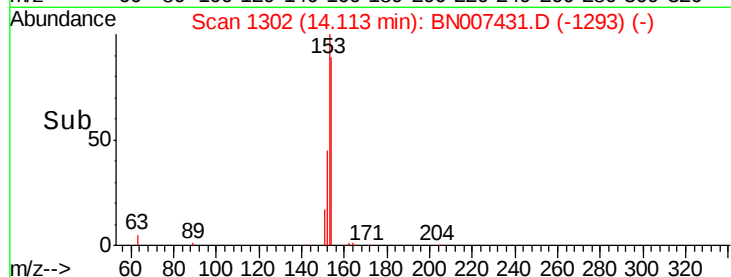
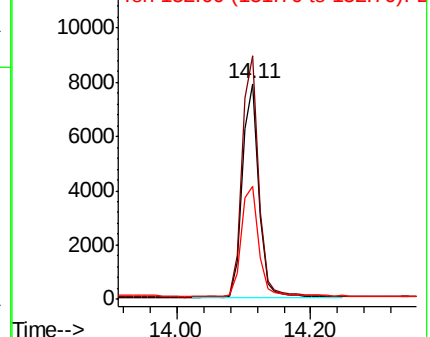
154 100

153 113.1 92.8 139.2

152 53.6 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: 0.357 ng

RT: 15.10 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

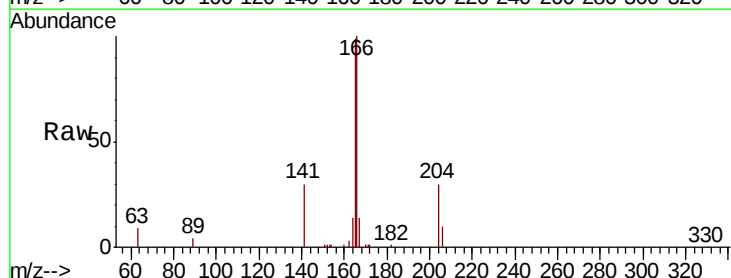
Tgt Ion:166 Resp: 17087

Ion Ratio Lower Upper

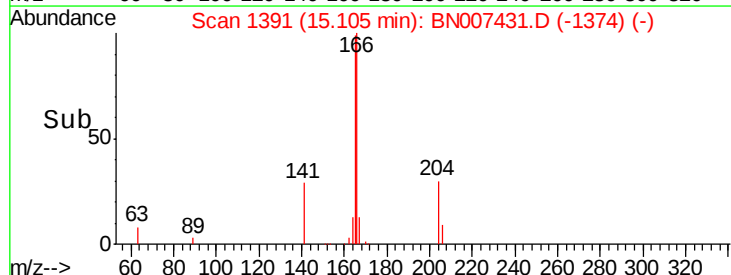
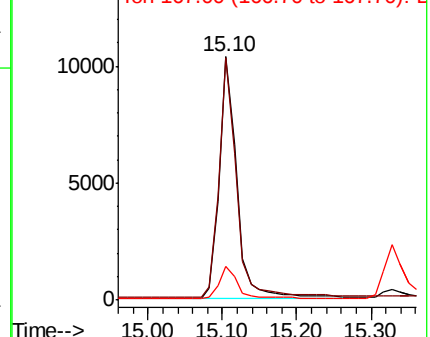
166 100

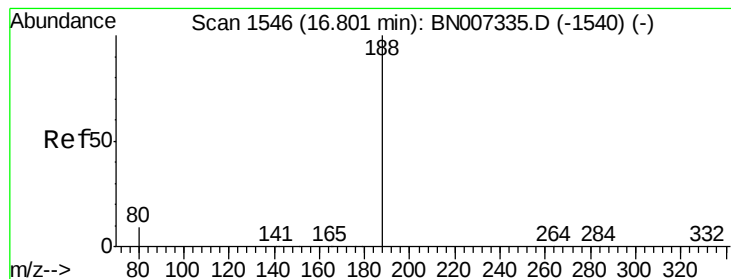
165 97.6 79.0 118.4

167 13.3 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# 1547

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

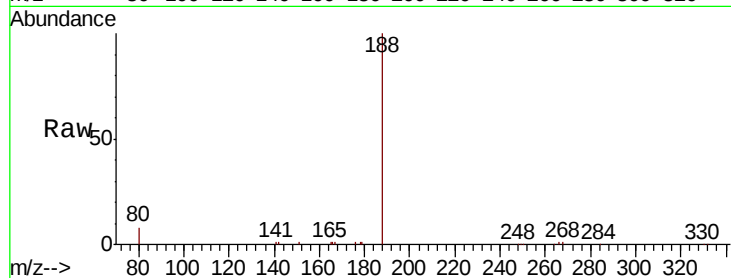
Tot Ion:188 Resp: 26449

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

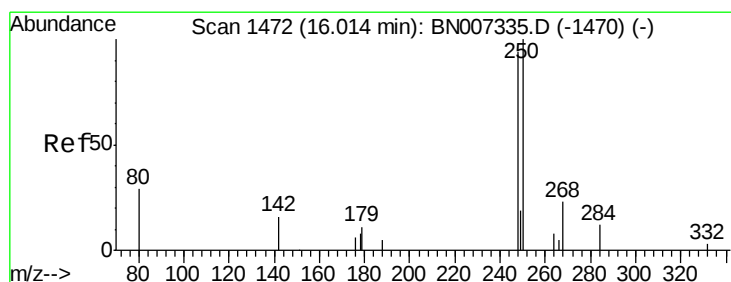
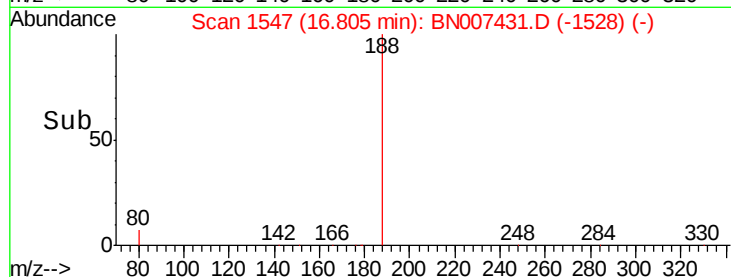
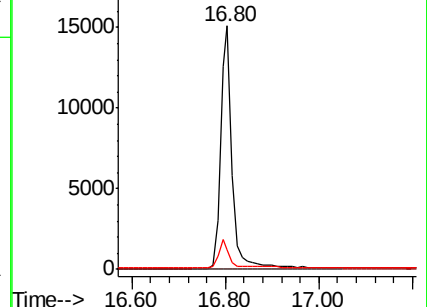
80 8.3 11.8 17.8#



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: 0.363 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

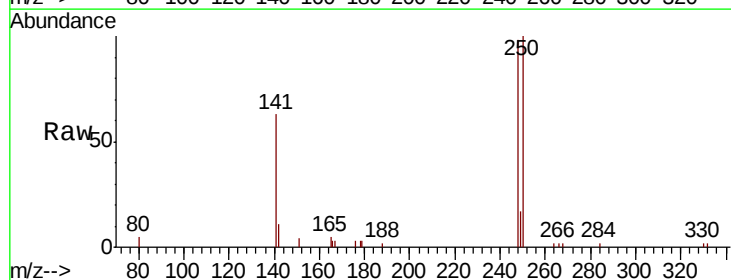
Tgt Ion:248 Resp: 3781

Ion Ratio Lower Upper

248 100

250 101.7 85.0 127.6

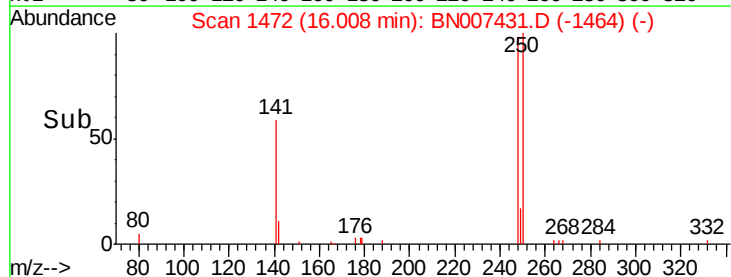
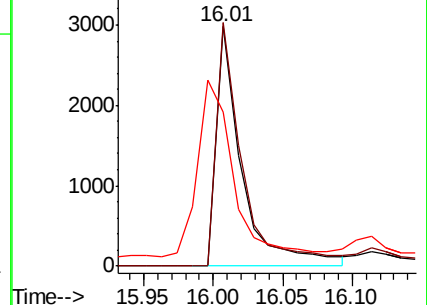
141 64.2 51.7 77.5

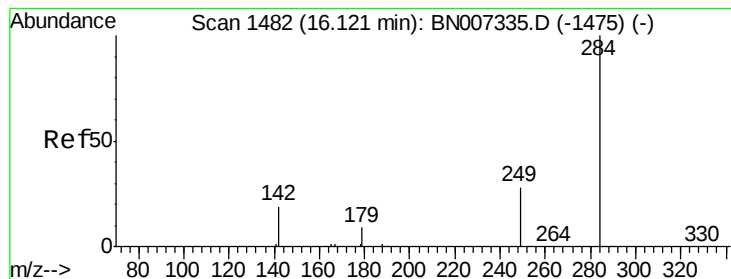


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.353 ng

RT: 16.11 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

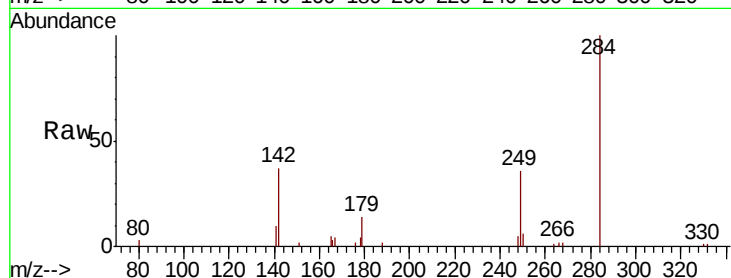
Tot Ion:284 Resp: 6261

Ion Ratio Lower Upper

284 100

142 31.9 29.0 43.6

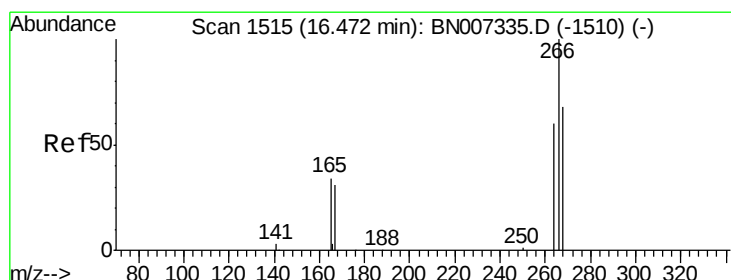
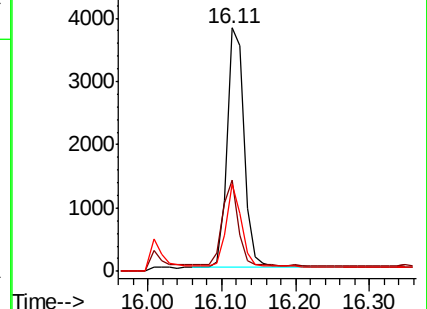
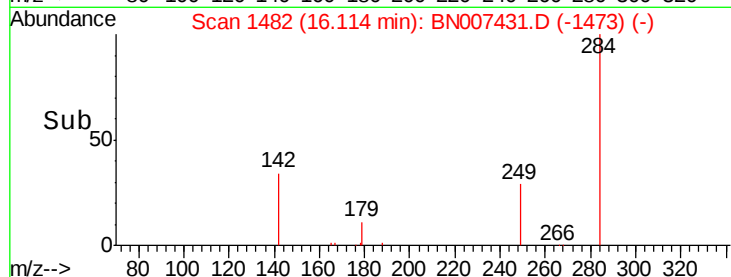
249 30.8 24.9 37.3



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: 0.720 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

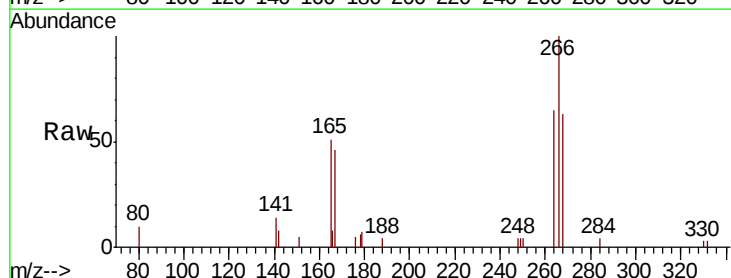
Tgt Ion:266 Resp: 3964

Ion Ratio Lower Upper

266 100

264 64.9 57.8 86.8

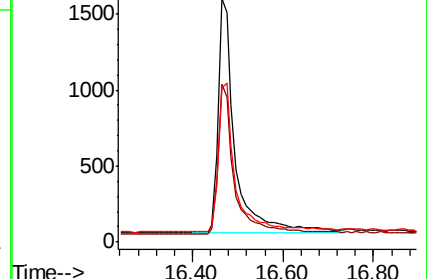
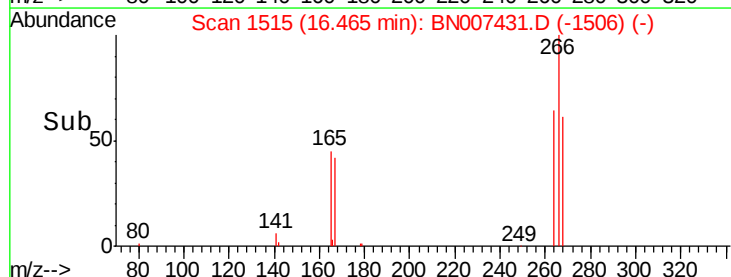
268 63.5 99.7 149.5#



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: 0.354 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

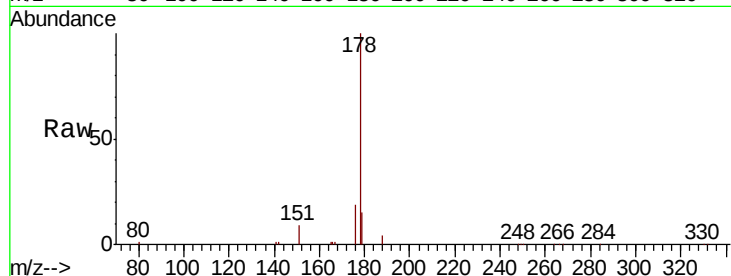
Tot Ion:178 Resp: 28174

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

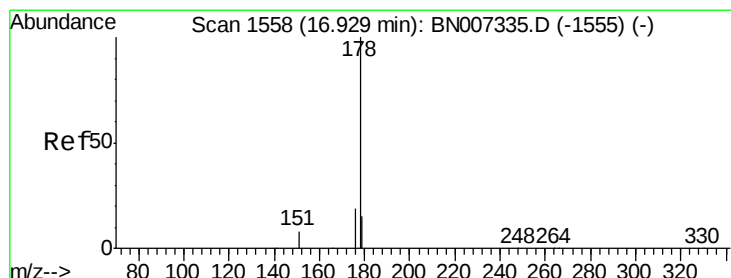
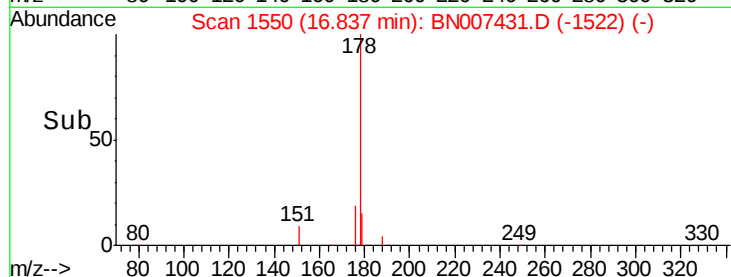
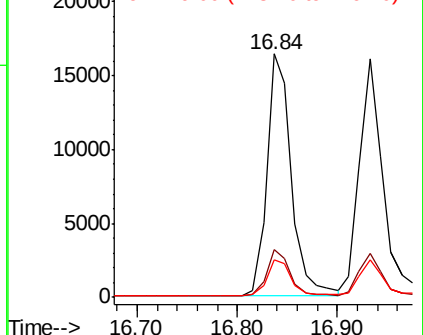
179 15.2 12.6 19.0



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: 0.328 ng

RT: 16.93 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

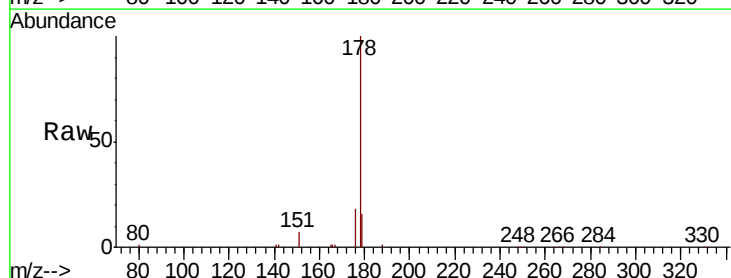
Tgt Ion:178 Resp: 26248

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

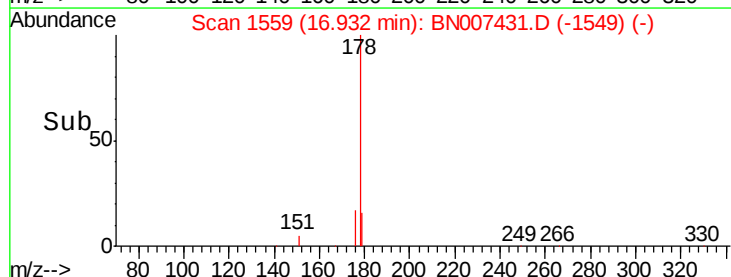
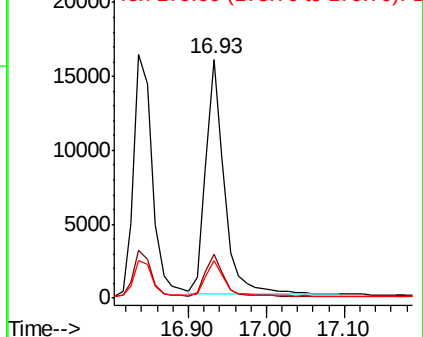
179 15.4 12.4 18.6



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: 0.357 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

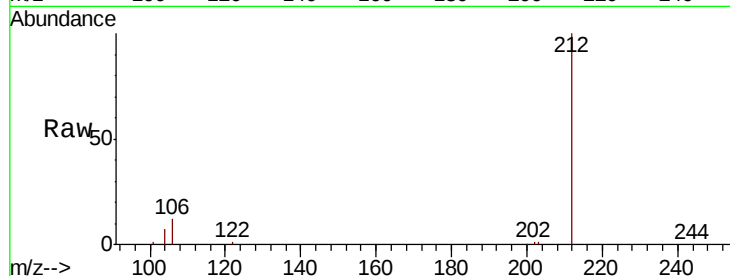
Tot Ion:212 Resp: 30391

Ion Ratio Lower Upper

212 100

106 12.1 9.0 13.4

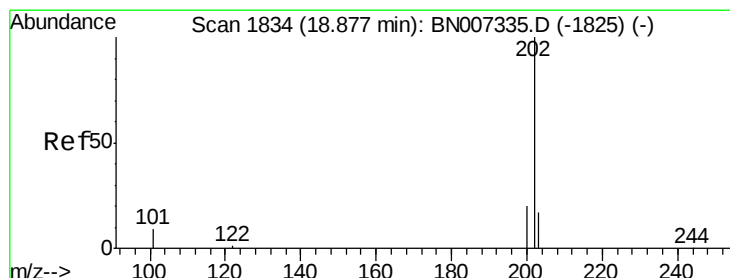
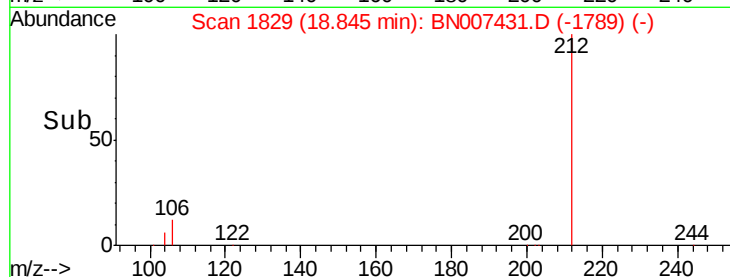
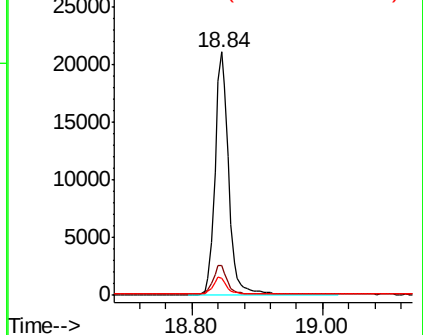
104 6.7 5.4 8.2



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: 0.360 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

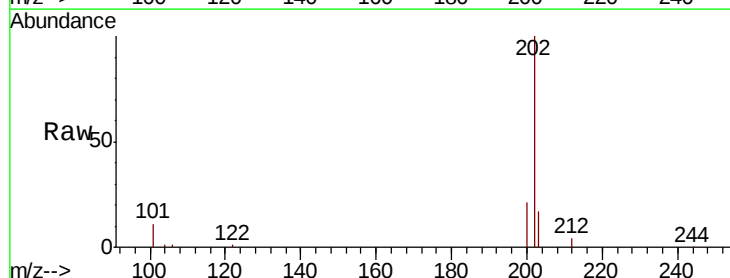
Tgt Ion:202 Resp: 36794

Ion Ratio Lower Upper

202 100

101 10.1 7.7 11.5

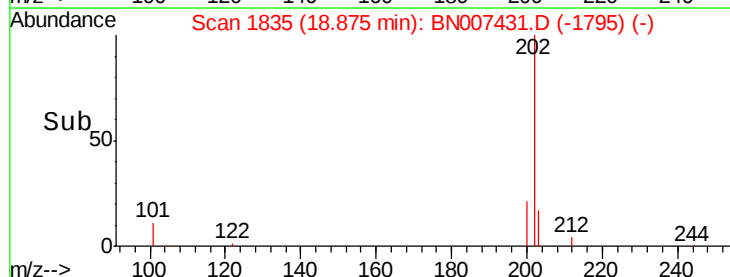
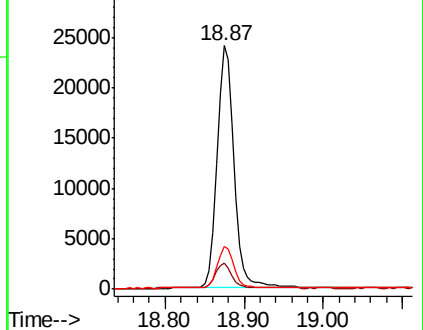
203 16.9 13.7 20.5



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

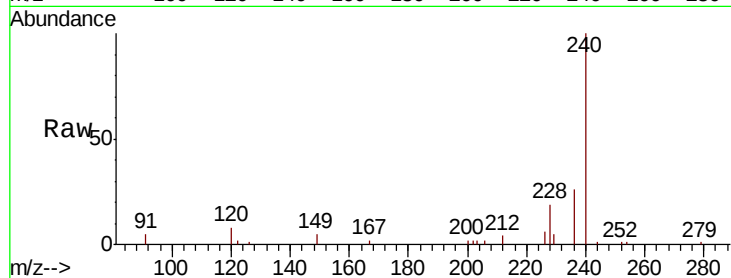




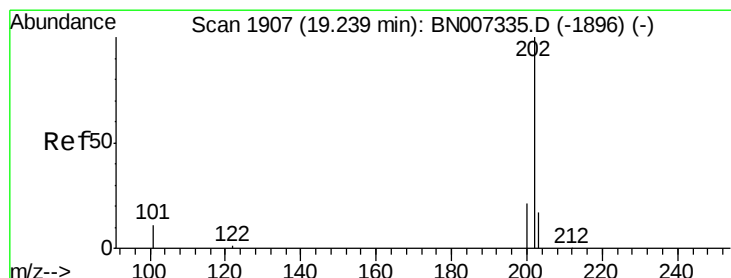
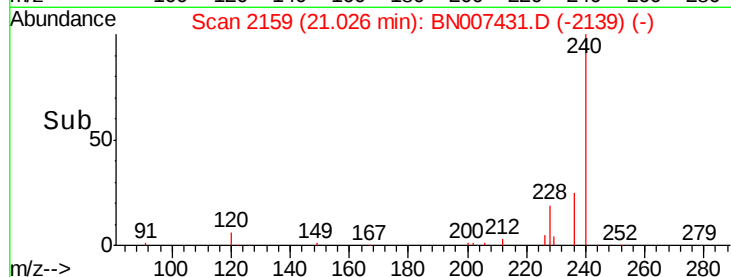
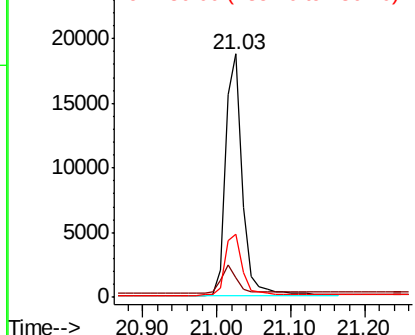
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. 0.01 min
Lab File: BN007431.D
Acq: 27 Aug 2019 12:00

Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 30087
Ion Ratio Lower Upper
240 100
120 7.8 9.6 14.4#
236 26.1 22.2 33.2

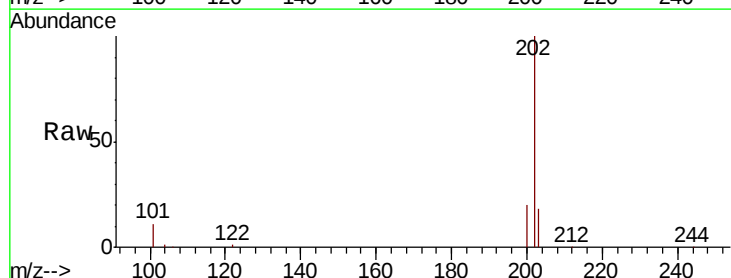


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

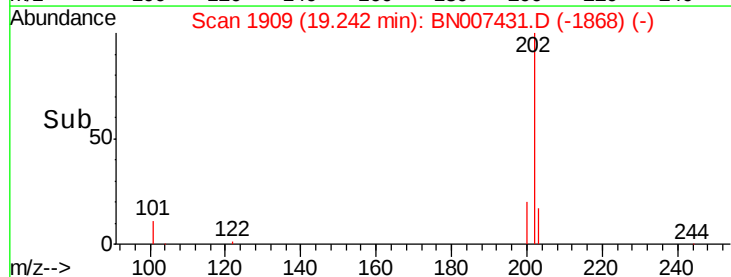
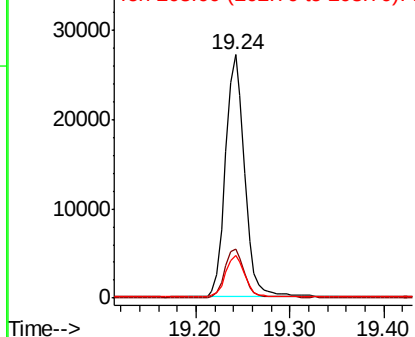


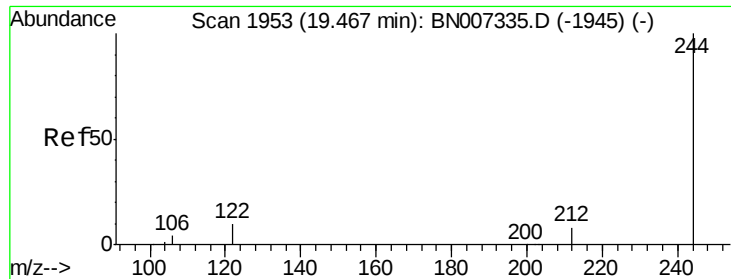
#28
Pyrene
Concen: 0.319 ng
RT: 19.24 min Scan# 1909
Delta R.T. 0.00 min
Lab File: BN007431.D
Acq: 27 Aug 2019 12:00

Tgt Ion:202 Resp: 38565
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 17.6 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: 0.285 ng

RT: 19.47 min Scan# 1954

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampled :

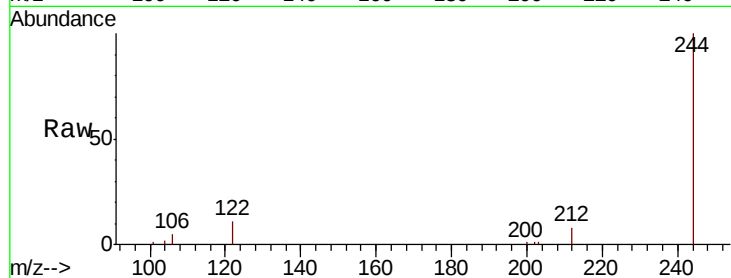
Tot Ion:244 Resp: 22401

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.6

122 11.5 9.6 14.4

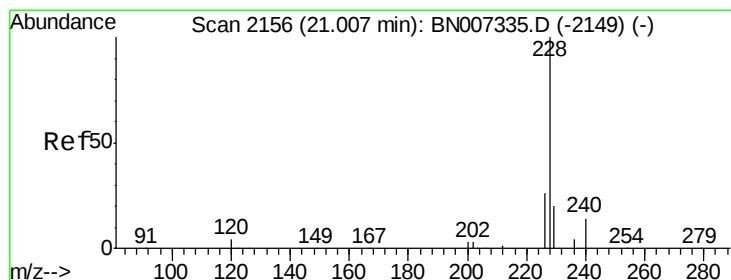
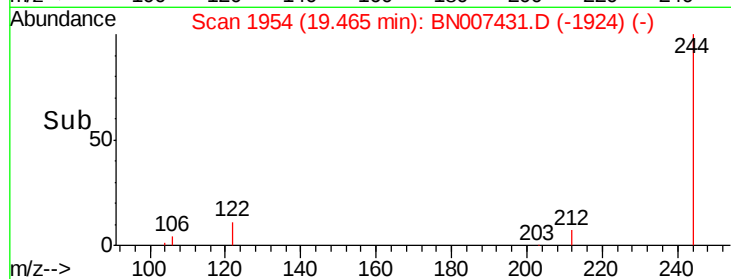
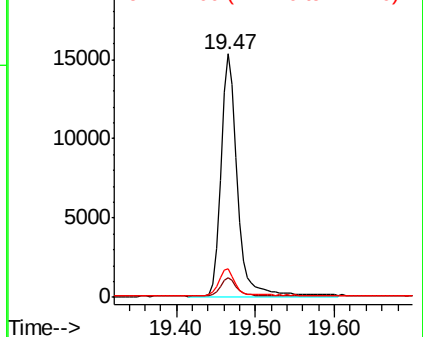


Abundance

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: 0.305 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

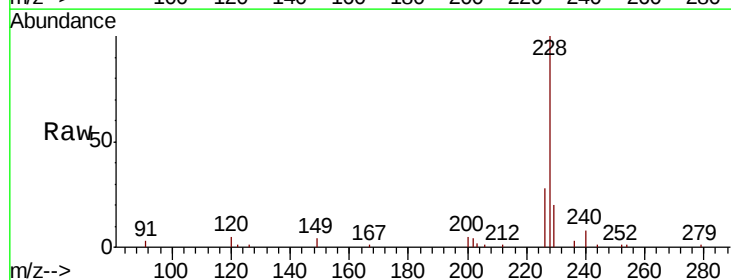
Tgt Ion:228 Resp: 36009

Ion Ratio Lower Upper

228 100

226 27.6 21.3 31.9

229 19.7 16.1 24.1

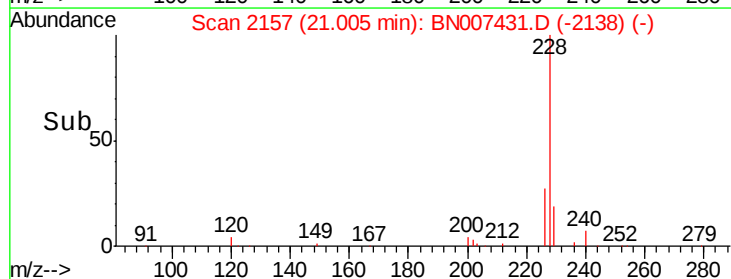
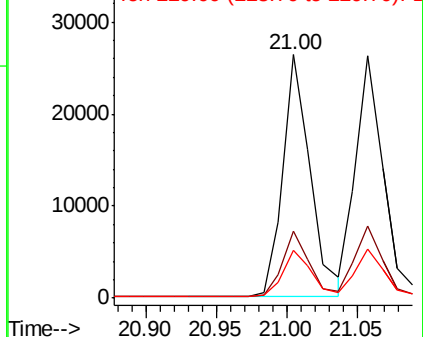


Abundance

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: 0.314 ng

RT: 21.06 min Scan# 2162

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

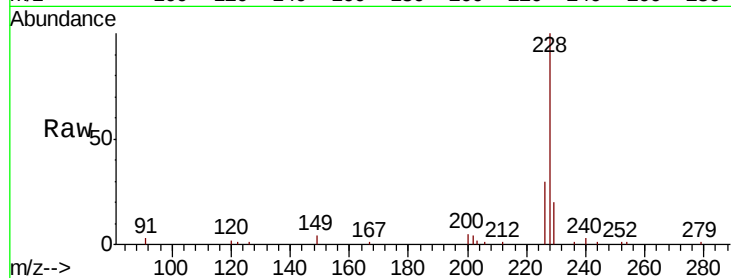
Tot Ion:228 Resp: 35812

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

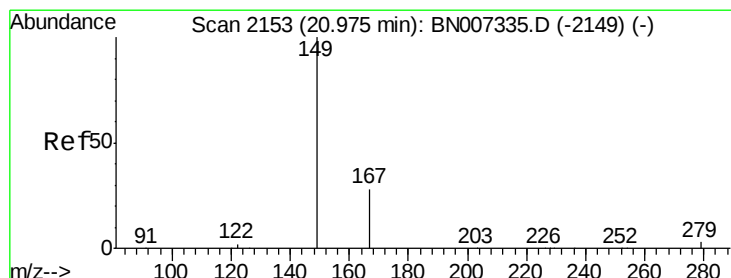
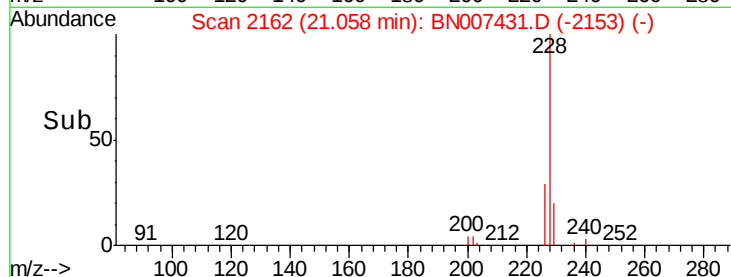
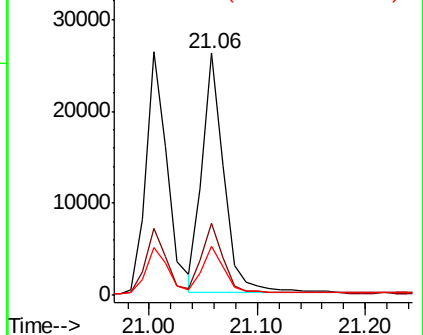
229 20.3 16.6 24.8



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: 0.295 ng

RT: 20.97 min Scan# 2154

Delta R.T. -0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

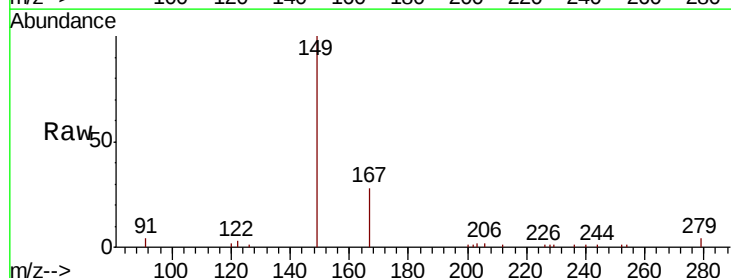
Tgt Ion:149 Resp: 24017

Ion Ratio Lower Upper

149 100

167 27.6 22.8 34.2

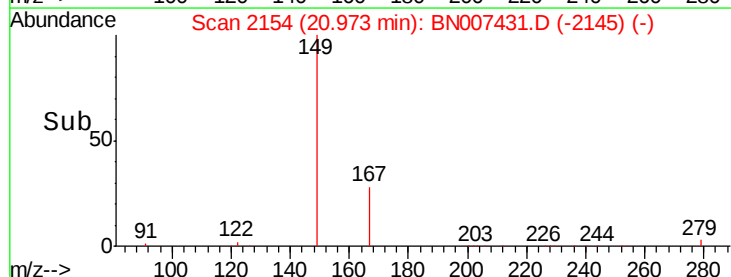
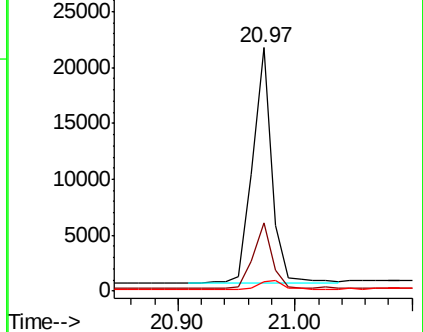
279 4.5 3.5 5.3

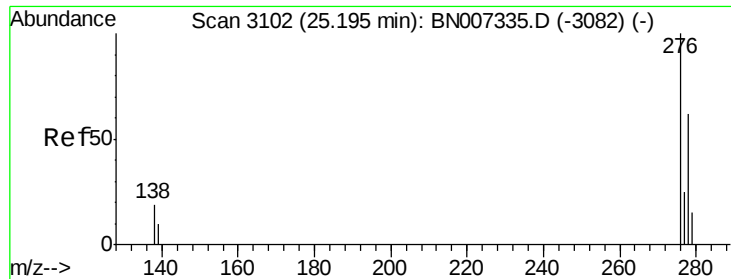


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

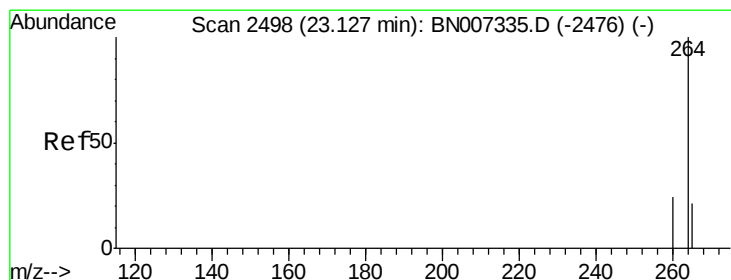
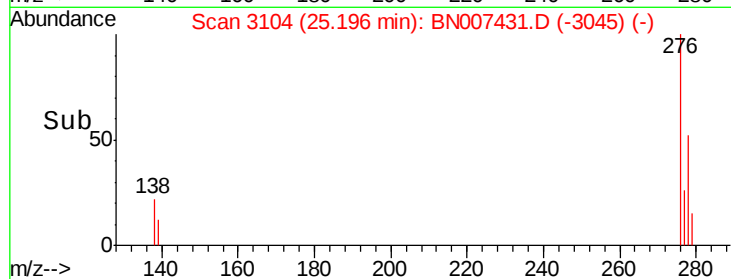
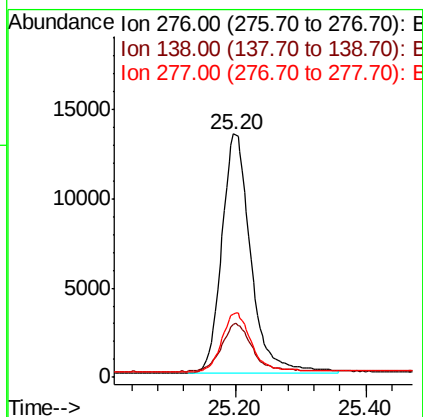
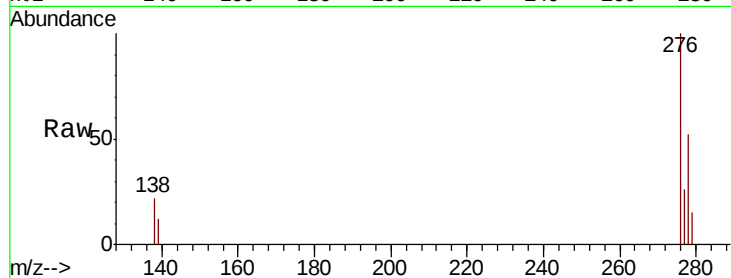




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.303 ng
 RT: 25.20 min Scan# 3104
 Delta R.T. 0.00 min
 Lab File: BN007431.D
 Acq: 27 Aug 2019 12:00

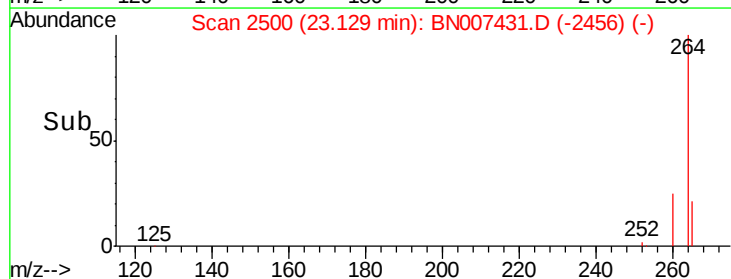
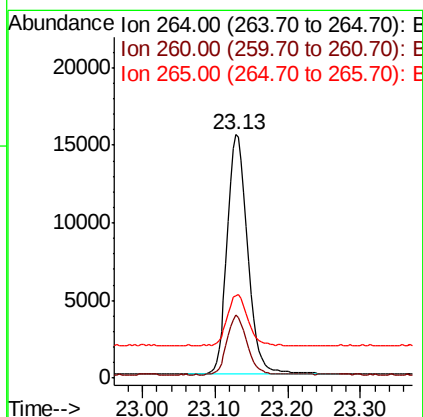
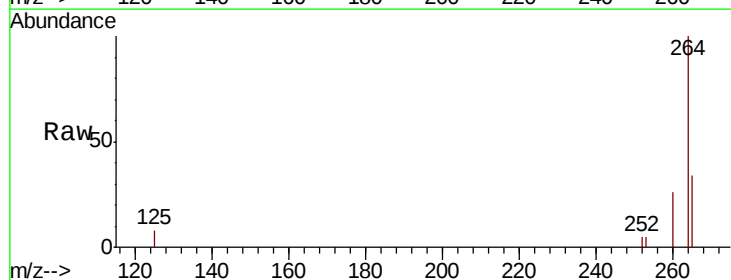
Instrument :
 BNA_N
 ClientSampleId :

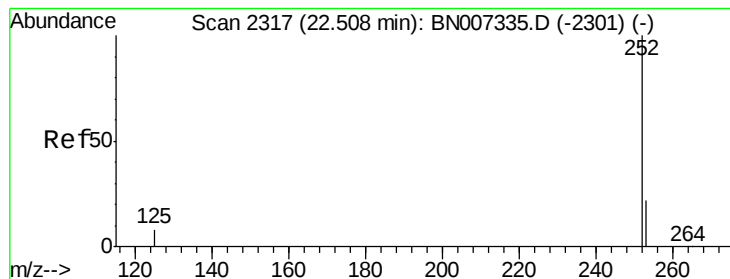
Tot Ion:276 Resp: 41690
 Ion Ratio Lower Upper
 276 100
 138 20.8 15.1 22.7
 277 24.8 19.7 29.5



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: BN007431.D
 Acq: 27 Aug 2019 12:00

Tgt Ion:264 Resp: 30174
 Ion Ratio Lower Upper
 264 100
 260 25.7 19.7 29.5
 265 34.0 29.9 44.9





#35

Benzo(b)fluoranthene

Concen: 0.323 ng

RT: 22.51 min Scan# 2319

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

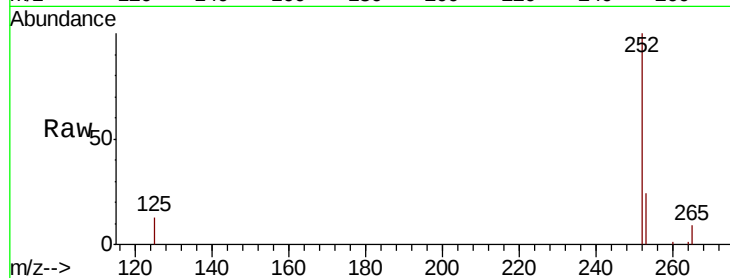
Tot Ion:252 Resp: 35359

Ion Ratio Lower Upper

252 100

253 24.3 19.2 28.8

125 13.0 10.6 16.0

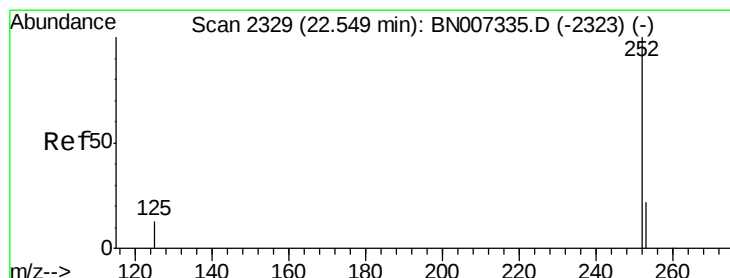
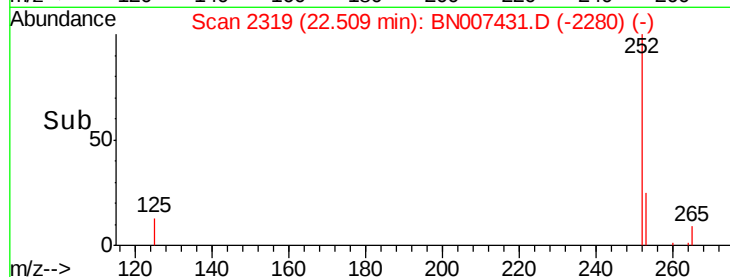
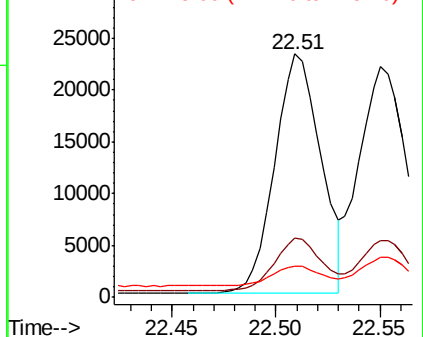


Abundance

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: 0.342 ng

RT: 22.55 min Scan# 2331

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

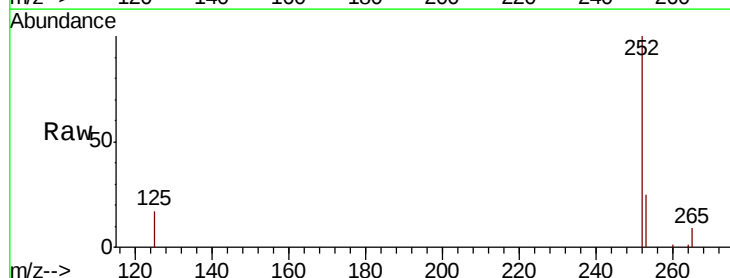
Tgt Ion:252 Resp: 36989

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.2

125 17.3 13.1 19.7

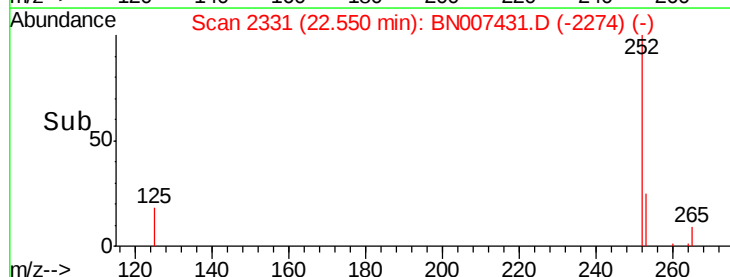
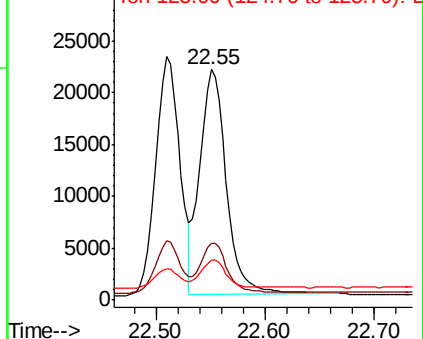


Abundance

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: 0.332 ng

RT: 23.04 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :

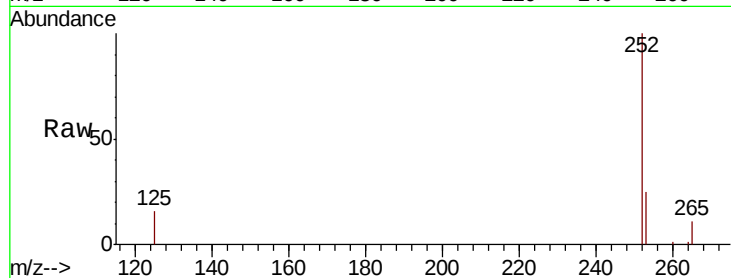
Tot Ion:252 Resp: 34532

Ion Ratio Lower Upper

252 100

253 25.0 19.5 29.3

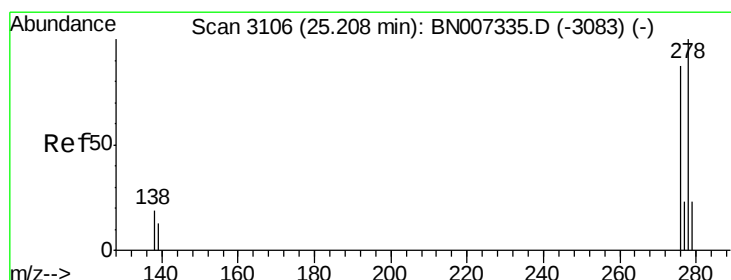
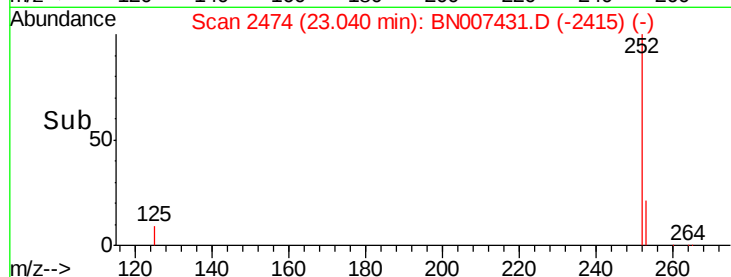
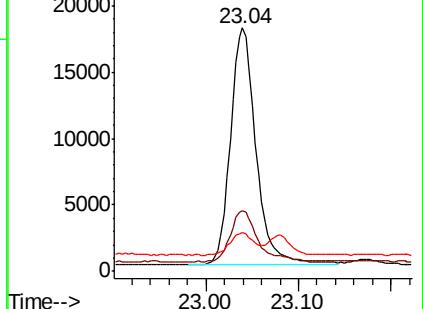
125 15.7 12.1 18.1



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: 0.323 ng

RT: 25.22 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

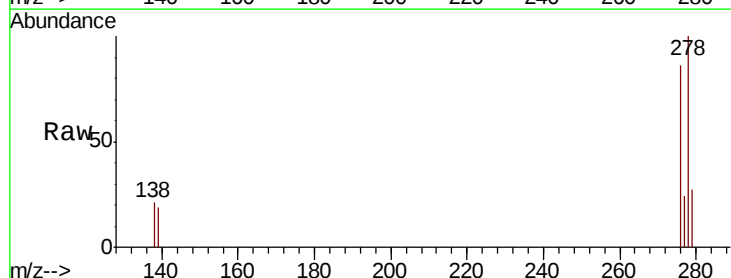
Tgt Ion:278 Resp: 33496

Ion Ratio Lower Upper

278 100

139 18.6 13.7 20.5

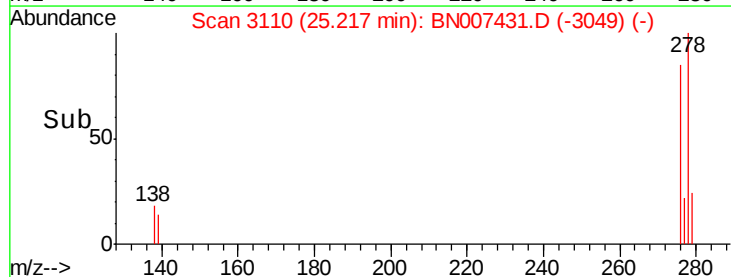
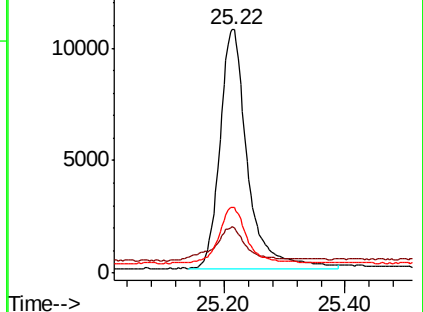
279 27.1 20.2 30.4



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: 0.335 ng

RT: 25.82 min Scan# 3287

Delta R.T. 0.00 min

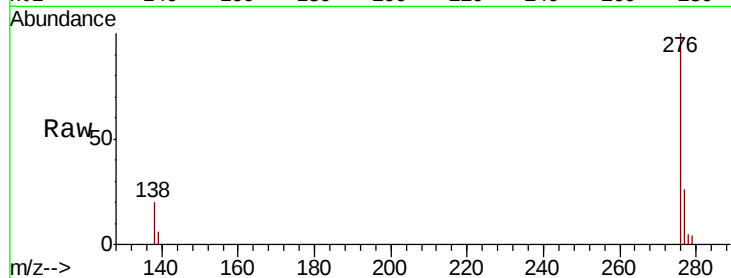
Lab File: BN007431.D

Acq: 27 Aug 2019 12:00

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 34600

Ion Ratio Lower Upper

276 100

277 26.1 19.6 29.4

138 20.5 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

