

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
 Data File : BN007547.D
 Acq On : 06 Sep 2019 18:23
 Operator : HP/JU
 Sample : PB122825BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 07 00:02:33 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	5518	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	22190	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	11793	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	26930	0.40	ng	0.00
27) Chrysene-d12	21.02	240	26781	0.40	ng	0.00
34) Perylene-d12	23.12	264	28691	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.02	112	6651	0.34	ng	-0.02
5) Phenol-d6	6.58	99	7819	0.31	ng	0.00
8) Nitrobenzene-d5	8.53	82	6850	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	13675	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.54	330	1818	0.29	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	19147	0.40	ng	0.00
25) Fluoranthene-d10	18.83	212	31029	0.36	ng	-0.01
29) Terphenyl-d14	19.46	244	25614	0.37	ng	-0.01

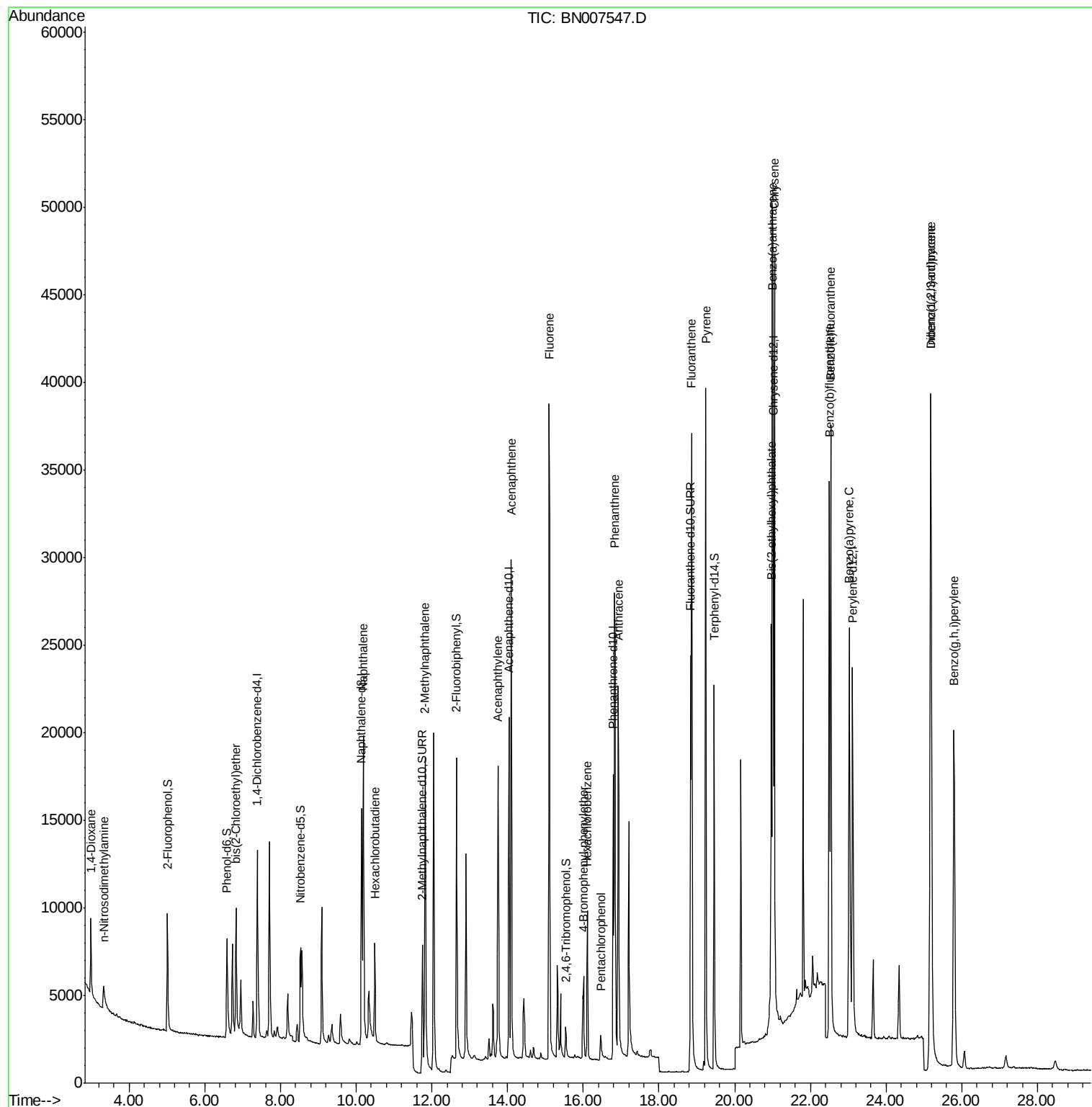
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.99	88	4032	0.440	ng	# 81
3) n-Nitrosodimethylamine	3.32	42	1289	0.303	ng	78
6) bis(2-Chloroethyl)ether	6.83	93	7434	0.373	ng	99
9) Naphthalene	10.19	128	25259	0.398	ng	# 90
10) Hexachlorobutadiene	10.49	225	4658	0.359	ng	# 99
12) 2-Methylnaphthalene	11.82	142	16494	0.382	ng	95
16) Acenaphthylene	13.75	152	23149	0.332	ng	99
17) Acenaphthene	14.10	154	16087	0.394	ng	97
18) Fluorene	15.09	166	20094	0.389	ng	99
20) 4-Bromophenyl-phenylether	16.01	248	2012	0.189	ng	# 92
21) Hexachlorobenzene	16.10	284	7112	0.394	ng	95
22) Pentachlorophenol	16.46	266	1316	0.235	ng	# 67
23) Phenanthrene	16.83	178	32766	0.404	ng	99
24) Anthracene	16.92	178	27601	0.339	ng	99
26) Fluoranthene	18.86	202	38358	0.369	ng	99
28) Pyrene	19.23	202	39636	0.368	ng	99
30) Benzo(a)anthracene	20.99	228	38263	0.364	ng	99
31) Chrysene	21.05	228	39220	0.386	ng	99
32) Bis(2-ethylhexyl)phthalate	20.96	149	18389	0.251	ng	99
33) Indeno(1,2,3-cd)pyrene	25.18	276	48007	0.393	ng	# 95
35) Benzo(b)fluoranthene	22.50	252	37860	0.364	ng	97
36) Benzo(k)fluoranthene	22.54	252	45163	0.440	ng	# 95
37) Benzo(a)pyrene	23.03	252	36867	0.373	ng	97
38) Dibenzo(a,h)anthracene	25.18	278	38437	0.389	ng	99
39) Benzo(g,h,i)perylene	25.80	276	39015	0.397	ng	99

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

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Instrument :
BNA_N
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QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.39 min Scan# 566

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

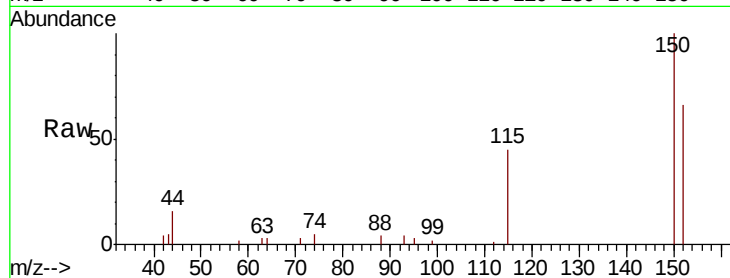
Tot Ion:152 Resp: 5518

Ion Ratio Lower Upper

152 100

150 151.7 109.1 163.7

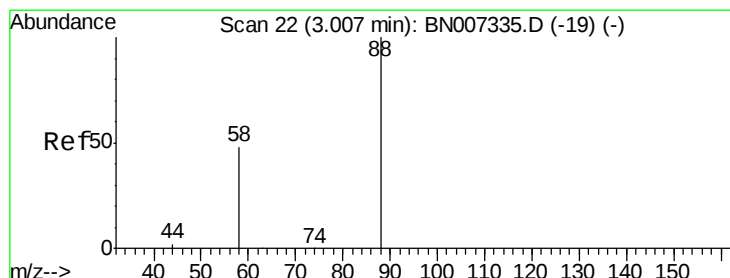
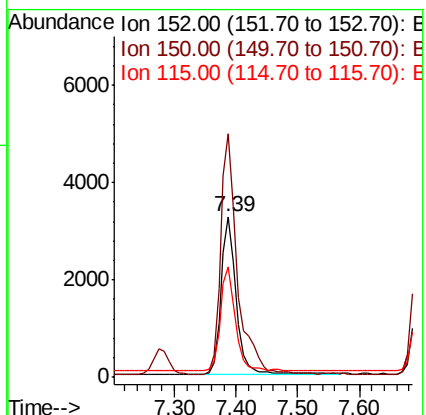
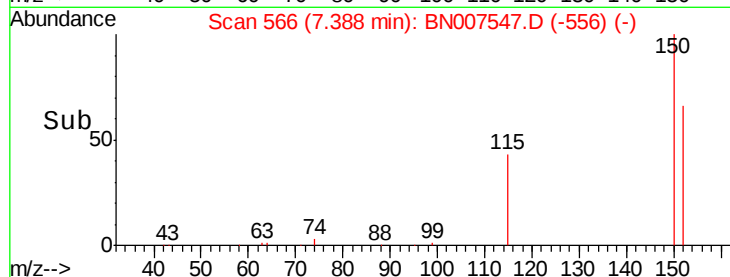
115 68.6 59.6 89.4



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: 0.440 ng

RT: 2.99 min Scan# 20

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

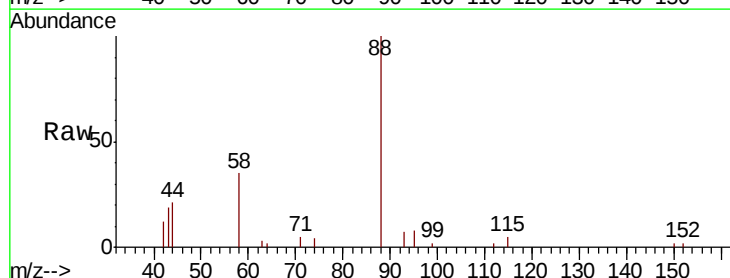
Tgt Ion: 88 Resp: 4032

Ion Ratio Lower Upper

88 100

58 48.4 50.5 75.7#

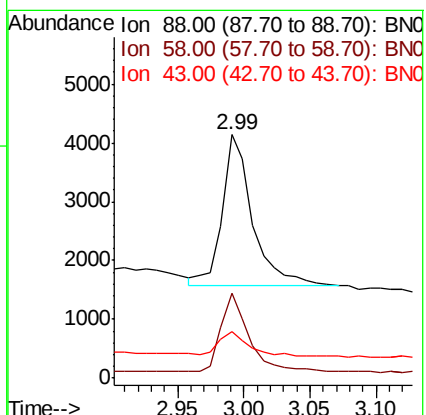
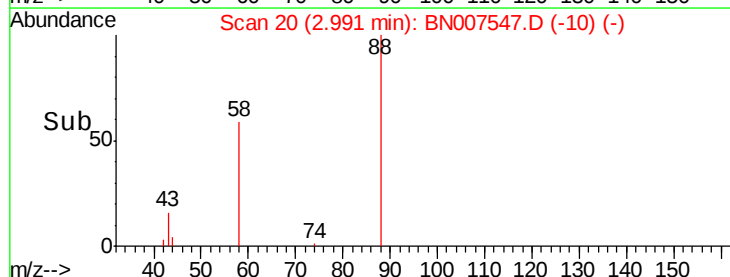
43 15.7 0.0 0.0#

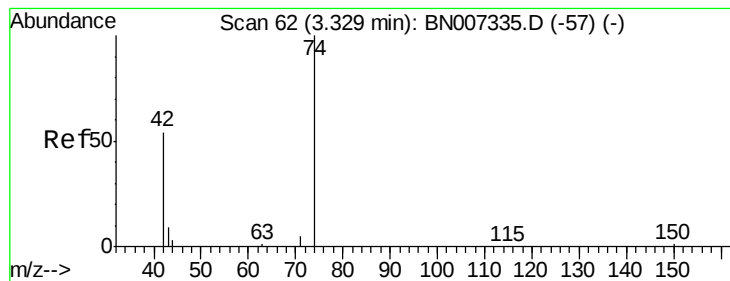


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC



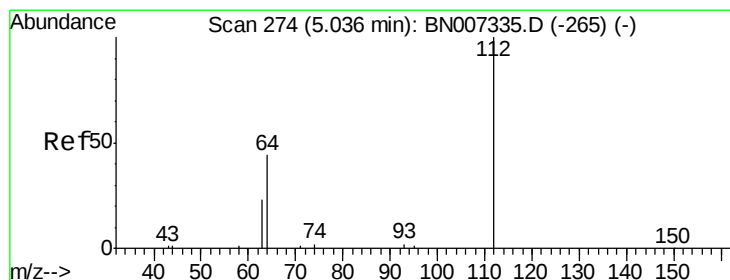
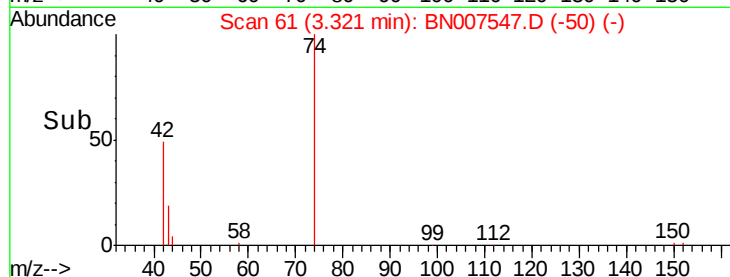
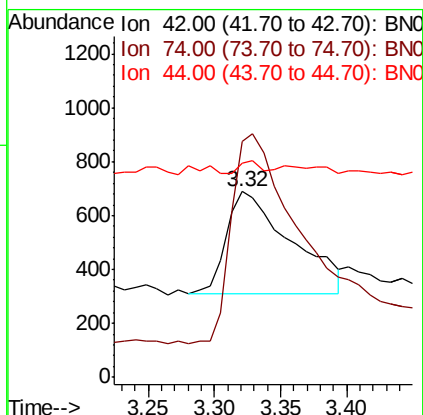
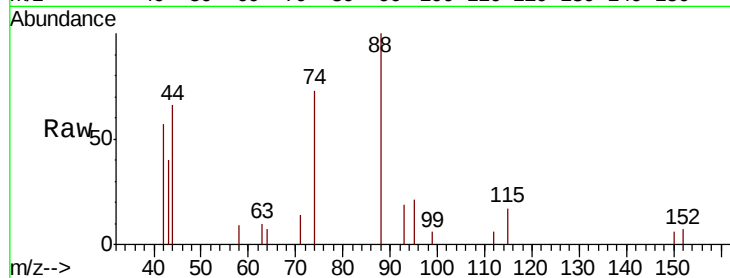


#3

n-Nitrosodimethylamine
 Concen: 0.303 ng
 RT: 3.32 min Scan# 61
 Delta R.T. -0.01 min
 Lab File: BN007547.D
 Acq: 06 Sep 2019 18:23

Instrument :
 BNA_N
 ClientSampleId :

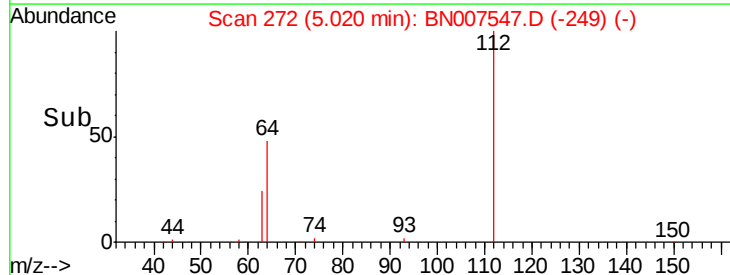
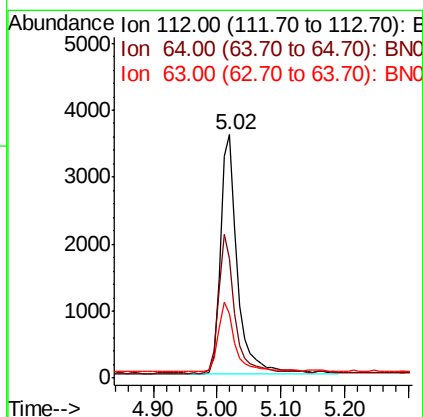
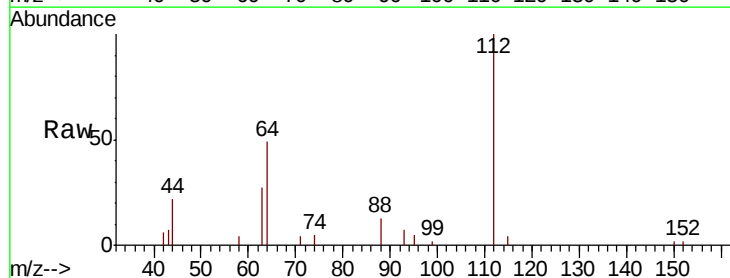
Tot Ion: 42 Resp: 1289
 Ion Ratio Lower Upper
 42 100
 74 213.2 144.7 217.1
 44 4.3 3.2 4.8



#4

2-Fluorophenol
 Concen: 0.343 ng
 RT: 5.02 min Scan# 272
 Delta R.T. -0.02 min
 Lab File: BN007547.D
 Acq: 06 Sep 2019 18:23

Tgt Ion: 112 Resp: 6651
 Ion Ratio Lower Upper
 112 100
 64 55.3 42.3 63.5
 63 27.4 23.6 35.4





#5

Phenol-d6

Concen: 0.315 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampled :

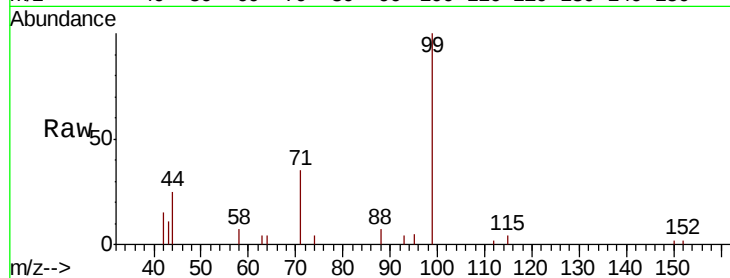
Tot Ion: 99 Resp: 7819

Ion Ratio Lower Upper

99 100

42 11.7 11.2 16.8

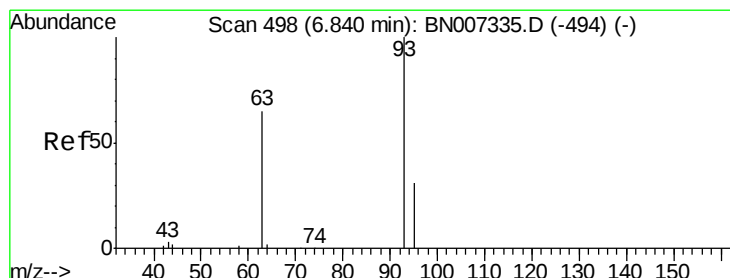
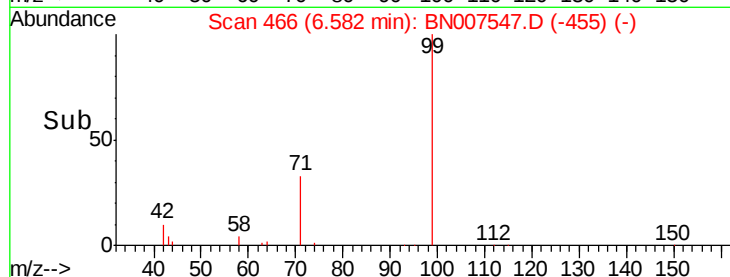
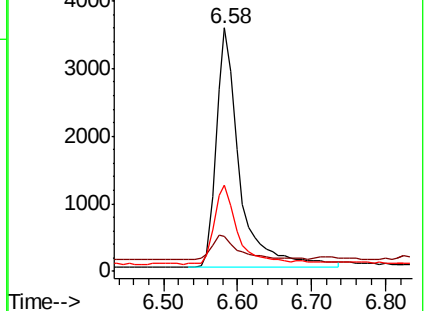
71 33.2 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007547.D (-466) (-)

Ion 42.00 (41.70 to 42.70): BN007547.D (-466) (-)

Ion 71.00 (70.70 to 71.70): BN007547.D (-466) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.373 ng

RT: 6.83 min Scan# 497

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

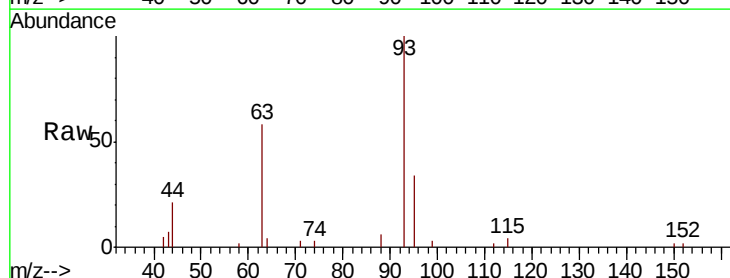
Tgt Ion: 93 Resp: 7434

Ion Ratio Lower Upper

93 100

63 64.5 51.9 77.9

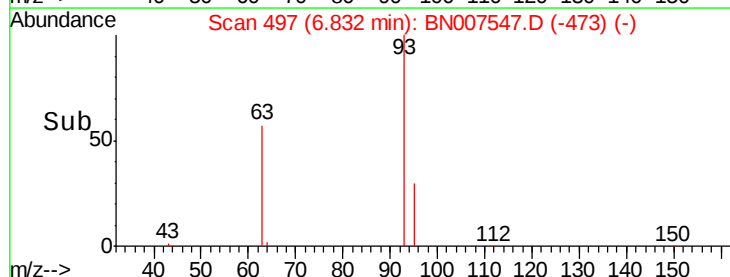
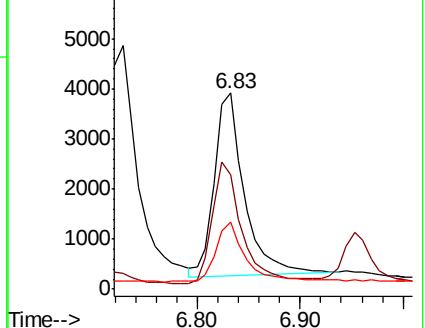
95 34.2 27.7 41.5



Abundance Ion 93.00 (92.70 to 93.70): BN007547.D (-497) (-)

Ion 63.00 (62.70 to 63.70): BN007547.D (-497) (-)

Ion 95.00 (94.70 to 95.70): BN007547.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 22190

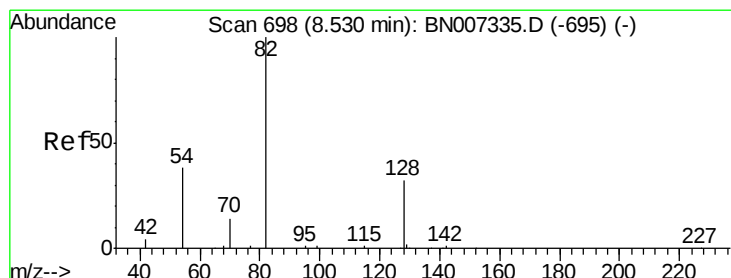
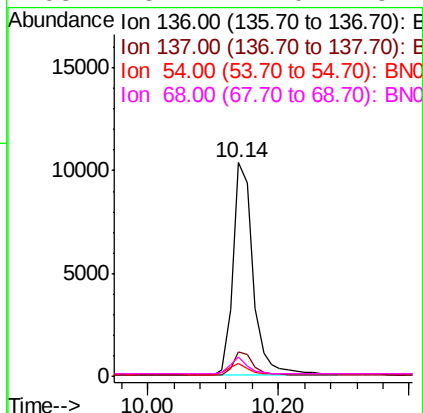
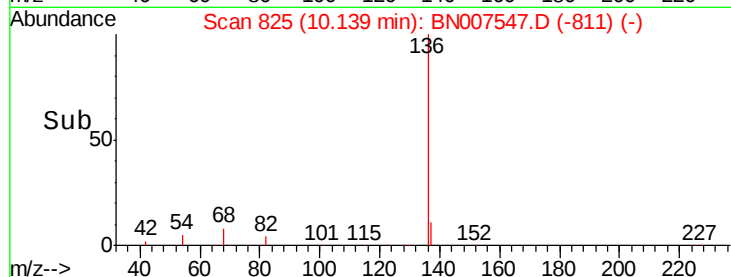
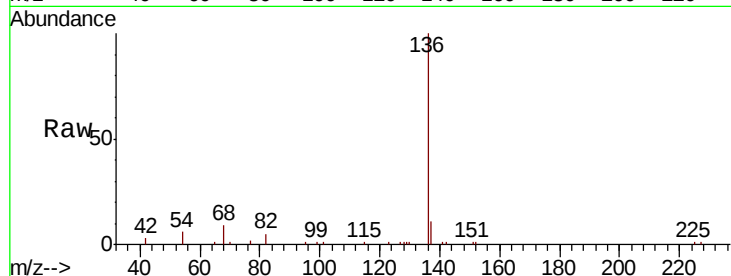
Ion Ratio Lower Upper

136 100

137 11.1 12.9 19.3#

54 6.2 8.6 12.8#

68 8.7 17.0 25.4#



#8

Nitrobenzene-d5

Concen: 0.355 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

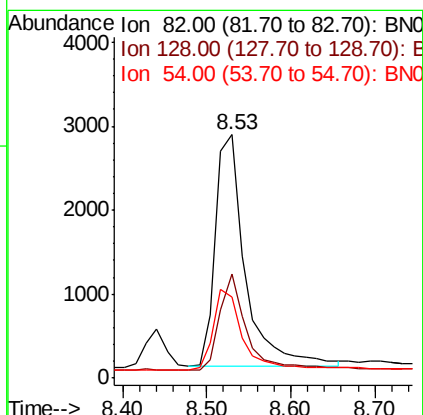
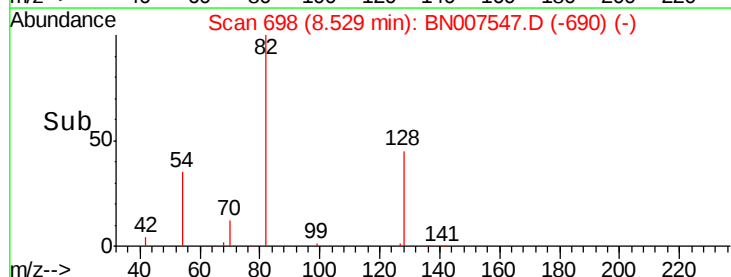
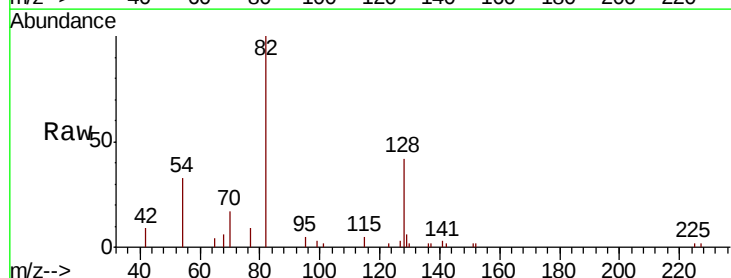
Tgt Ion: 82 Resp: 6850

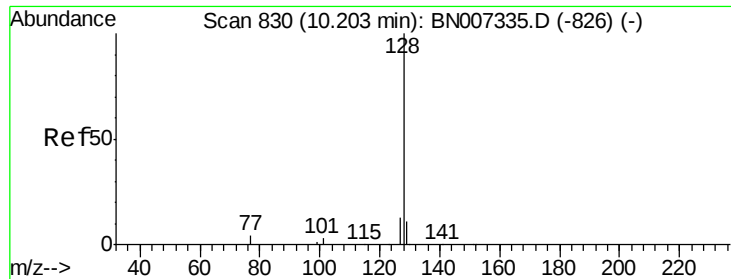
Ion Ratio Lower Upper

82 100

128 42.5 19.7 29.5#

54 33.2 25.8 38.6





#9

Naphthalene

Concen: 0.398 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

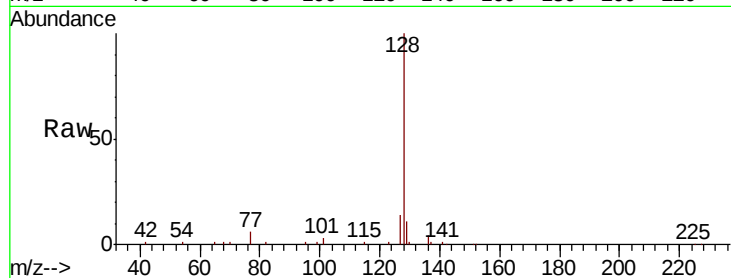
Tot Ion:128 Resp: 25259

Ion Ratio Lower Upper

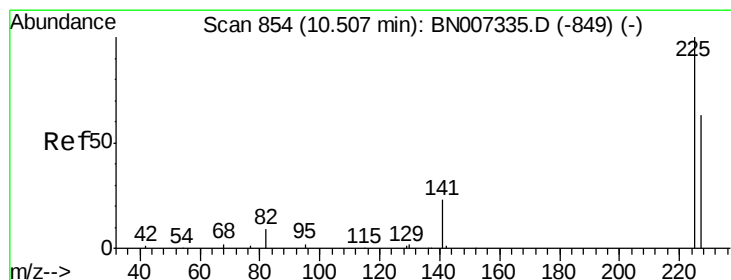
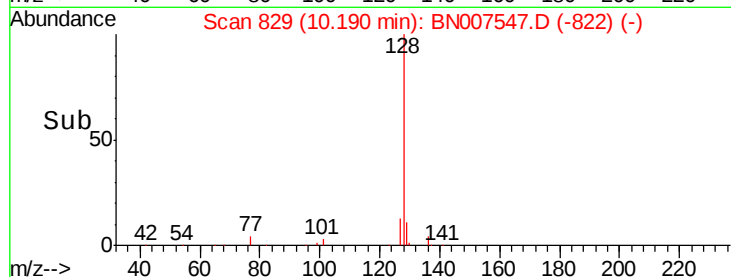
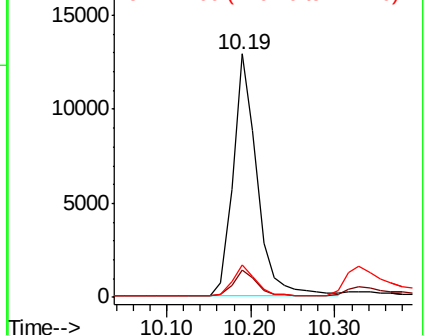
128 100

129 11.5 11.1 16.7

127 13.5 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: 0.359 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

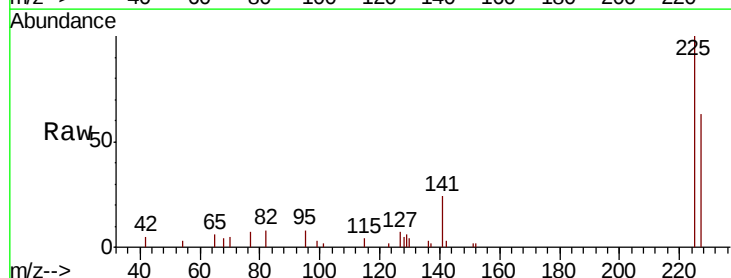
Tgt Ion:225 Resp: 4658

Ion Ratio Lower Upper

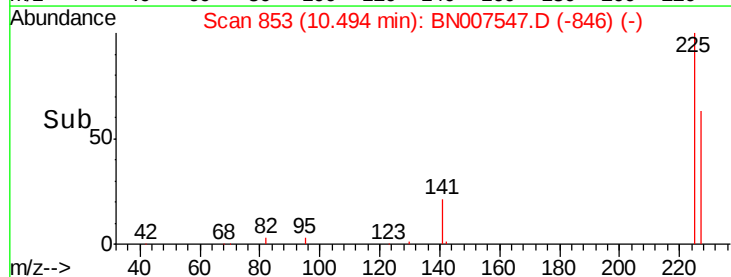
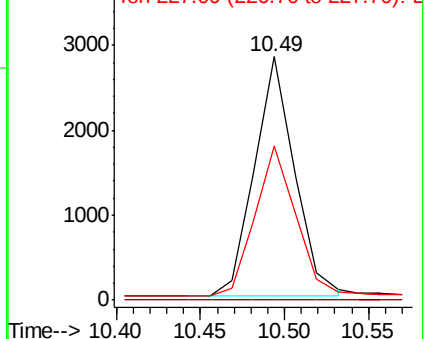
225 100

223 0.0 0.0 0.0

227 64.1 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

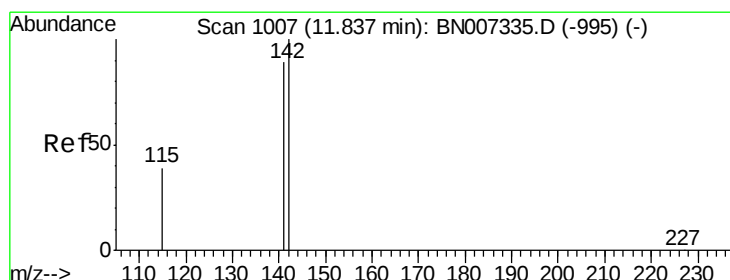
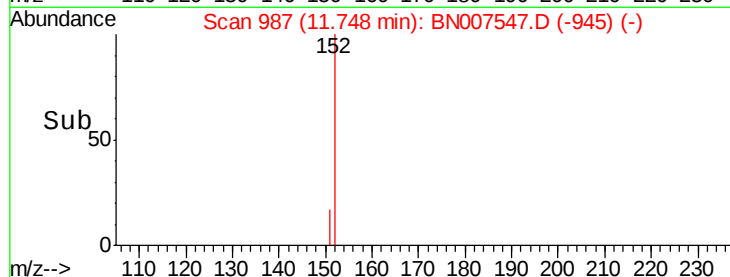
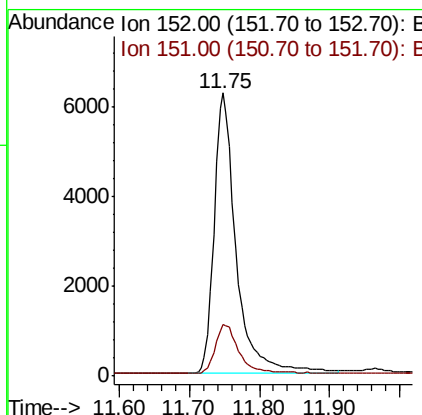
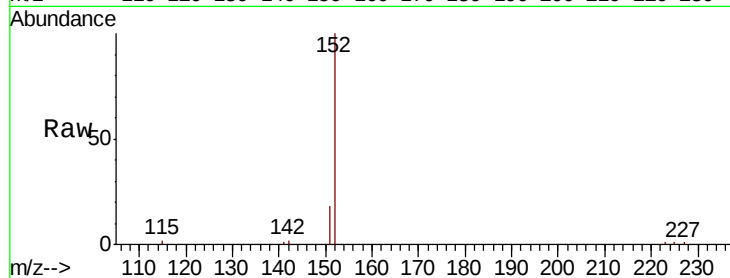




#11
 2-Methylnaphthalene-d10
 Concen: 0.371 ng
 RT: 11.75 min Scan# 987
 Delta R.T. -0.01 min
 Lab File: BN007547.D
 Acq: 06 Sep 2019 18:23

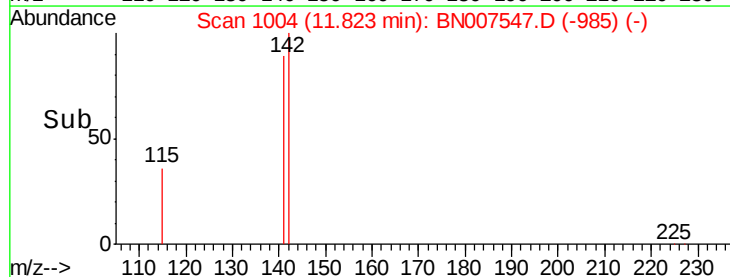
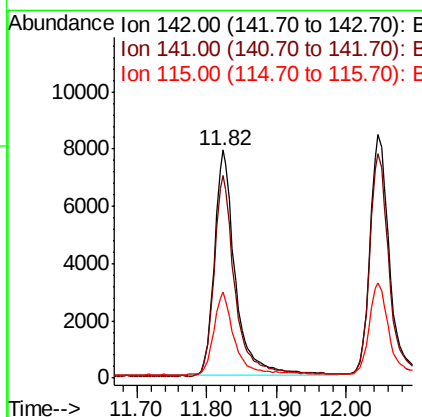
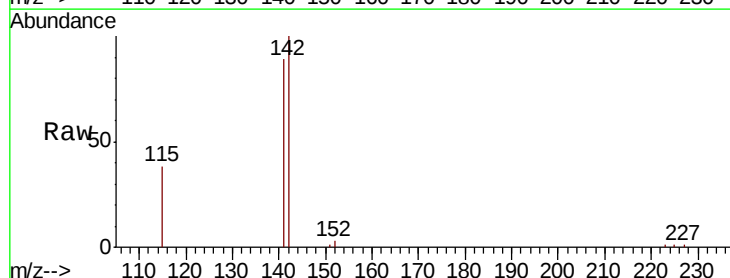
Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:152 Resp: 13675
 Ion Ratio Lower Upper
 152 100
 151 19.0 16.2 24.2



#12
 2-Methylnaphthalene
 Concen: 0.382 ng
 RT: 11.82 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BN007547.D
 Acq: 06 Sep 2019 18:23

Tgt Ion:142 Resp: 16494
 Ion Ratio Lower Upper
 142 100
 141 88.9 72.8 109.2
 115 37.7 35.2 52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

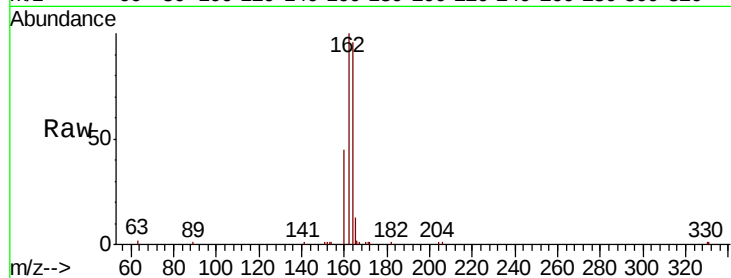
Tot Ion:164 Resp: 11793

Ion Ratio Lower Upper

164 100

162 103.9 83.5 125.3

160 47.1 38.2 57.4

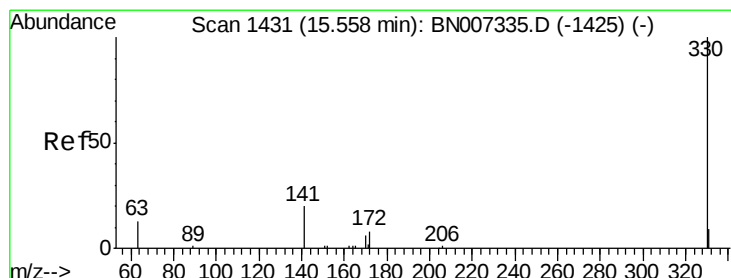
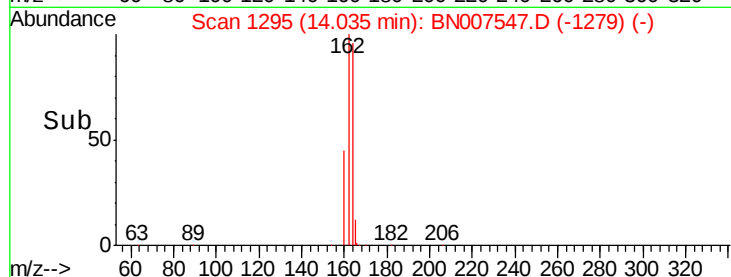
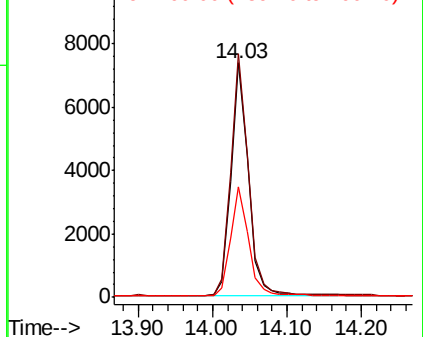


Abundance

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: 0.295 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

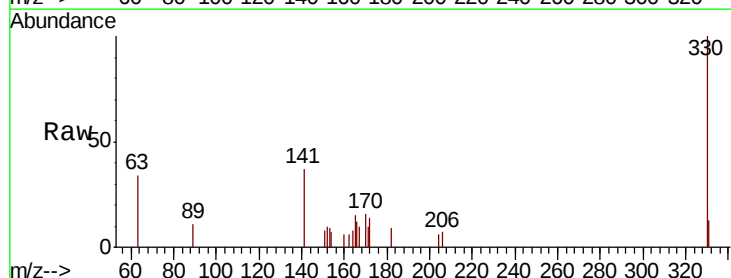
Tgt Ion:330 Resp: 1818

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 32.9 26.9 40.3

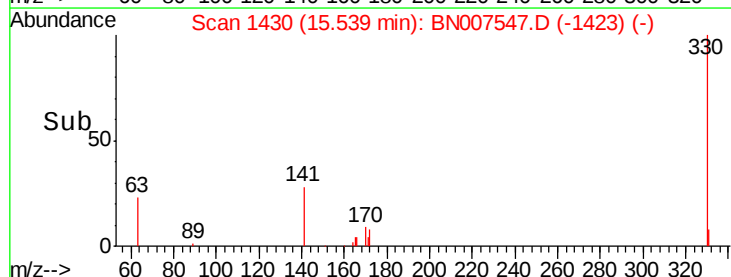
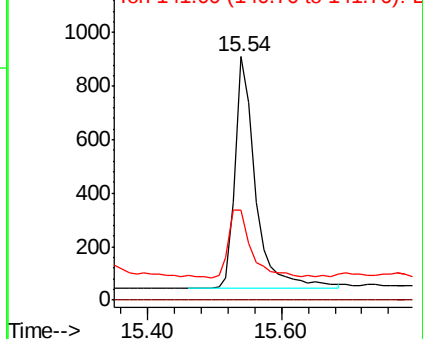


Abundance

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

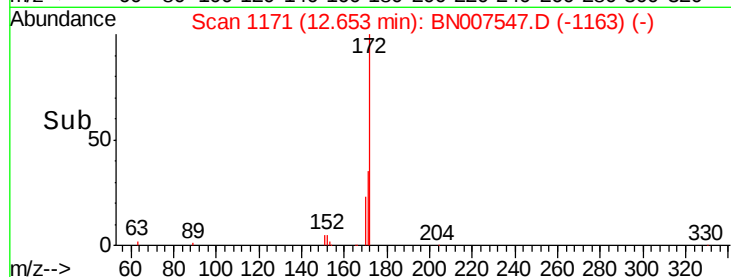
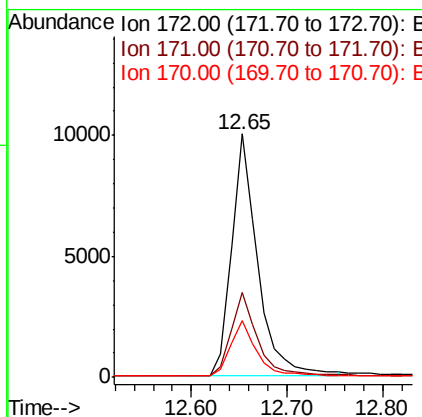
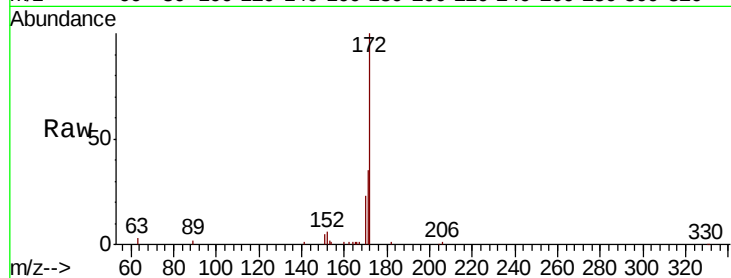




#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007547.D
Acq: 06 Sep 2019 18:23

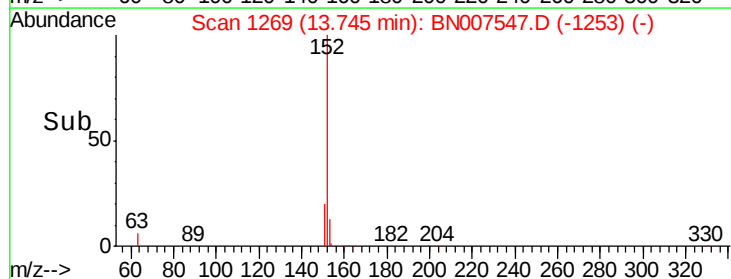
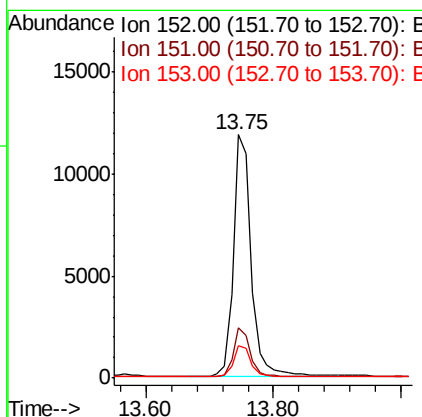
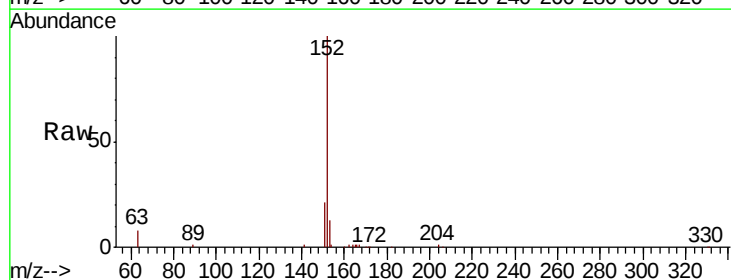
Instrument :
BNA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.3	45.5
170	23.4	20.7	31.1



#16
Acenaphthylene
Concen: 0.332 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007547.D
Acq: 06 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.0	10.6	15.8





#17

Acenaphthene

Concen: 0.394 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

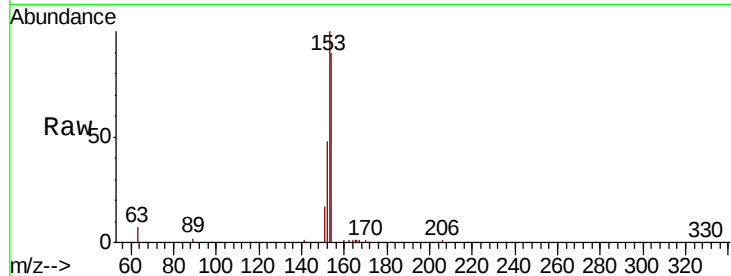
Tot Ion:154 Resp: 16087

Ion Ratio Lower Upper

154 100

153 112.4 92.8 139.2

152 53.8 43.8 65.8

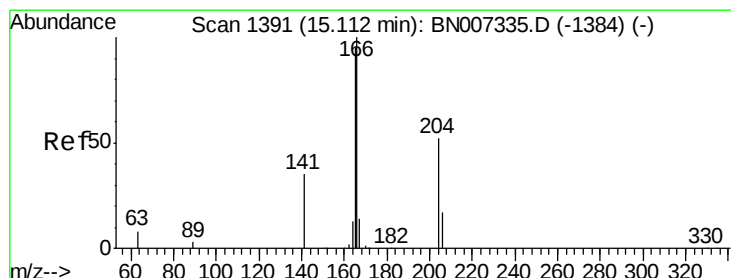
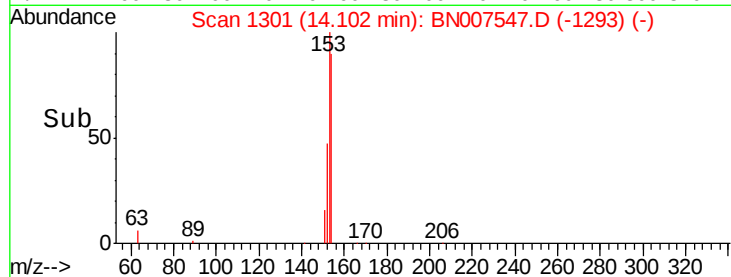
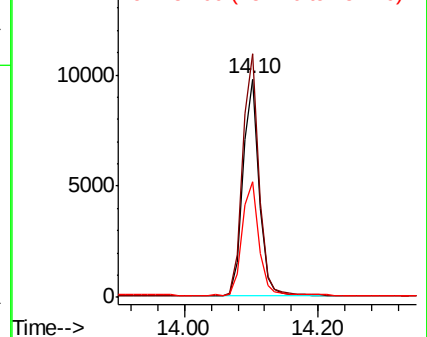


Abundance

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: 0.389 ng

RT: 15.09 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

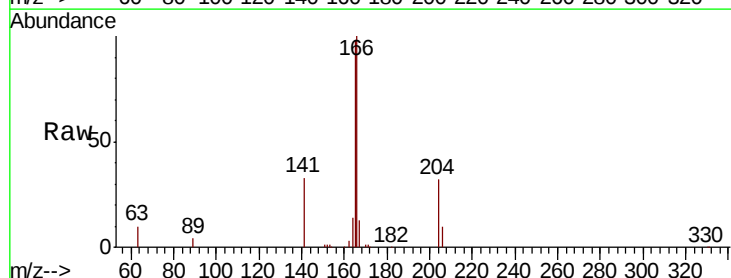
Tgt Ion:166 Resp: 20094

Ion Ratio Lower Upper

166 100

165 97.9 79.0 118.4

167 13.5 10.6 15.8

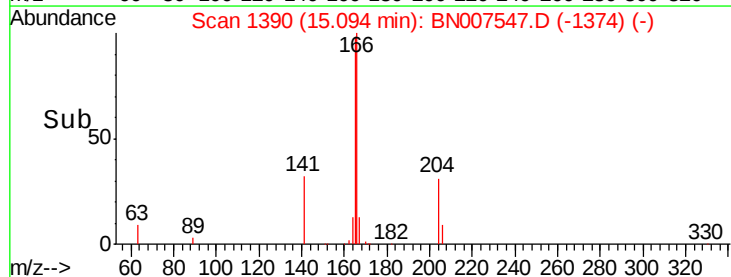
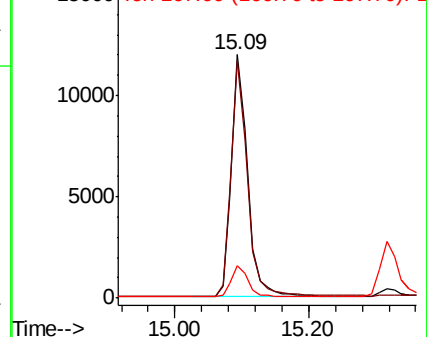


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

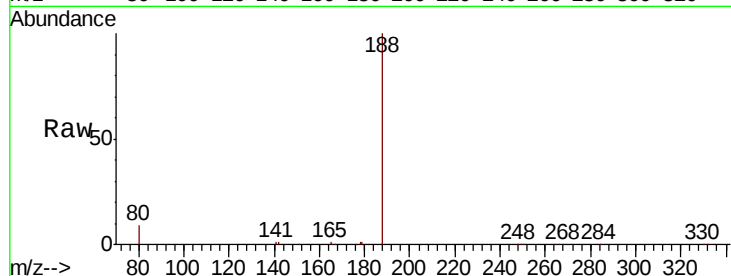
Tot Ion:188 Resp: 26930

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

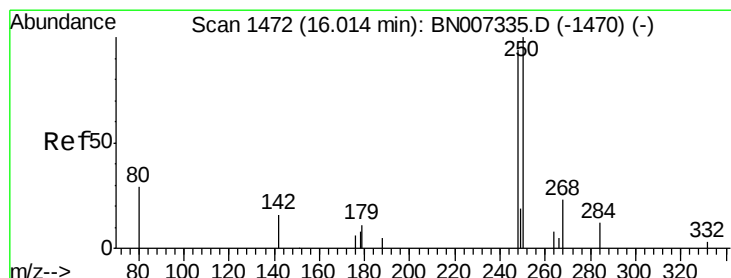
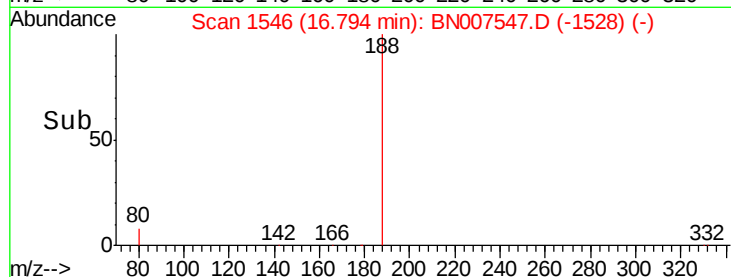
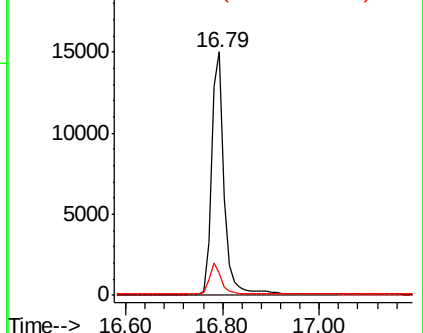
80 9.1 11.8 17.8#



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: 0.189 ng

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

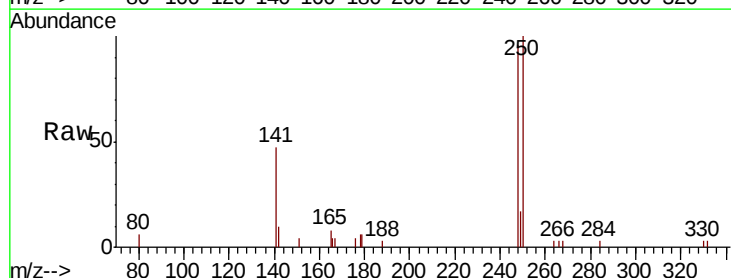
Tgt Ion:248 Resp: 2012

Ion Ratio Lower Upper

248 100

250 104.6 85.0 127.6

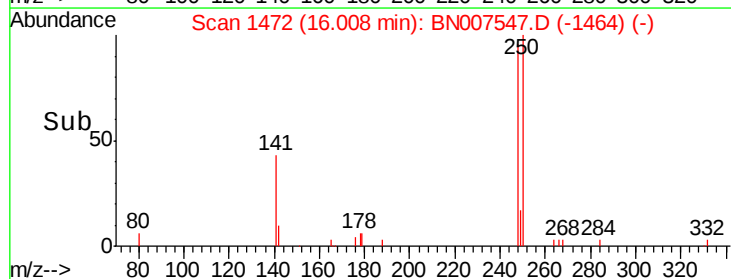
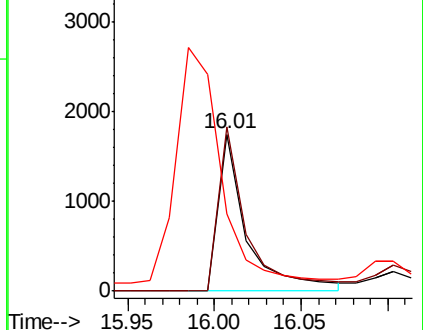
141 49.6 51.7 77.5#

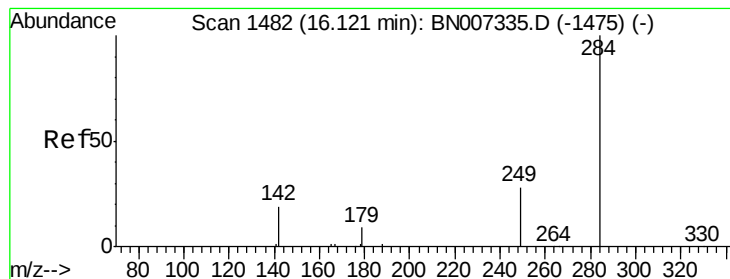


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.394 ng

RT: 16.10 min Scan# 1481

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

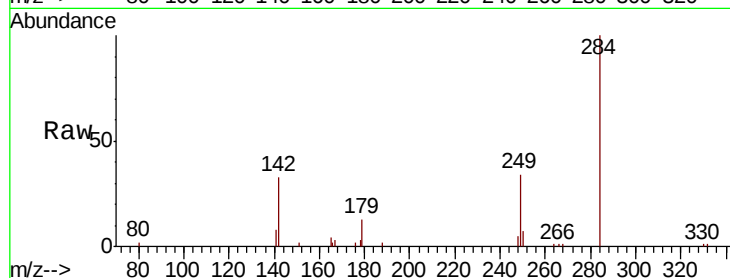
Tot Ion:284 Resp: 7112

Ion Ratio Lower Upper

284 100

142 32.7 29.0 43.6

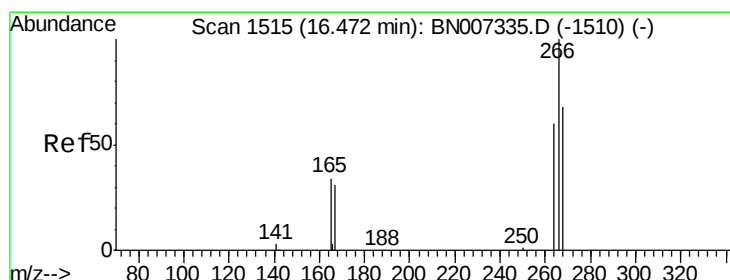
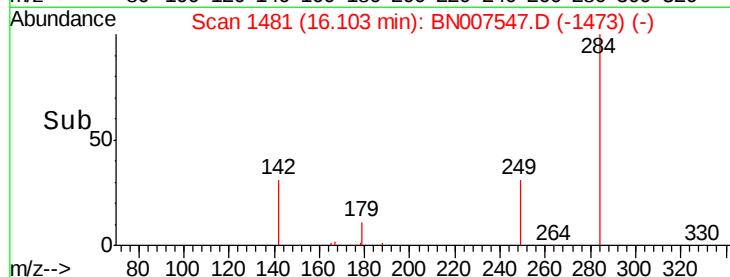
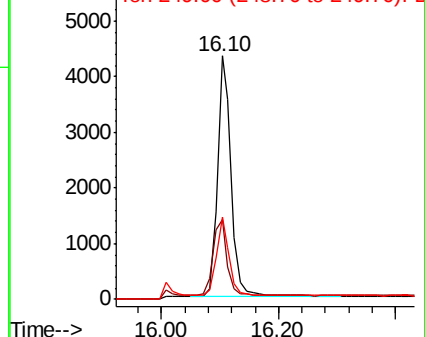
249 29.5 24.9 37.3



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: 0.235 ng

RT: 16.46 min Scan# 1515

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

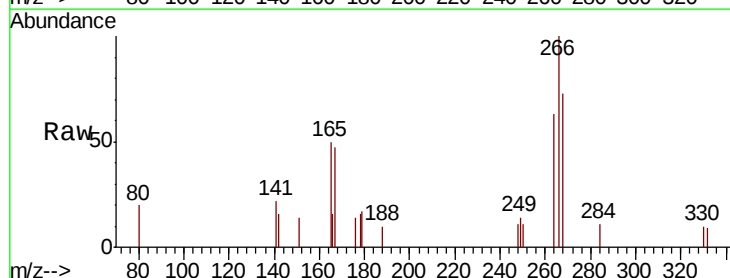
Tgt Ion:266 Resp: 1316

Ion Ratio Lower Upper

266 100

264 62.9 57.8 86.8

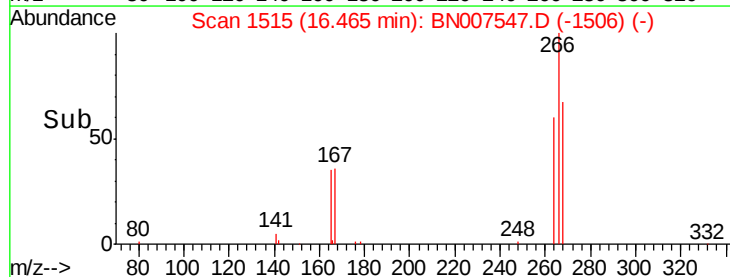
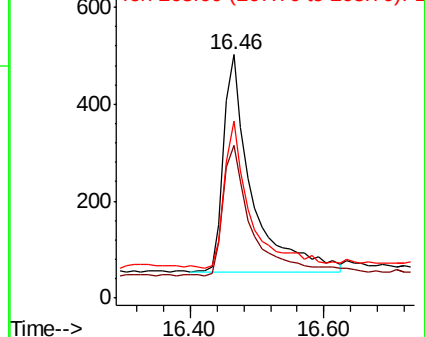
268 72.5 99.7 149.5#



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: 0.404 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

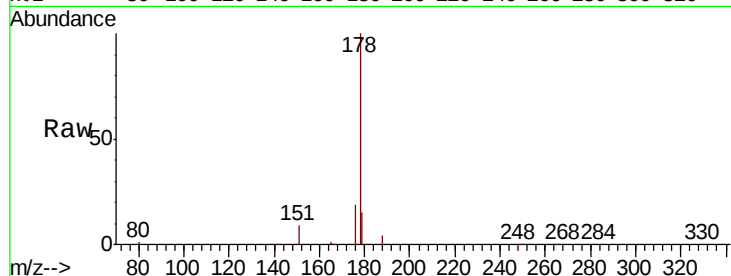
Tot Ion:178 Resp: 32766

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.5 12.6 19.0

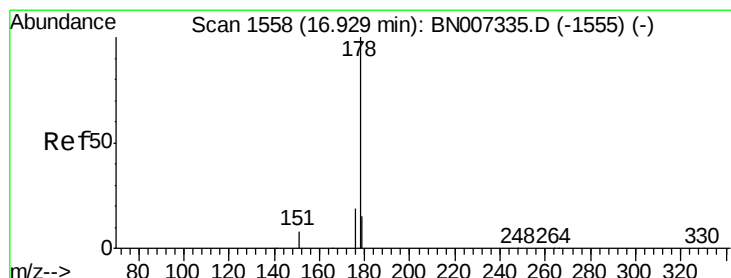
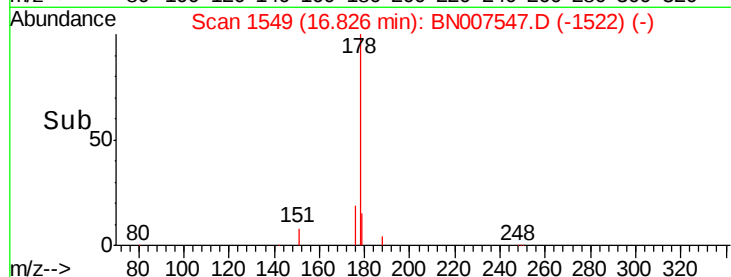
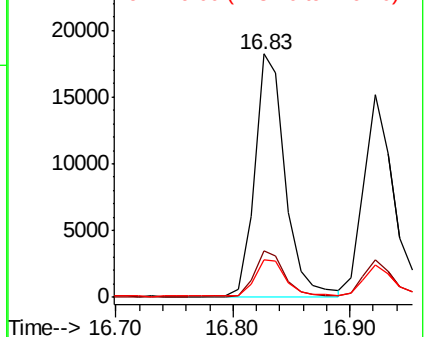


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.339 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

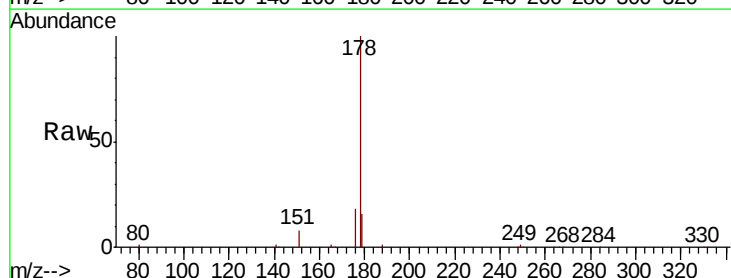
Tgt Ion:178 Resp: 27601

Ion Ratio Lower Upper

178 100

176 18.3 14.9 22.3

179 15.7 12.4 18.6

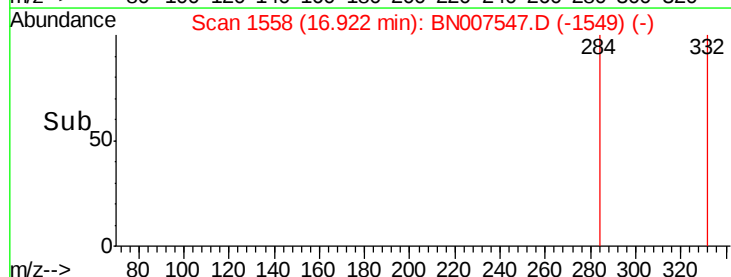
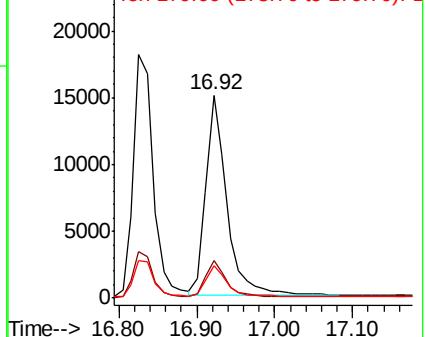


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

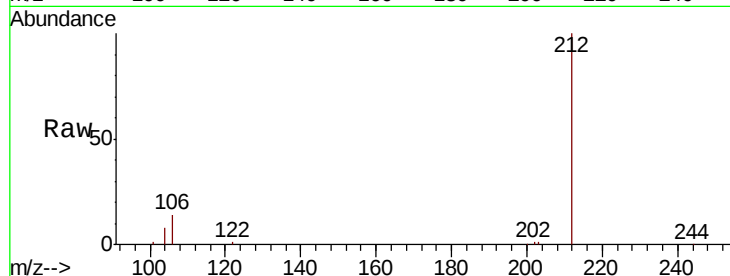
Tot Ion:212 Resp: 31029

Ion Ratio Lower Upper

212 100

106 13.8 9.0 13.4#

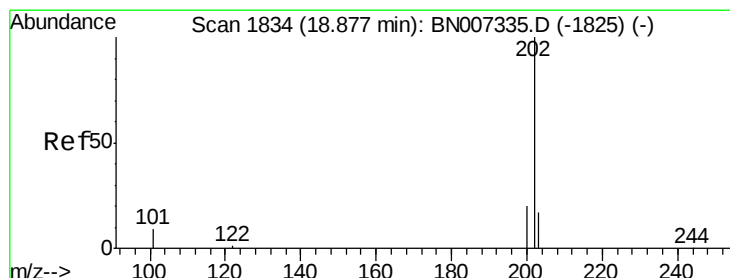
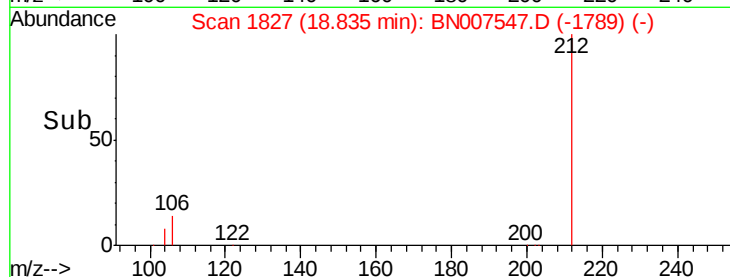
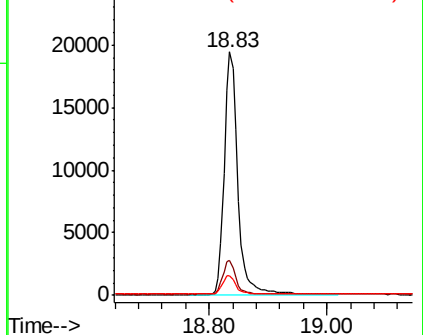
104 7.8 5.4 8.2



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: 0.369 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

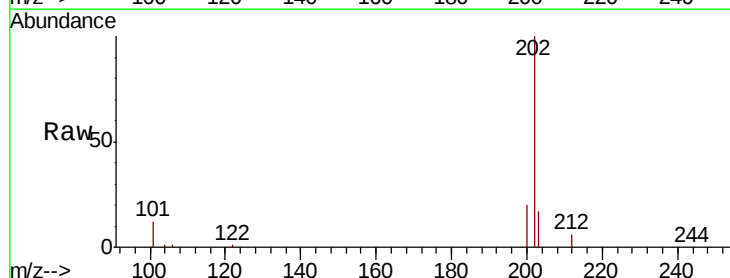
Tgt Ion:202 Resp: 38358

Ion Ratio Lower Upper

202 100

101 11.1 7.7 11.5

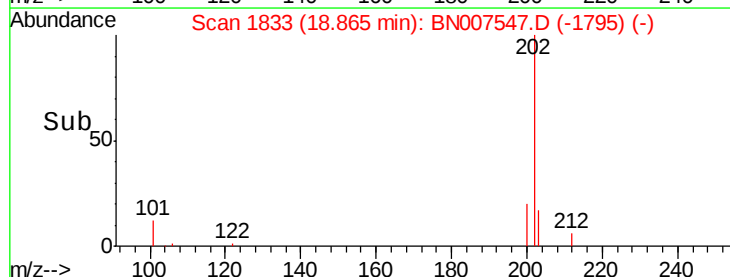
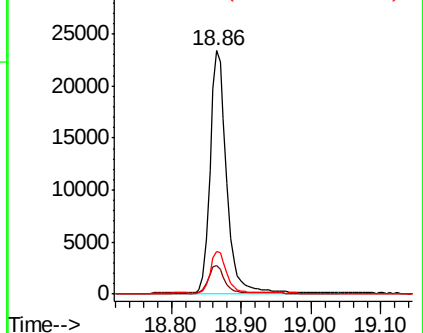
203 17.1 13.7 20.5



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# 2158

Delta R.T. -0.00 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

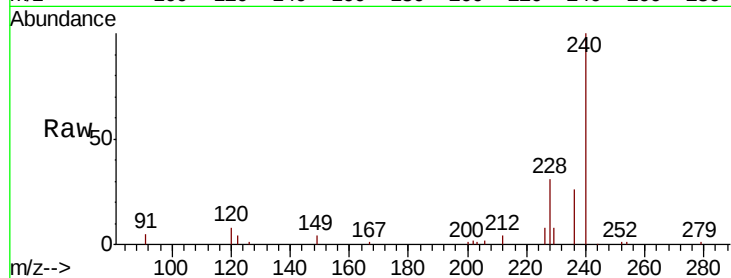
Tot Ion:240 Resp: 26781

Ion Ratio Lower Upper

240 100

120 8.0 9.6 14.4#

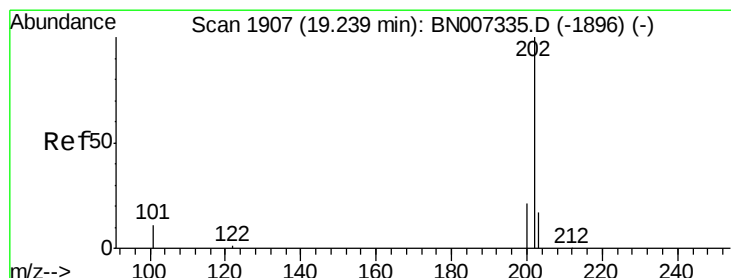
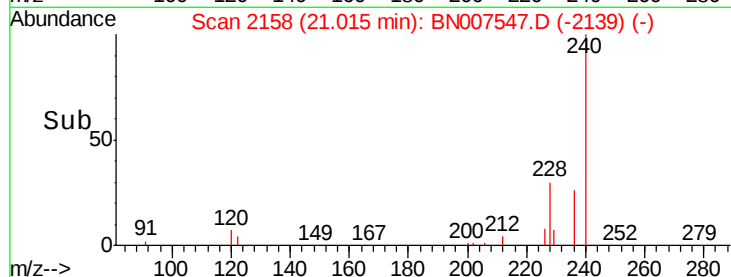
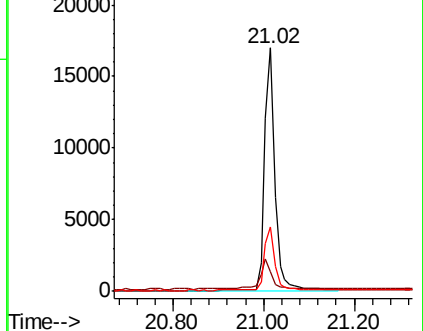
236 26.2 22.2 33.2



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: 0.368 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

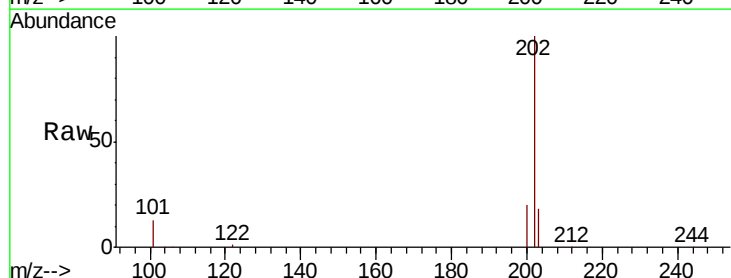
Tgt Ion:202 Resp: 39636

Ion Ratio Lower Upper

202 100

200 20.1 16.6 25.0

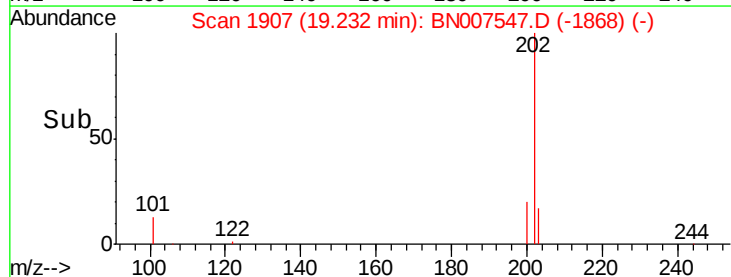
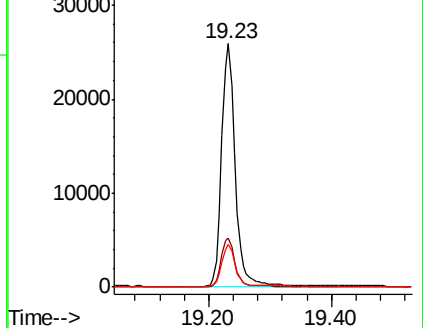
203 17.4 14.2 21.4



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: 0.365 ng

RT: 19.46 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampled :

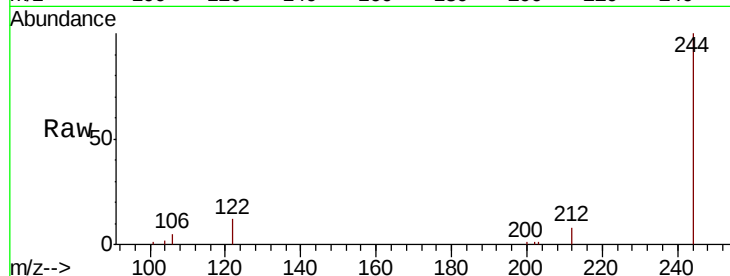
Tot Ion:244 Resp: 25614

Ion Ratio Lower Upper

244 100

212 7.6 7.0 10.6

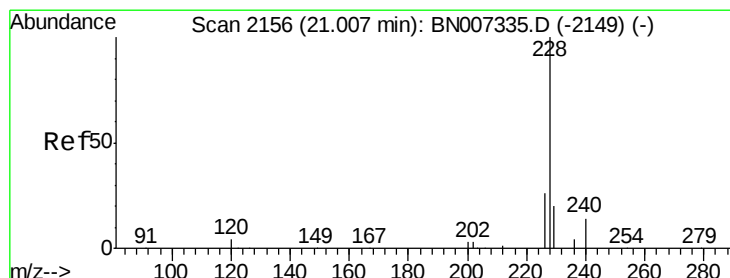
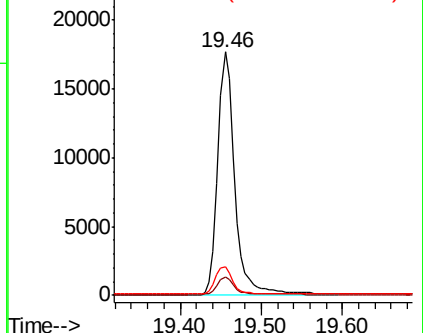
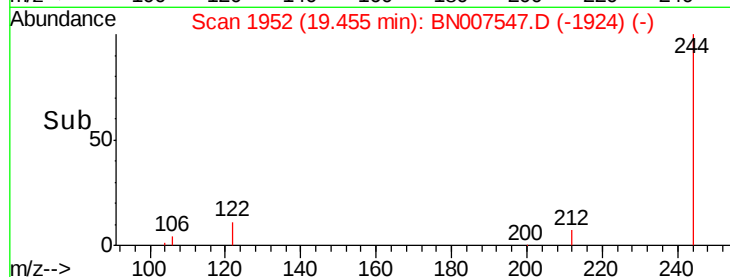
122 11.6 9.6 14.4



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: 0.364 ng

RT: 20.99 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

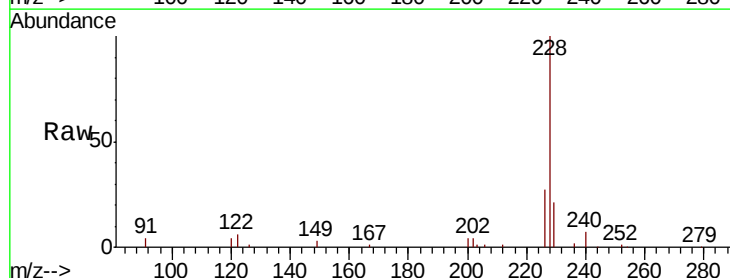
Tgt Ion:228 Resp: 38263

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

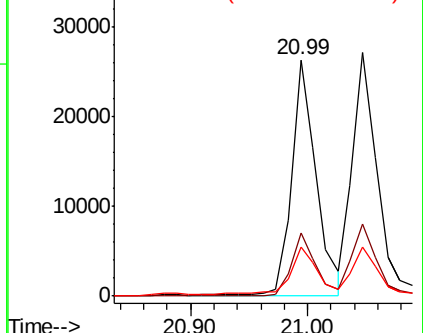
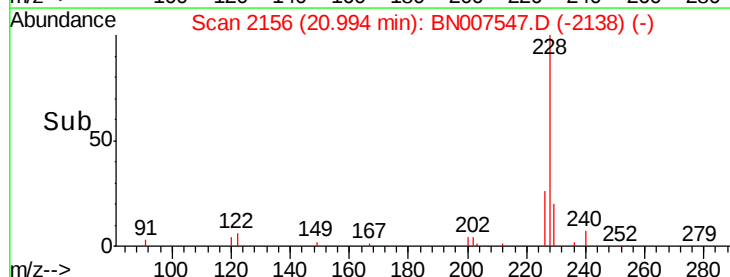
229 20.7 16.1 24.1

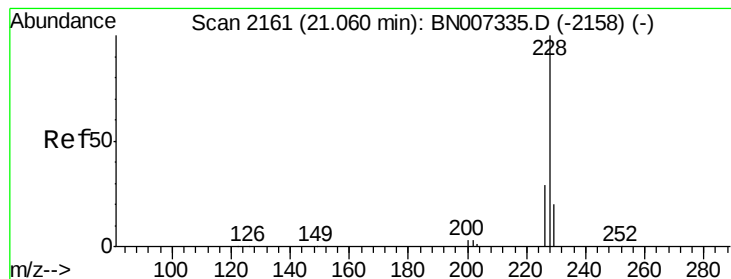


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.386 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

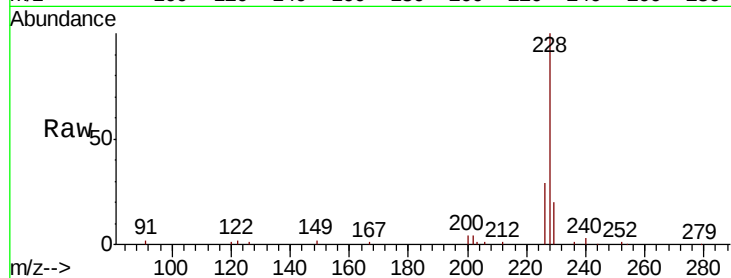
Tot Ion:228 Resp: 39220

Ion Ratio Lower Upper

228 100

226 29.5 23.5 35.3

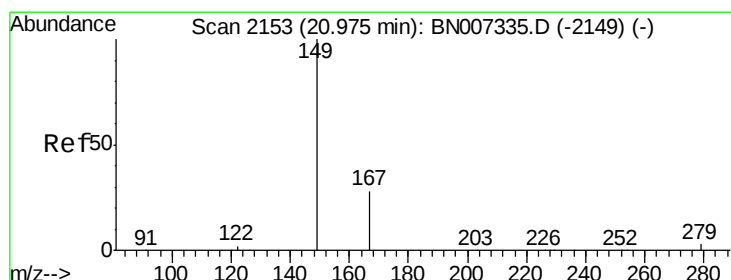
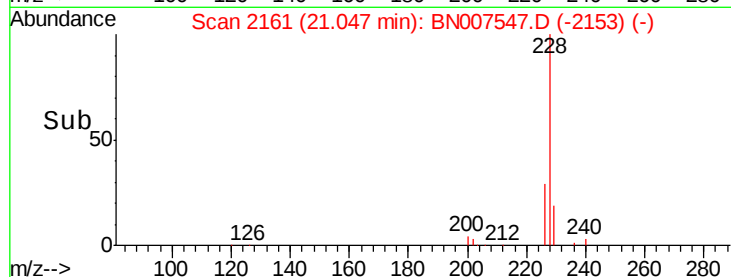
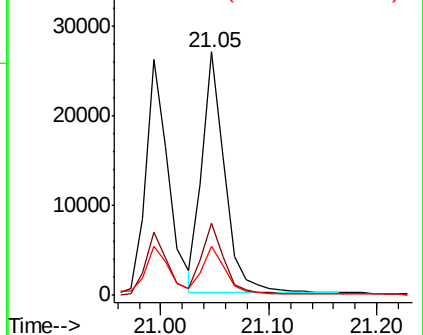
229 19.9 16.6 24.8



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: 0.251 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

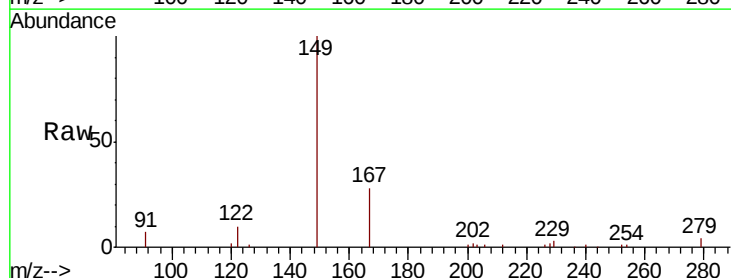
Tgt Ion:149 Resp: 18389

Ion Ratio Lower Upper

149 100

167 29.3 22.8 34.2

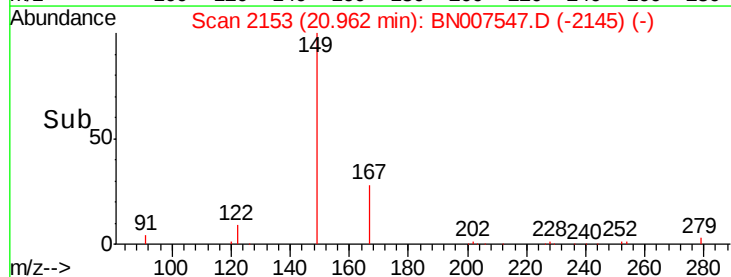
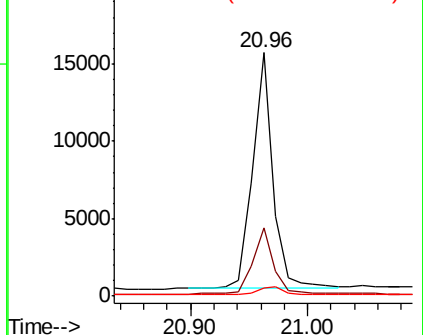
279 4.4 3.5 5.3

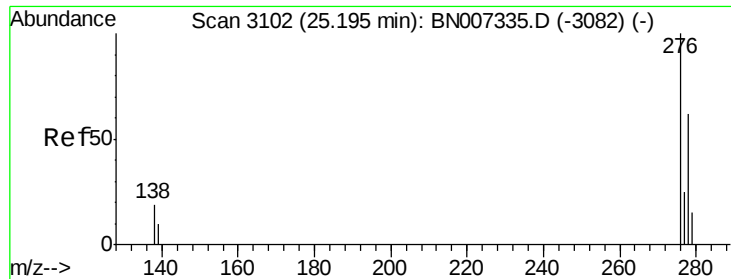


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

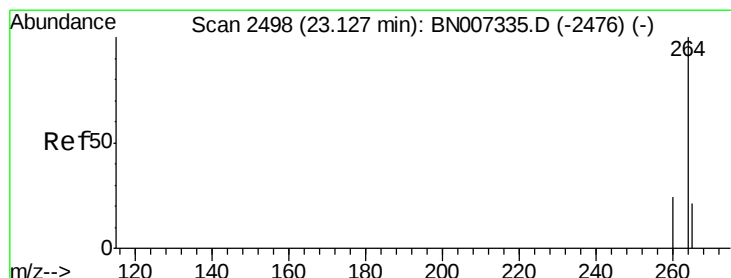
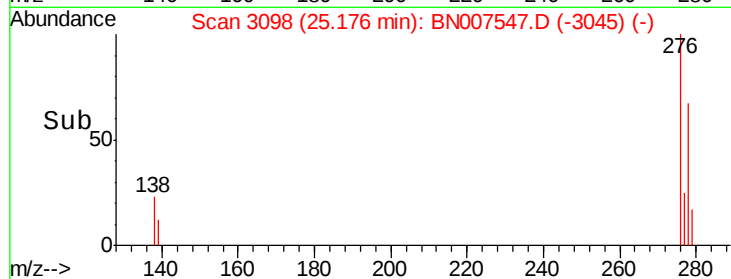
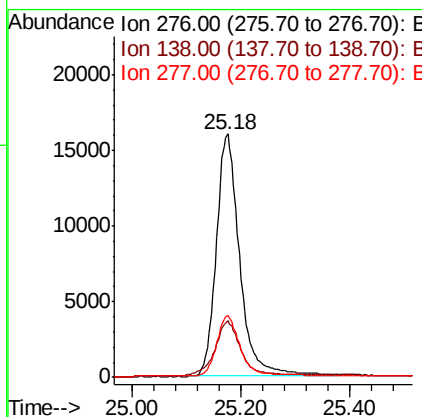
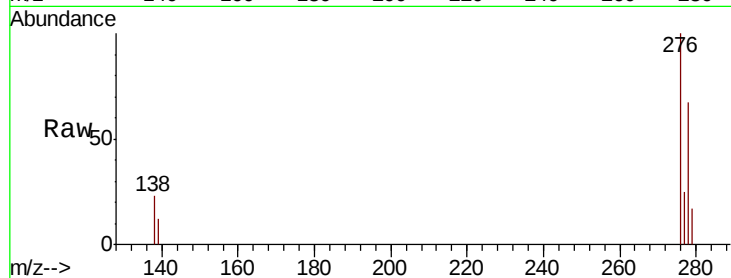




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.02 min
Lab File: BN007547.D
Acq: 06 Sep 2019 18:23

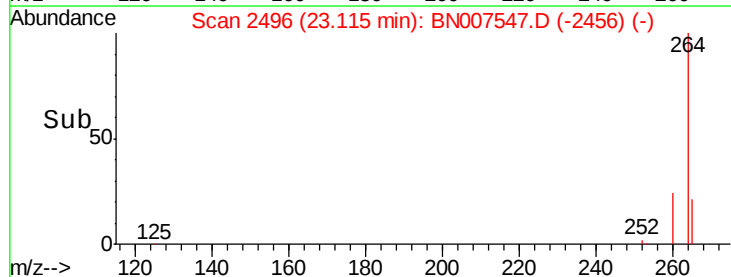
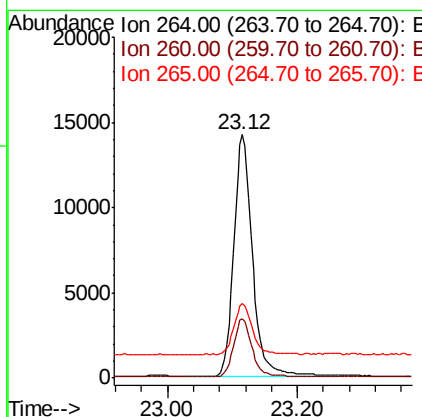
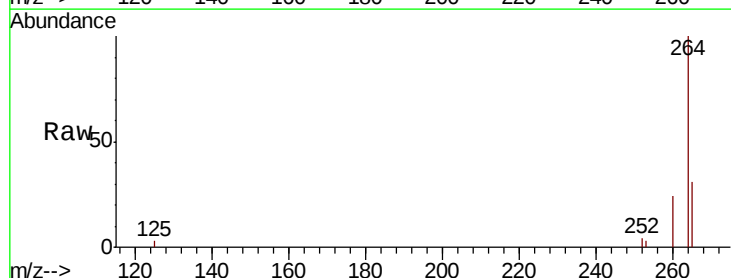
Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 48007
Ion Ratio Lower Upper
276 100
138 24.1 15.1 22.7#
277 24.4 19.7 29.5



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN007547.D
Acq: 06 Sep 2019 18:23

Tgt Ion:264 Resp: 28691
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 30.7 29.9 44.9





#35

Benzo(b)fluoranthene

Concen: 0.364 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :

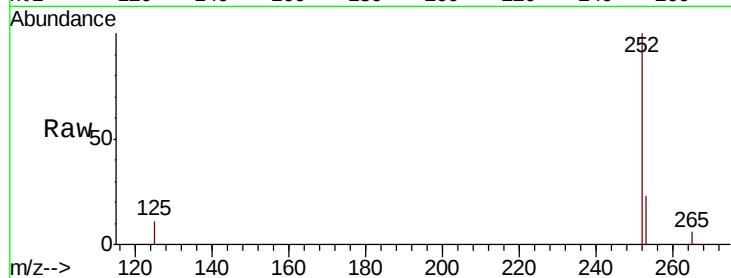
Tot Ion:252 Resp: 37860

Ion Ratio Lower Upper

252 100

253 23.0 19.2 28.8

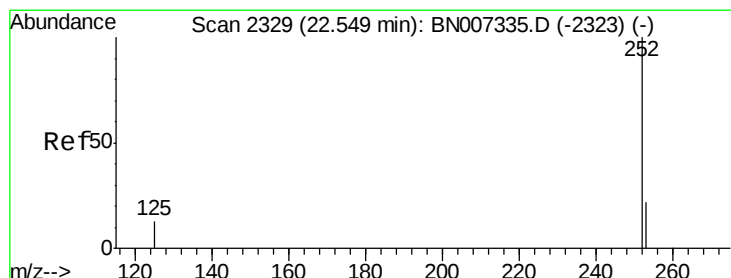
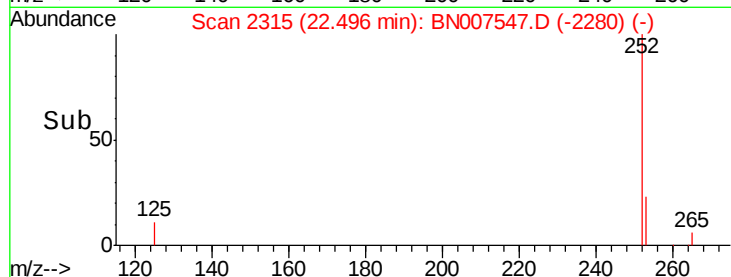
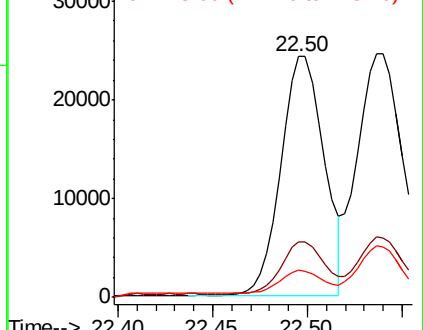
125 11.2 10.6 16.0



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: 0.440 ng

RT: 22.54 min Scan# 2327

Delta R.T. -0.01 min

Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

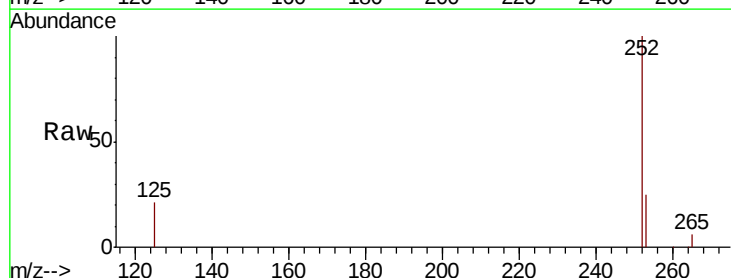
Tgt Ion:252 Resp: 45163

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.2

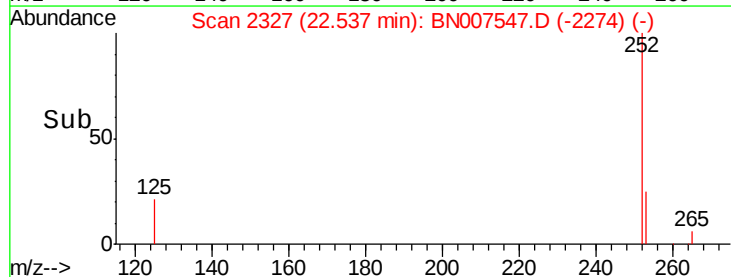
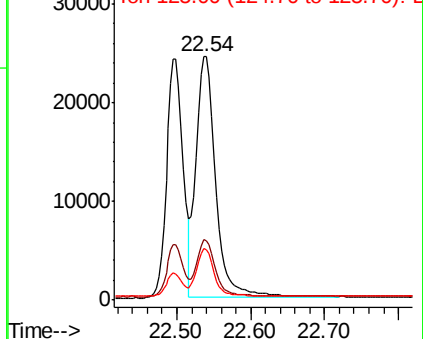
125 21.0 13.1 19.7#



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

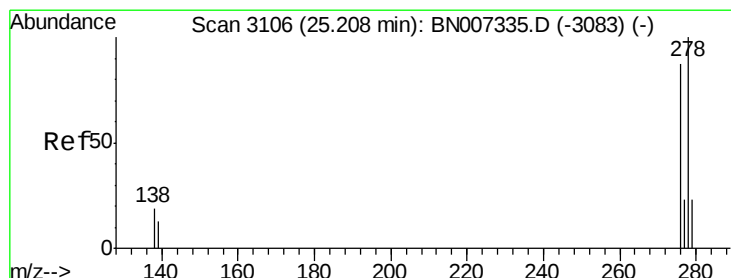
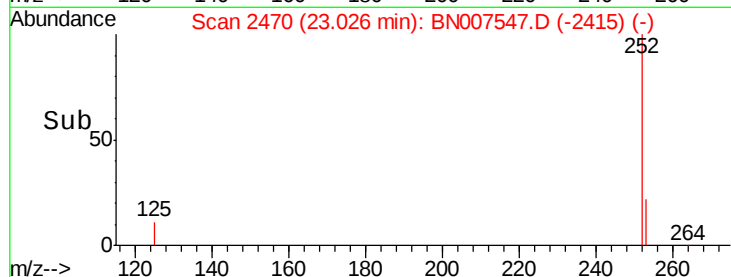
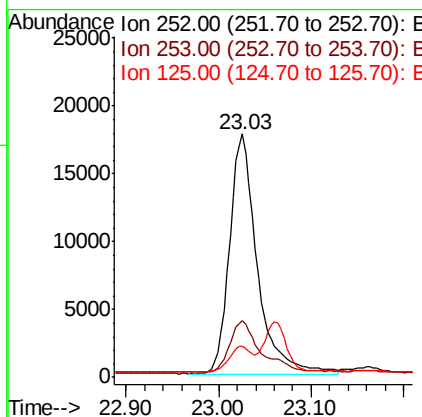
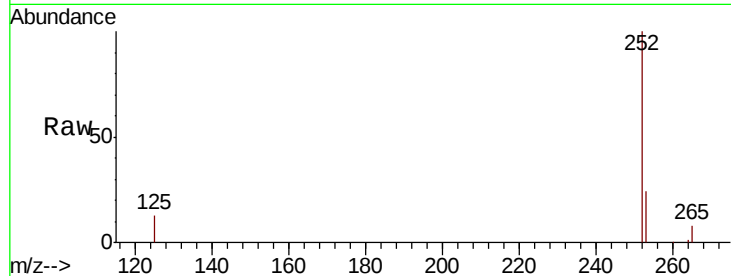




#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.03 min Scan# 2470
Delta R.T. -0.01 min
Lab File: BN007547.D
Acq: 06 Sep 2019 18:23

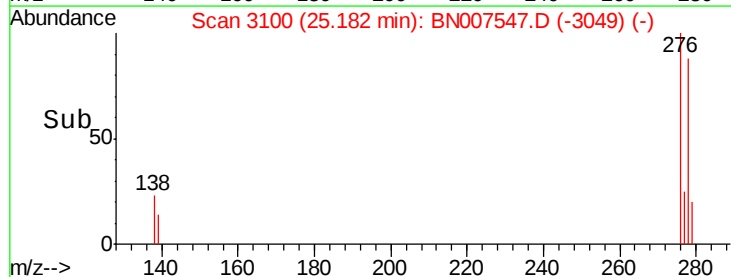
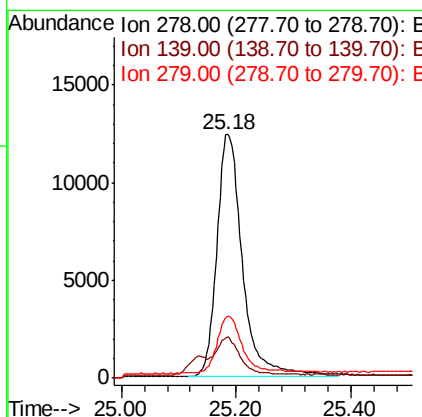
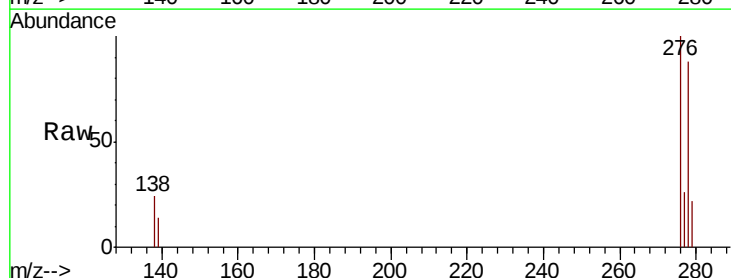
Instrument :
BNA_N
ClientSampleId :

Tot Ion:252 Resp: 36867
Ion Ratio Lower Upper
252 100
253 23.6 19.5 29.3
125 12.7 12.1 18.1



#38
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.18 min Scan# 3100
Delta R.T. -0.03 min
Lab File: BN007547.D
Acq: 06 Sep 2019 18:23

Tgt Ion:278 Resp: 38437
Ion Ratio Lower Upper
278 100
139 16.5 13.7 20.5
279 25.0 20.2 30.4





#39

Benzo(a,h,i)perylene

Concen: 0.397 ng

RT: 25.80 min Scan# 3279

Delta R.T. -0.02 min

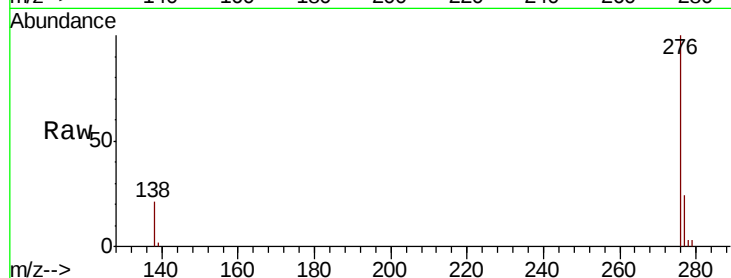
Lab File: BN007547.D

Acq: 06 Sep 2019 18:23

Instrument :

BNA_N

ClientSampleId :



Tot Ion: 276 Resp: 39015

Ion Ratio Lower Upper

276 100

277 24.1 19.6 29.4

138 20.9 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

