

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121719\
 Data File : BN009008.D
 Acq On : 17 Dec 2019 10:05
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 18 12:21:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 17:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	3090	0.40	ng	-0.02
7) Naphthalene-d8	10.30	136	13773	0.40	ng	-0.01
13) Acenaphthene-d10	14.18	164	9908	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	22425	0.40	ng	-0.01
27) Chrysene-d12	21.12	240	20380	0.40	ng	0.00
34) Perylene-d12	23.27	264	17864	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	3302	0.42	ng	-0.02
5) Phenol-d6	6.74	99	4692	0.43	ng	-0.02
8) Nitrobenzene-d5	8.68	82	4628	0.40	ng	-0.01
11) 2-Methylnaphthalene-d10	11.89	152	9979	0.42	ng	-0.02
14) 2,4,6-Tribromophenol	15.67	330	1907	0.40	ng	-0.02
15) 2-Fluorobiphenyl	12.79	172	15125	0.40	ng	-0.02
25) Fluoranthene-d10	18.96	212	26694	0.39	ng	-0.01
29) Terphenyl-d14	19.57	244	20890	0.45	ng	0.00

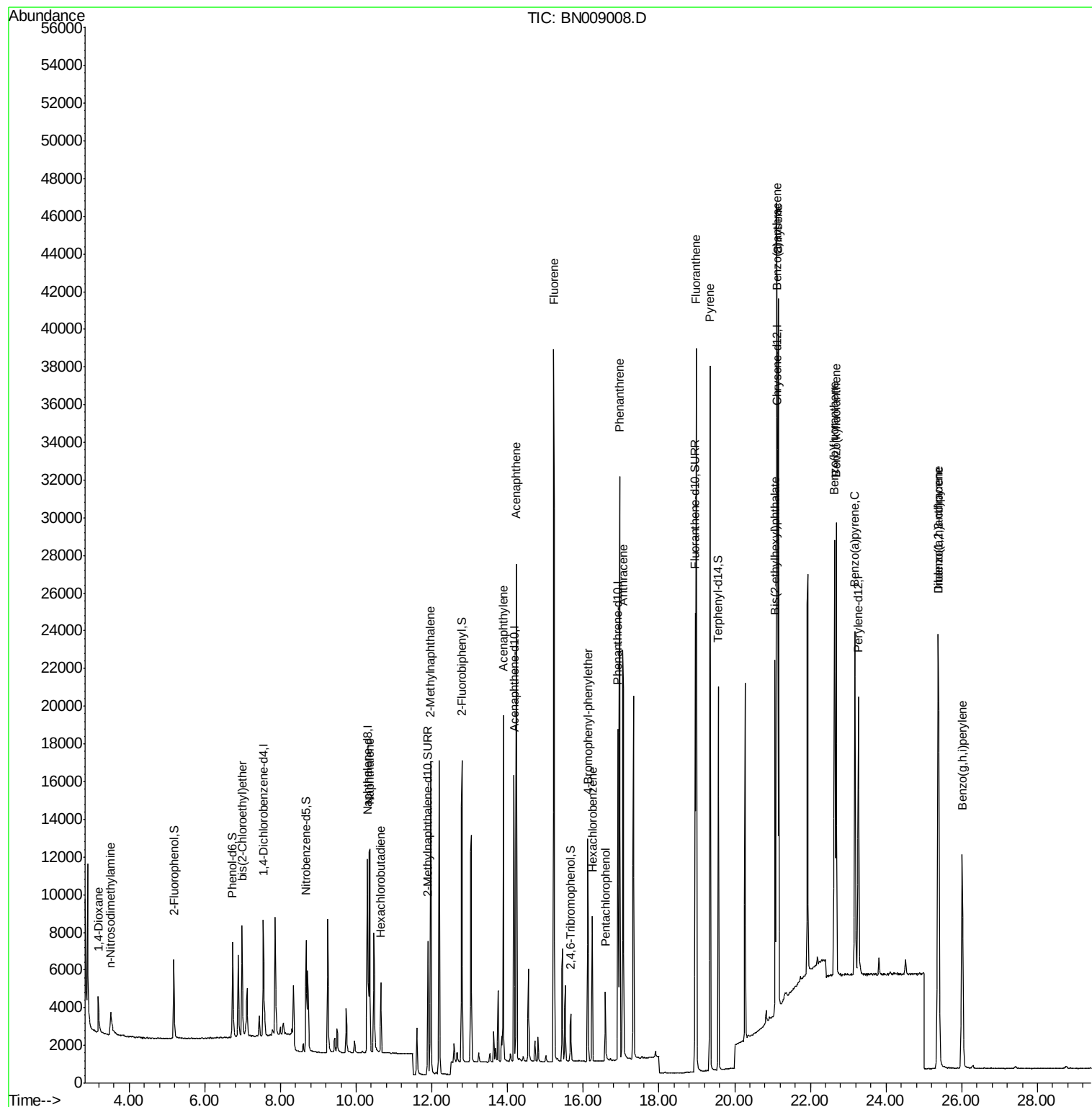
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.19	88	1169	0.403	ng	98
3) n-Nitrosodimethylamine	3.51	42	1426	0.356	ng	# 100
6) bis(2-Chloroethyl)ether	6.99	93	4323	0.422	ng	99
9) Naphthalene	10.35	128	15964	0.425	ng	99
10) Hexachlorobutadiene	10.65	225	2986	0.415	ng	# 99
12) 2-Methylnaphthalene	11.97	142	12154	0.434	ng	99
16) Acenaphthylene	13.89	152	19790	0.437	ng	100
17) Acenaphthene	14.23	154	12740	0.423	ng	99
18) Fluorene	15.22	166	17032	0.421	ng	100
20) 4-Bromophenyl-phenylether	16.12	248	5561	0.415	ng	96
21) Hexachlorobenzene	16.24	284	6414	0.420	ng	98
22) Pentachlorophenol	16.58	266	2153	0.391	ng	98
23) Phenanthrene	16.96	178	29189	0.414	ng	100
24) Anthracene	17.05	178	25485	0.410	ng	100
26) Fluoranthene	18.99	202	33777	0.402	ng	100
28) Pyrene	19.35	202	34061	0.477	ng	100
30) Benzo(a)anthracene	21.11	228	31554	0.437	ng	99
31) Chrysene	21.16	228	31673	0.423	ng	97
32) Bis(2-ethylhexyl)phthalate	21.07	149	16536	0.489	ng	100
33) Indeno(1,2,3-cd)pyrene	25.37	276	26272	0.331	ng	100
35) Benzo(b)fluoranthene	22.63	252	27507	0.430	ng	100
36) Benzo(k)fluoranthene	22.68	252	28020	0.435	ng	98
37) Benzo(a)pyrene	23.18	252	24158	0.421	ng	99
38) Dibenzo(a,h)anthracene	25.39	278	21146	0.393	ng	99
39) Benzo(g,h,i)perylene	26.01	276	21495	0.404	ng	99

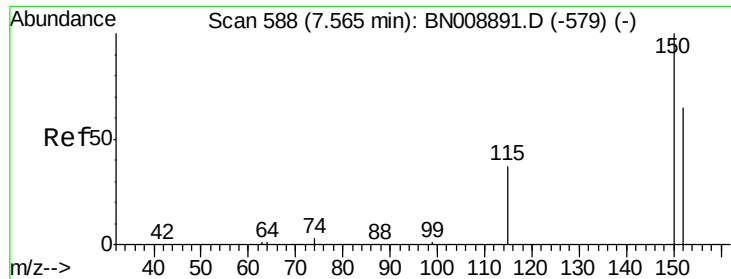
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 09 17:02:53 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.55 min Scan# 586

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

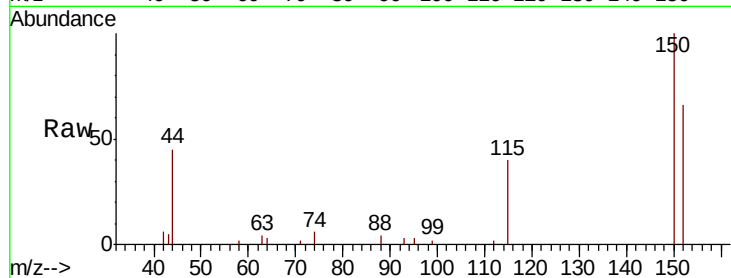
Tot Ion:152 Resp: 3090

Ion Ratio Lower Upper

152 100

150 150.5 122.3 183.5

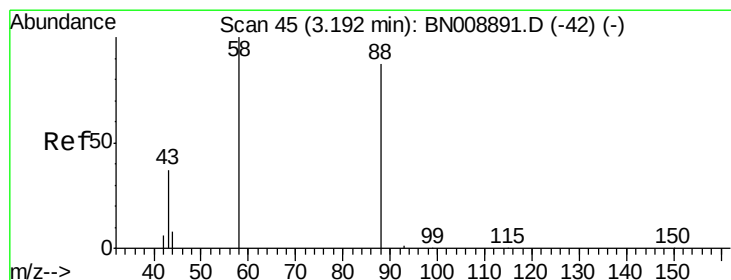
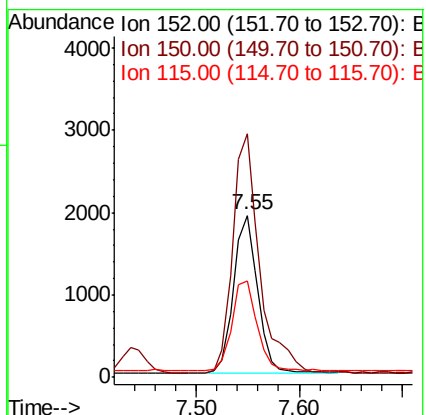
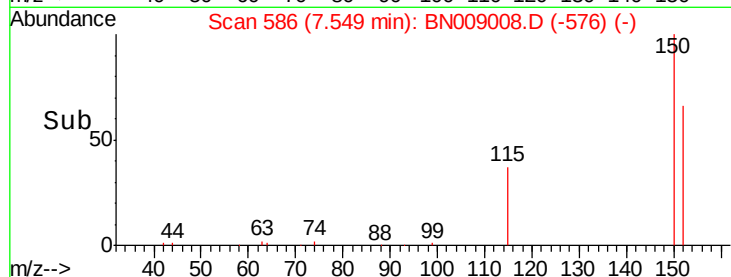
115 59.6 48.4 72.6



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: 0.403 ng

RT: 3.19 min Scan# 45

Delta R.T. 0.00 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

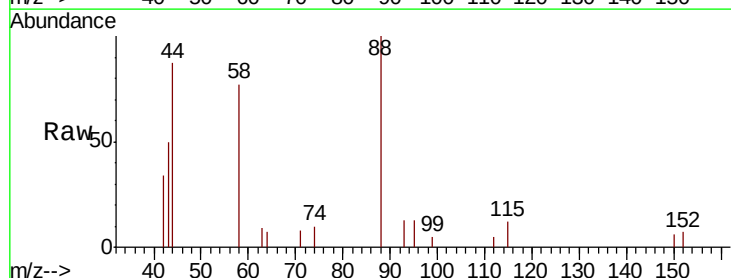
Tgt Ion: 88 Resp: 1169

Ion Ratio Lower Upper

88 100

58 113.2 88.6 132.8

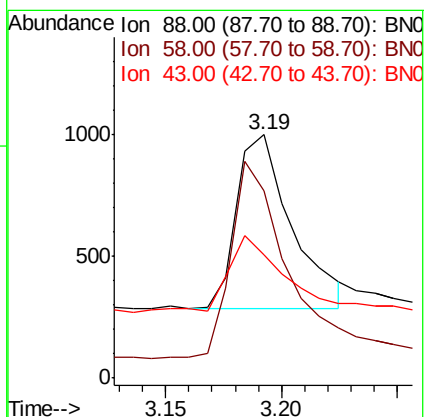
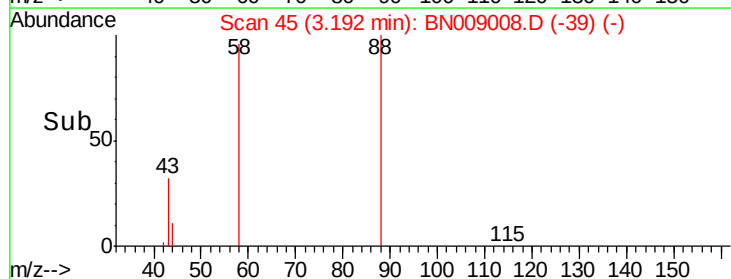
43 39.3 31.8 47.8

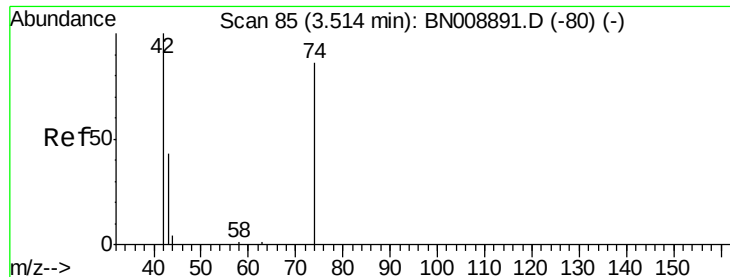


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.356 ng

RT: 3.51 min Scan# 85

Delta R.T. 0.00 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

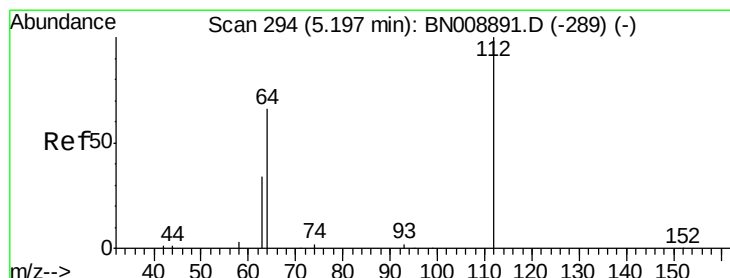
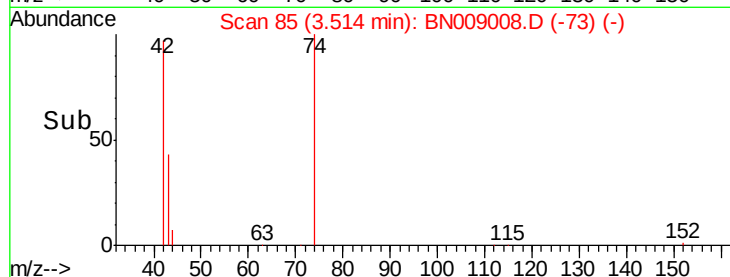
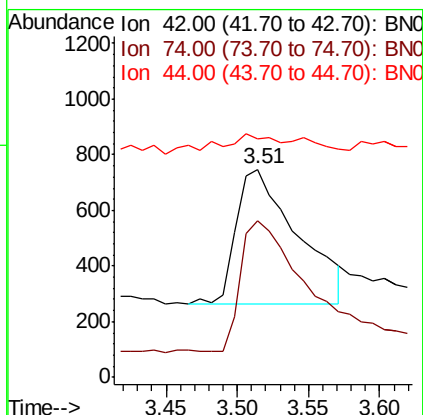
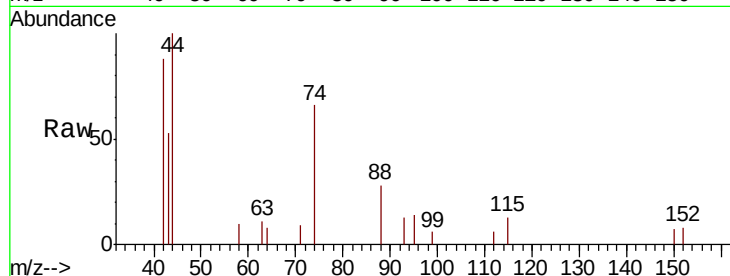
Tot Ion: 42 Resp: 1426

Ion Ratio Lower Upper

42 100

74 98.4 78.6 117.8

44 13.9 0.0 0.0#



#4

2-Fluorophenol

Concen: 0.420 ng

RT: 5.18 min Scan# 292

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

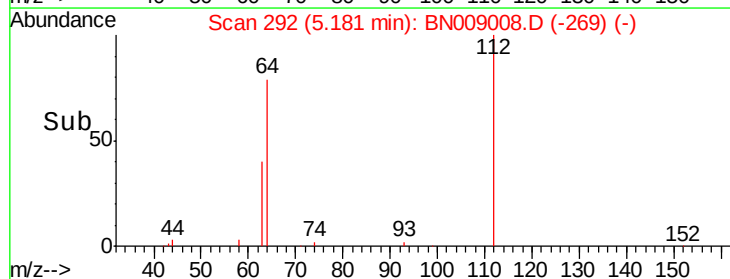
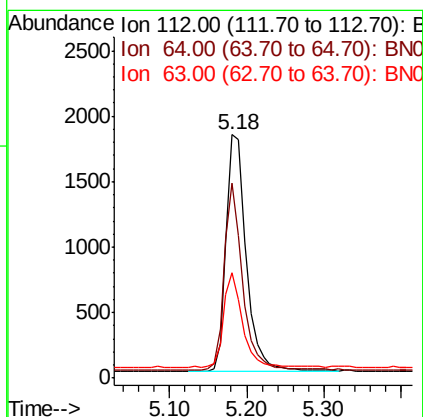
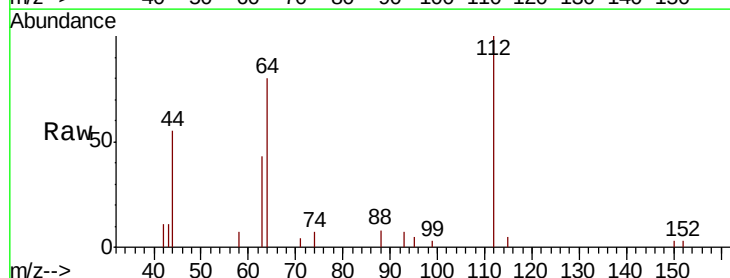
Tgt Ion: 112 Resp: 3302

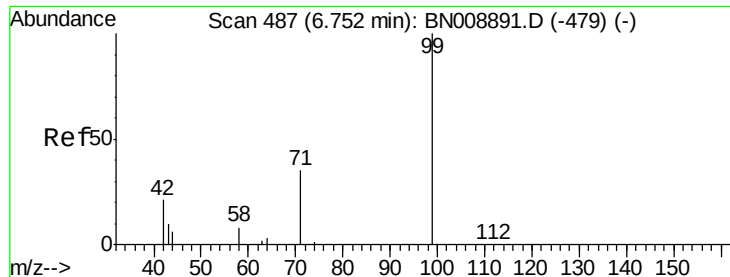
Ion Ratio Lower Upper

112 100

64 71.7 57.7 86.5

63 38.1 29.6 44.4





#5

Phenol-d6

Concen: 0.432 ng

RT: 6.74 min Scan# 485

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

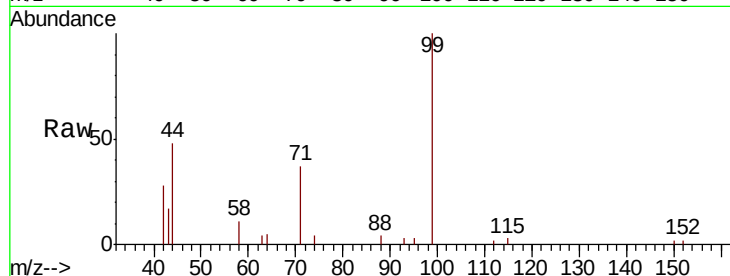
Tot Ion: 99 Resp: 4692

Ion Ratio Lower Upper

99 100

42 24.9 20.1 30.1

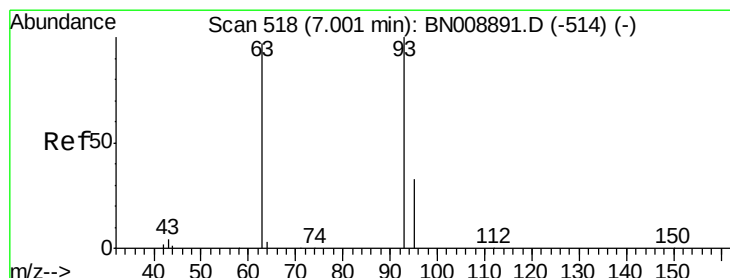
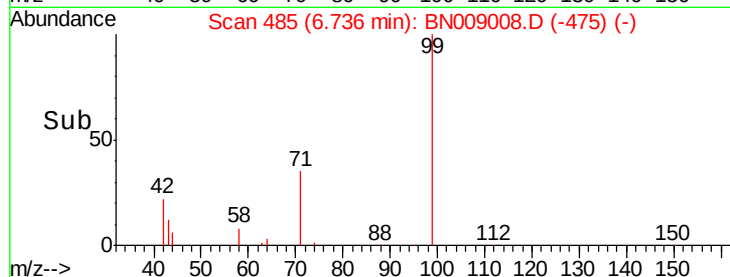
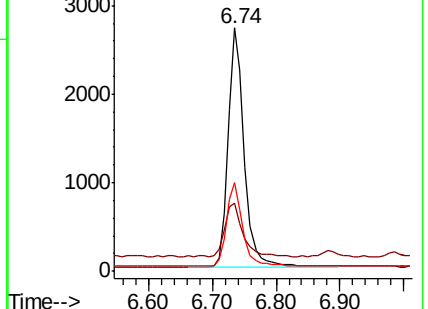
71 34.8 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BN009008.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN009008.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN009008.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.422 ng

RT: 6.99 min Scan# 516

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

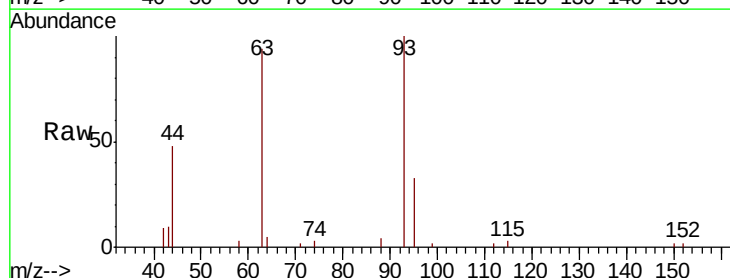
Tgt Ion: 93 Resp: 4323

Ion Ratio Lower Upper

93 100

63 91.2 73.5 110.3

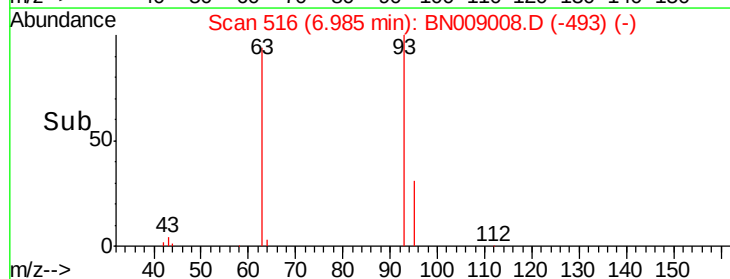
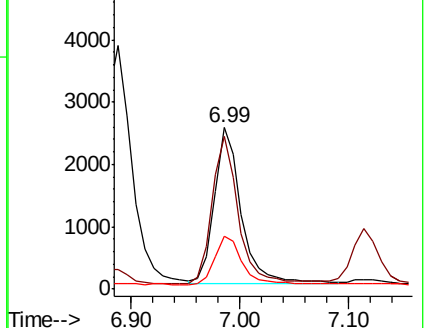
95 31.3 26.0 39.0

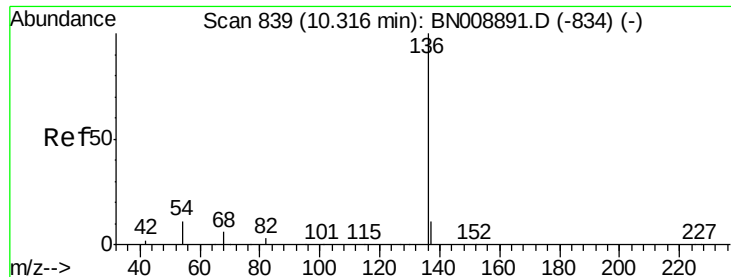


Abundance Ion 93.00 (92.70 to 93.70): BN009008.D (-493) (-)

Ion 63.00 (62.70 to 63.70): BN009008.D (-493) (-)

Ion 95.00 (94.70 to 95.70): BN009008.D (-493) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 13773

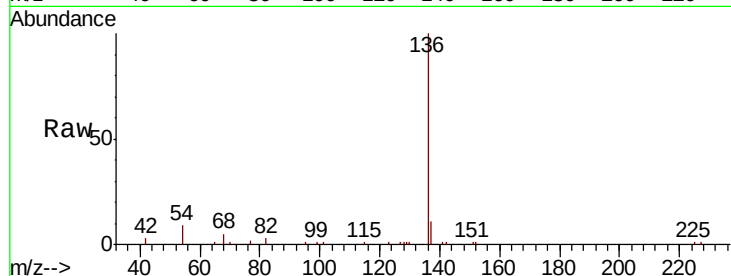
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 9.1 9.6 14.4#

68 5.3 5.6 8.4#

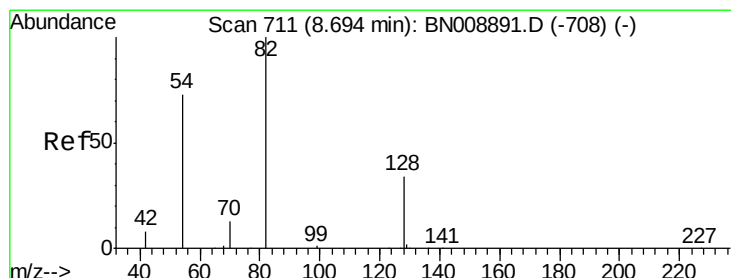
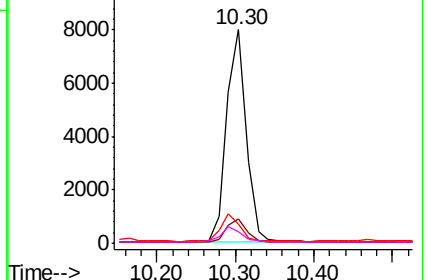
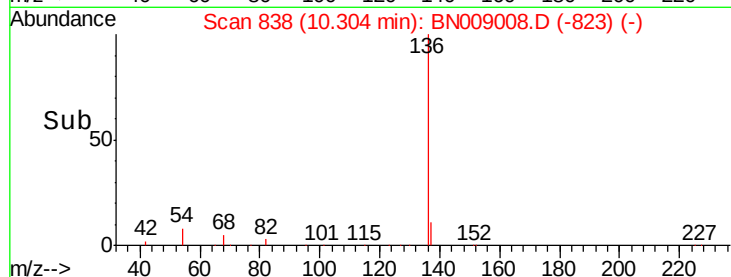


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.396 ng

RT: 8.68 min Scan# 710

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

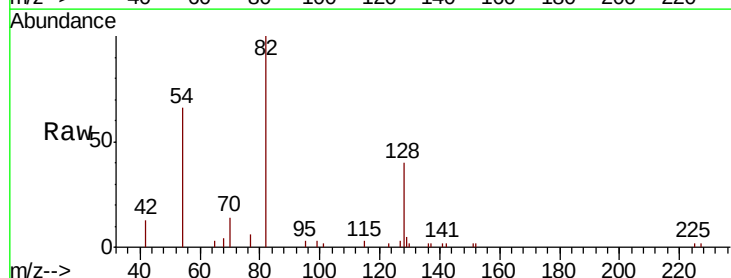
Tgt Ion: 82 Resp: 4628

Ion Ratio Lower Upper

82 100

128 40.3 29.1 43.7

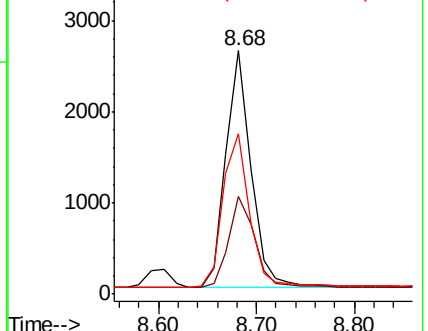
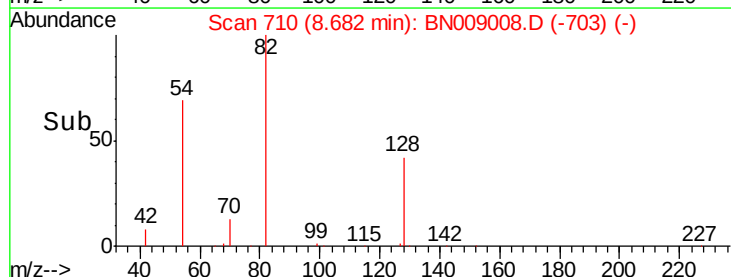
54 65.7 59.7 89.5

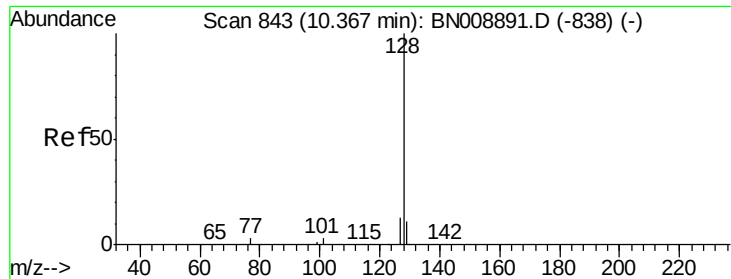


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

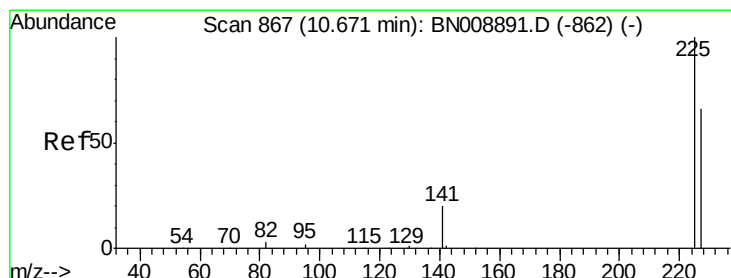
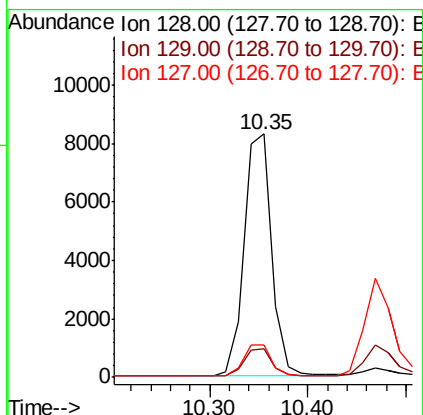
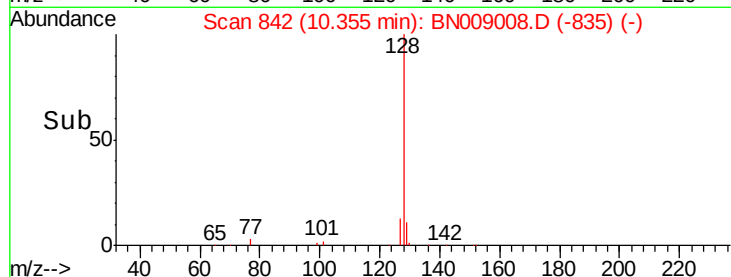
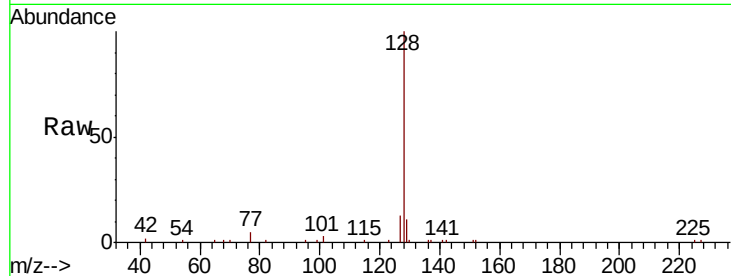




#9
Naphthalene
Concen: 0.425 ng
RT: 10.35 min Scan# 842
Delta R.T. -0.01 min
Lab File: BN009008.D
Acq: 17 Dec 2019 10:05

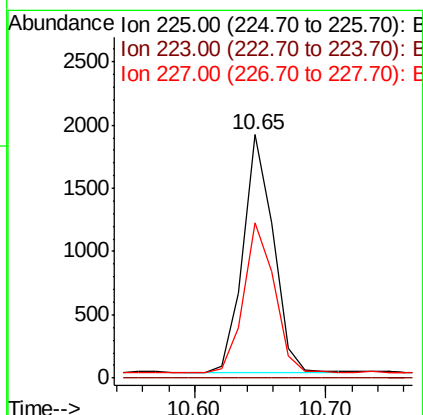
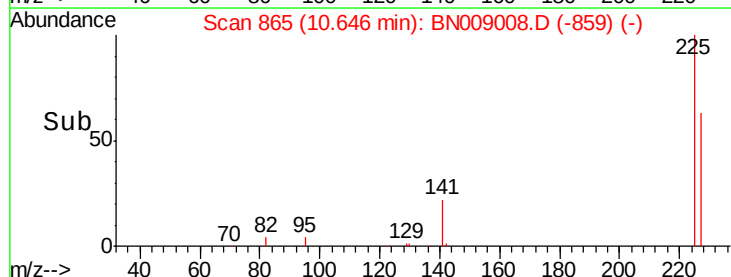
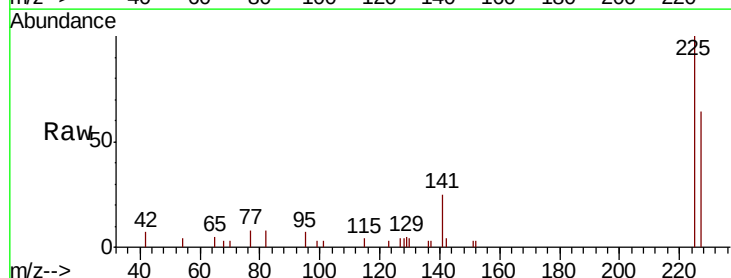
Instrument :
BNA_N
ClientSampleId :
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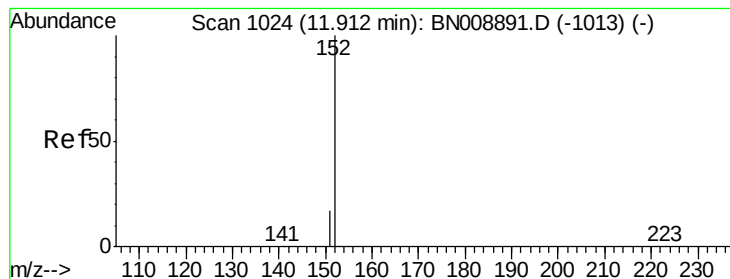
Tot Ion:128 Resp: 15964
Ion Ratio Lower Upper
128 100
129 11.5 9.4 14.0
127 13.2 10.8 16.2



#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 10.65 min Scan# 865
Delta R.T. -0.03 min
Lab File: BN009008.D
Acq: 17 Dec 2019 10:05

Tgt Ion:225 Resp: 2986
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.9 51.4 77.2





#11

2-Methylnaphthalene-d10

Concen: 0.424 ng

RT: 11.89 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

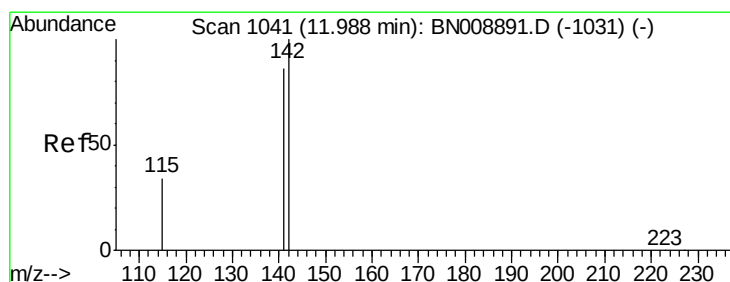
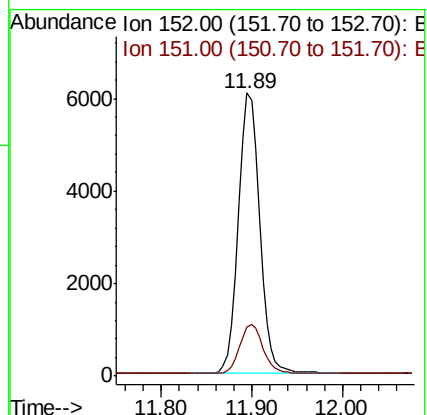
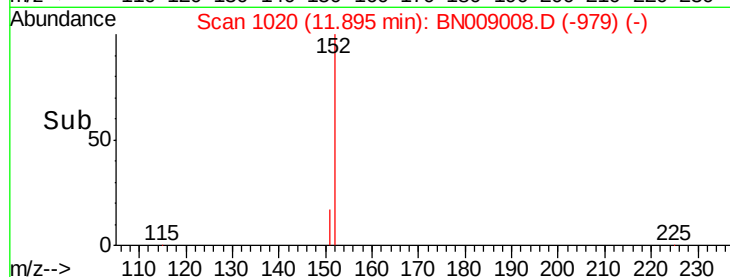
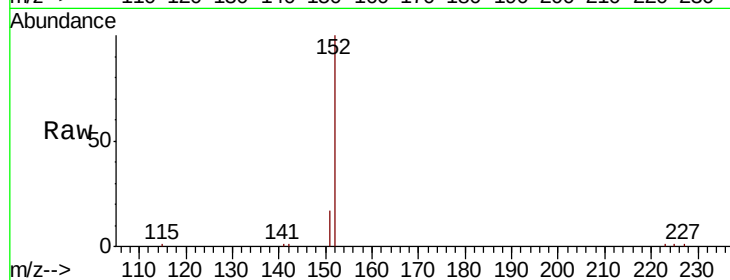
SSTDCCC0.4

Tot Ion:152 Resp: 9979

Ion Ratio Lower Upper

152 100

151 19.0 15.2 22.8



#12

2-Methylnaphthalene

Concen: 0.434 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

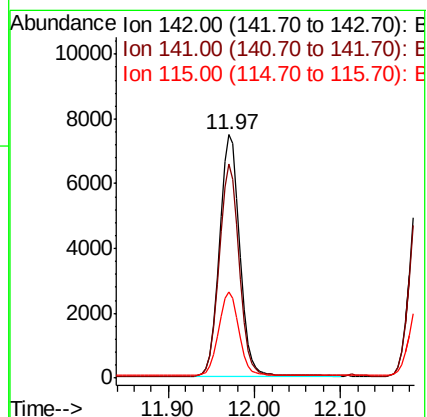
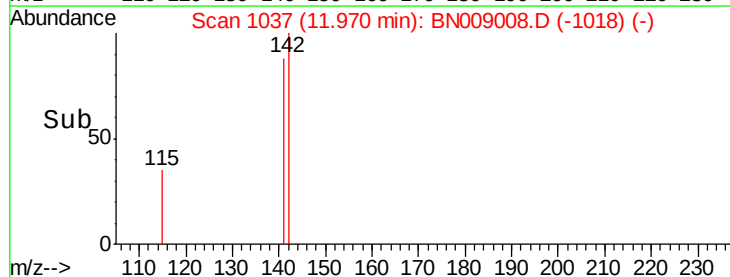
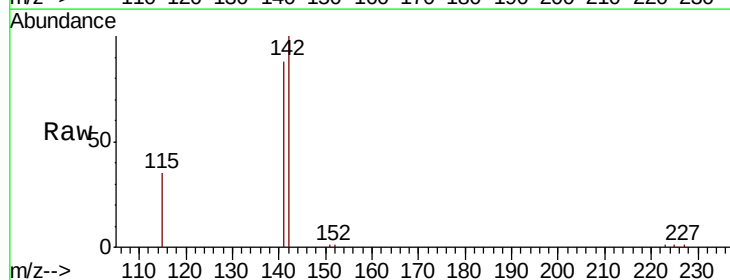
Tgt Ion:142 Resp: 12154

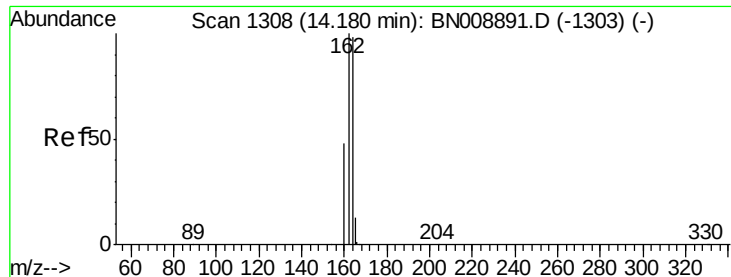
Ion Ratio Lower Upper

142 100

141 87.9 69.3 103.9

115 35.3 27.9 41.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

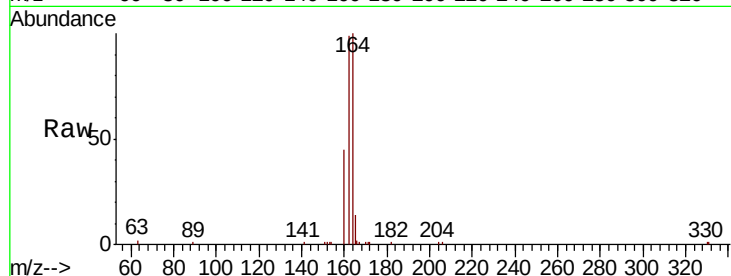
Tot Ion:164 Resp: 9908

Ion Ratio Lower Upper

164 100

162 99.4 81.9 122.9

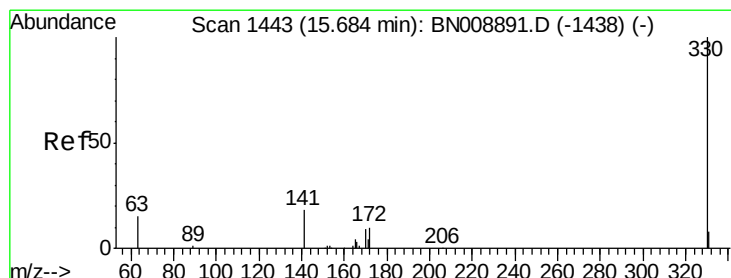
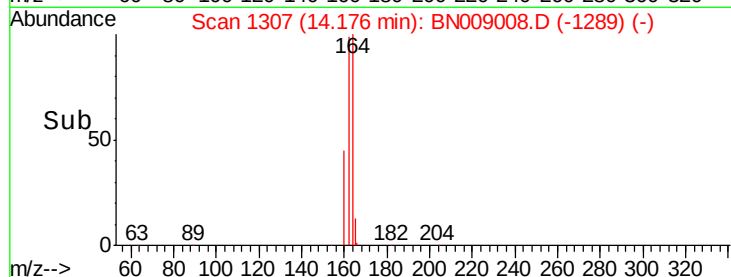
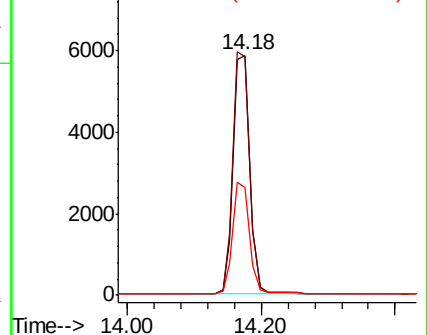
160 45.0 39.3 58.9



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: 0.401 ng

RT: 15.67 min Scan# 1441

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

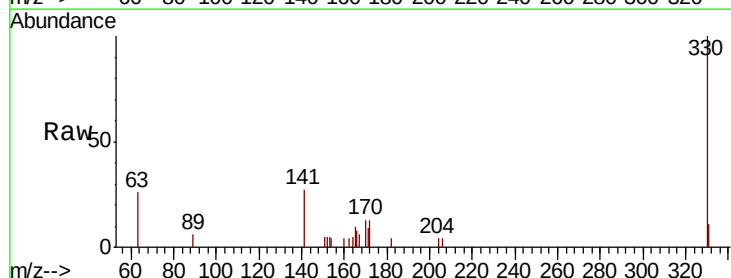
Tgt Ion:330 Resp: 1907

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

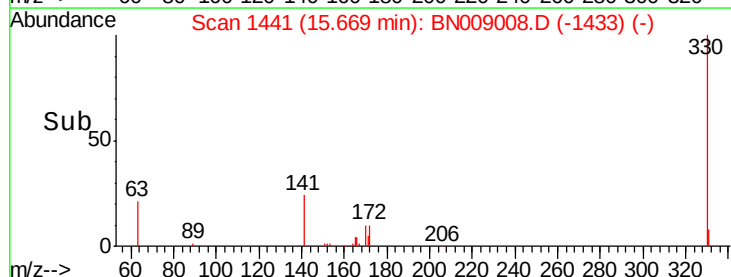
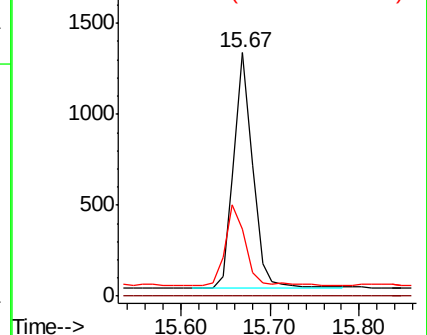
141 36.5 29.6 44.4

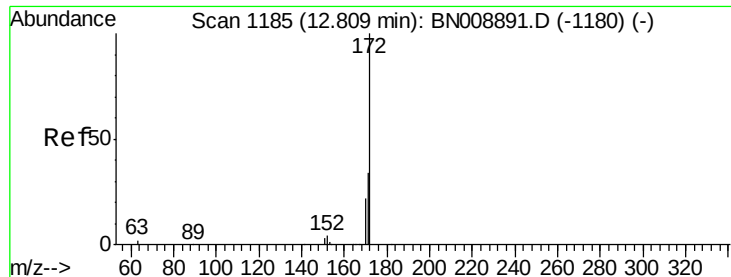


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

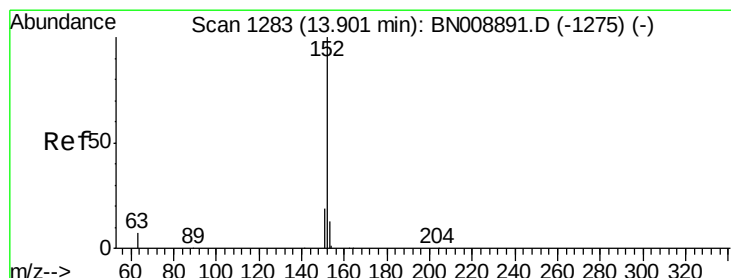
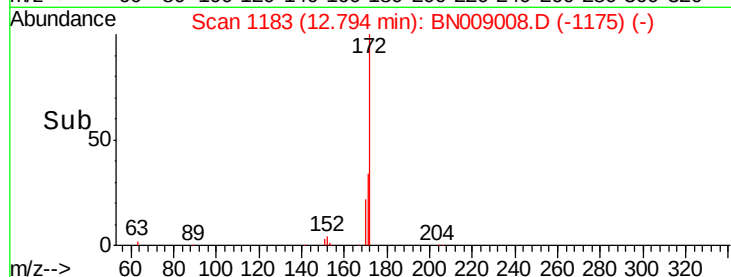
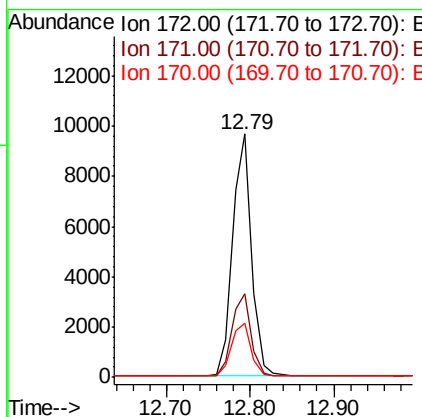
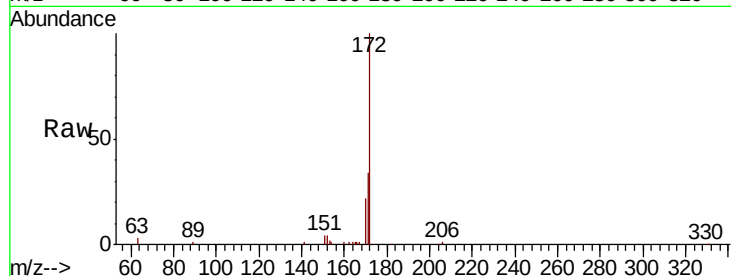




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 12.79 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BN009008.D
Acq: 17 Dec 2019 10:05

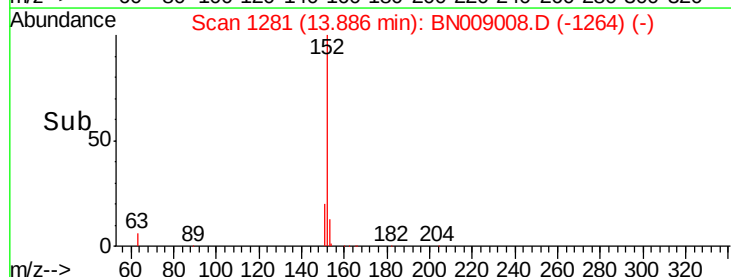
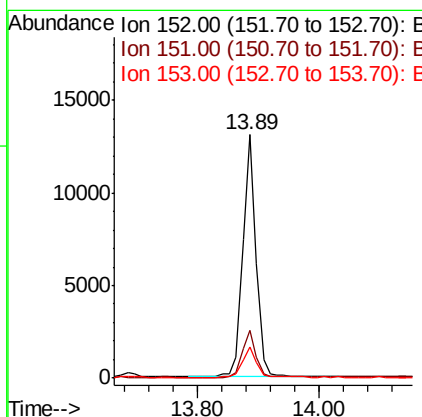
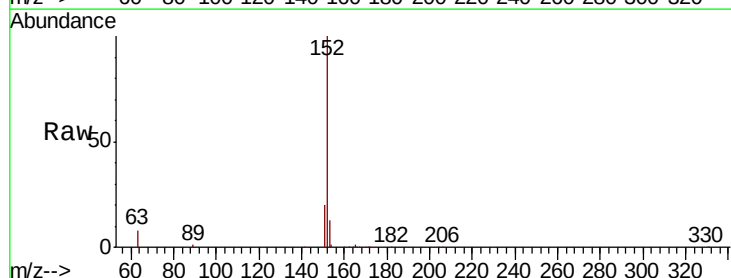
Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4

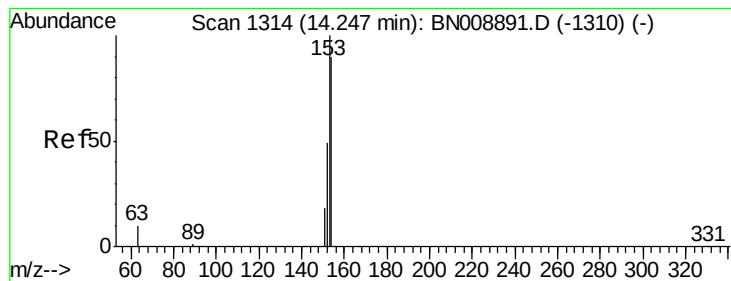
Tot Ion:172 Resp: 15125
Ion Ratio Lower Upper
172 100
171 34.1 27.1 40.7
170 22.0 17.7 26.5



#16
Acenaphthylene
Concen: 0.437 ng
RT: 13.89 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BN009008.D
Acq: 17 Dec 2019 10:05

Tgt Ion:152 Resp: 19790
Ion Ratio Lower Upper
152 100
151 19.2 15.3 22.9
153 12.9 10.3 15.5





#17

Acenaphthene

Concen: 0.423 ng

RT: 14.23 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

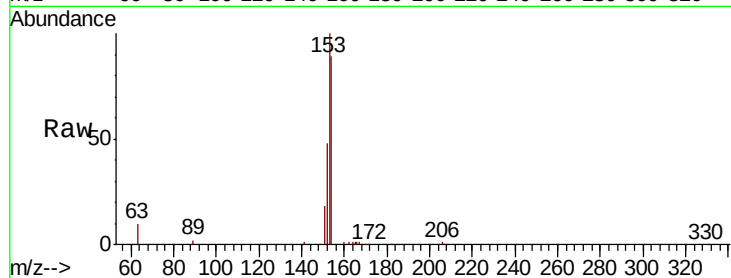
Tot Ion:154 Resp: 12740

Ion Ratio Lower Upper

154 100

153 112.5 89.2 133.8

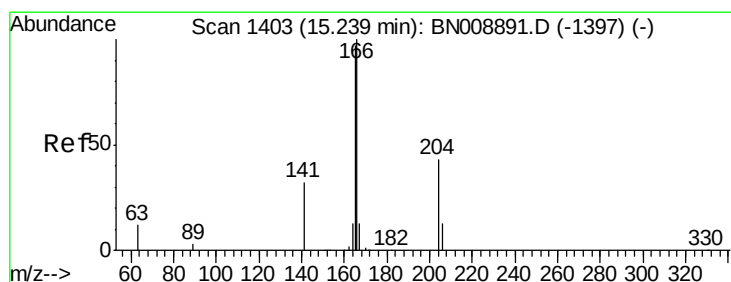
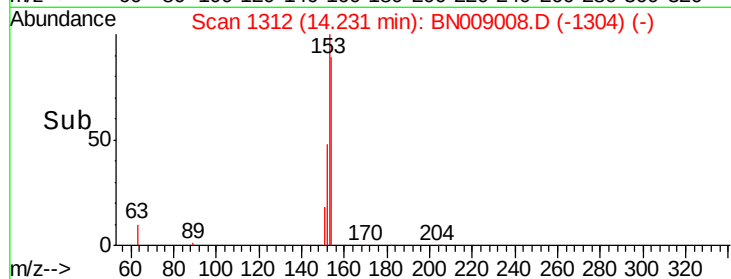
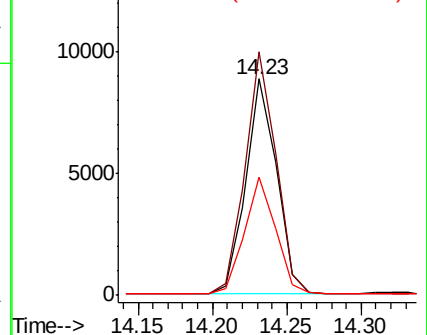
152 54.9 44.2 66.4



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: 0.421 ng

RT: 15.22 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

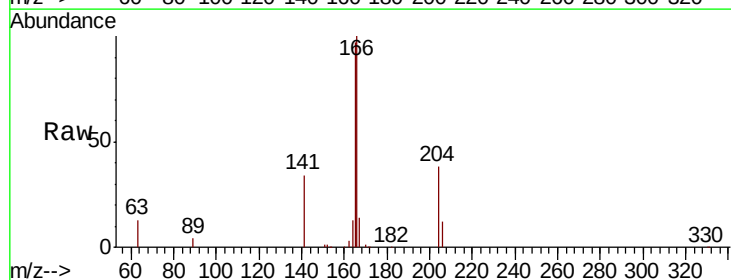
Tgt Ion:166 Resp: 17032

Ion Ratio Lower Upper

166 100

165 96.8 77.3 115.9

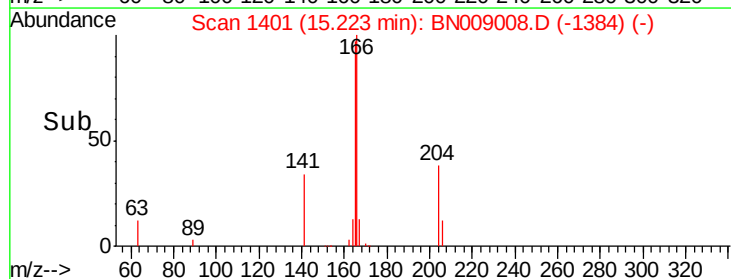
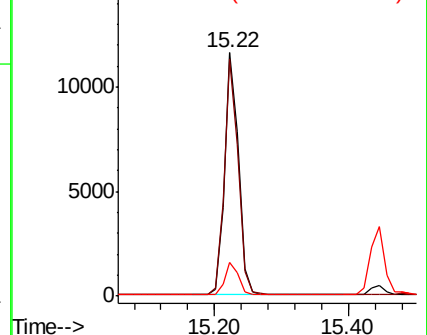
167 13.5 10.8 16.2

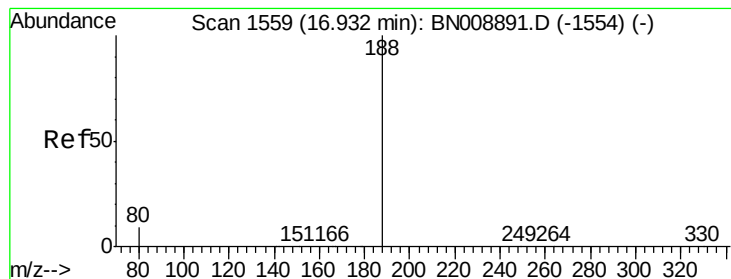


Abundance Ion 166.00 (165.70 to 166.70): E

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: 16.92 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

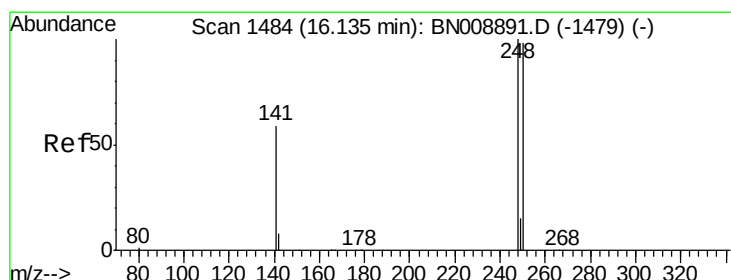
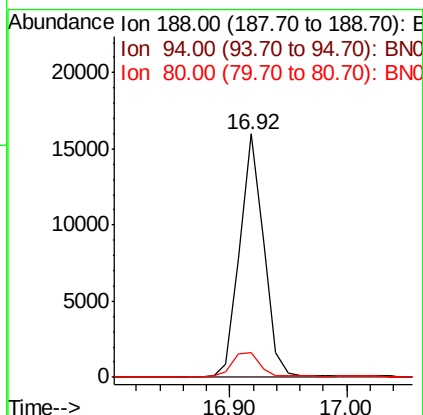
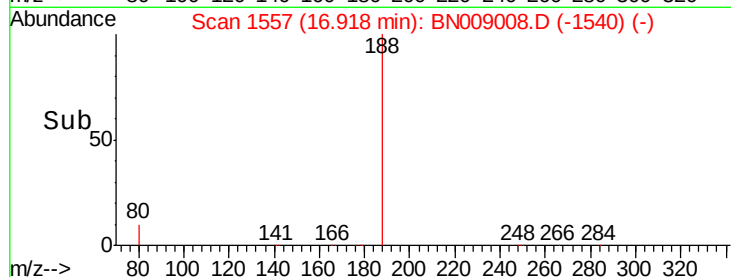
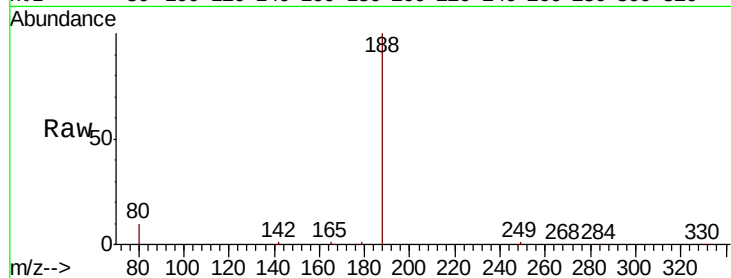
Tot Ion:188 Resp: 22425

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 7.3 10.9



#20

4-Bromophenyl-phenylether

Concen: 0.415 ng

RT: 16.12 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

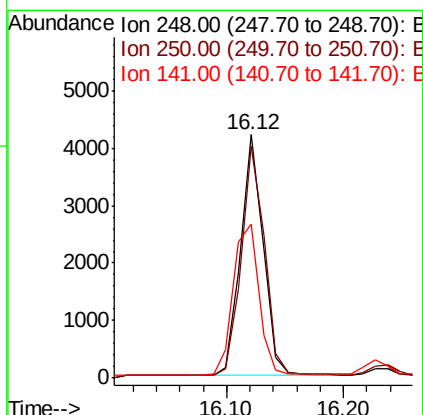
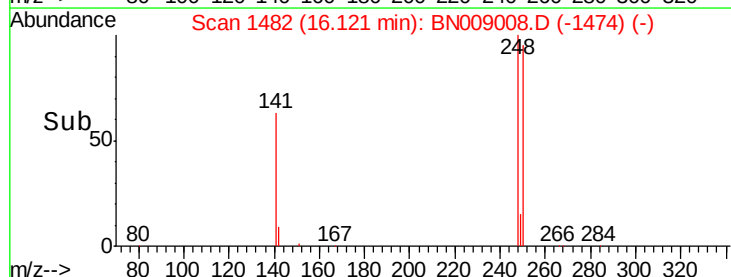
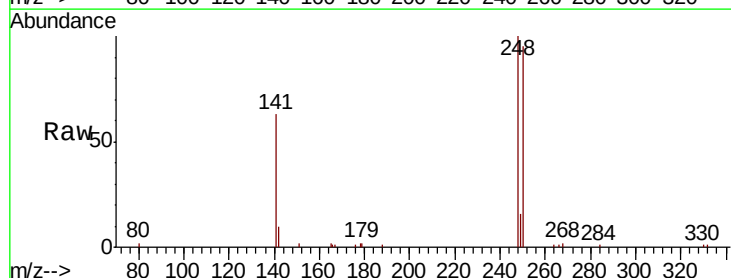
Tgt Ion:248 Resp: 5561

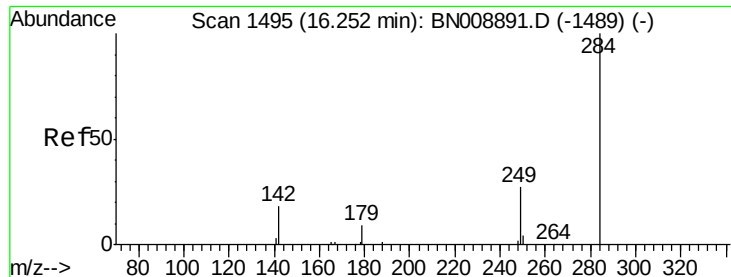
Ion Ratio Lower Upper

248 100

250 95.3 78.7 118.1

141 63.4 47.9 71.9





#21

Hexachlorobenzene

Concen: 0.420 ng

RT: 16.24 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

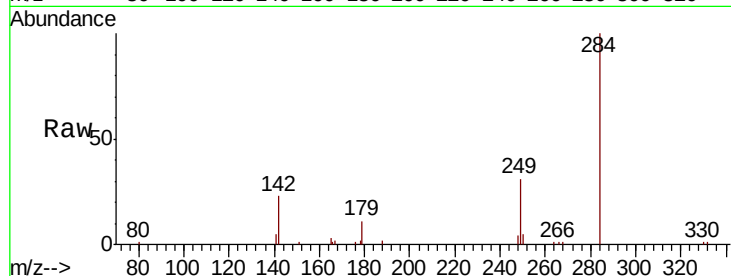
Tot Ion:284 Resp: 6414

Ion Ratio Lower Upper

284 100

142 33.4 27.8 41.6

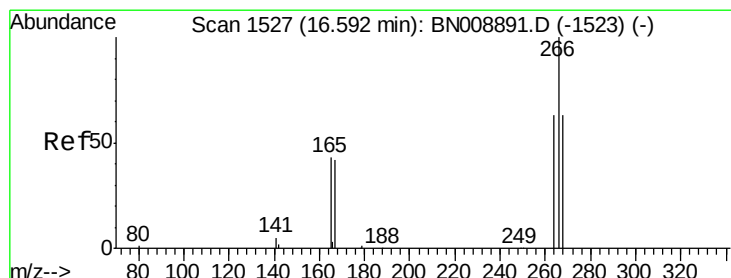
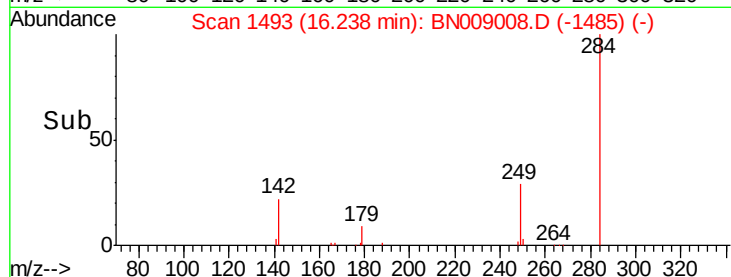
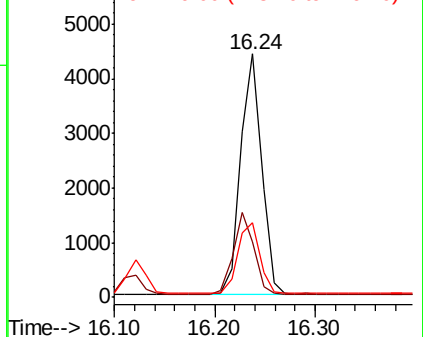
249 30.8 25.3 37.9



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: 0.391 ng

RT: 16.58 min Scan# 1525

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

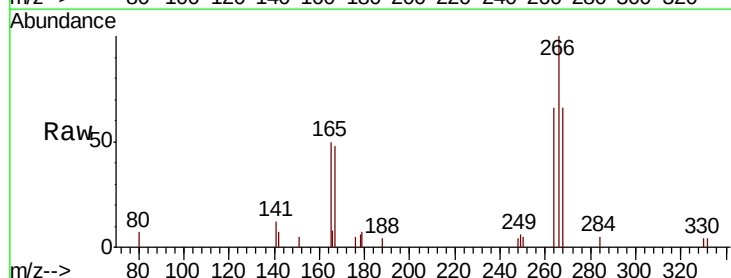
Tgt Ion:266 Resp: 2153

Ion Ratio Lower Upper

266 100

264 66.3 51.5 77.3

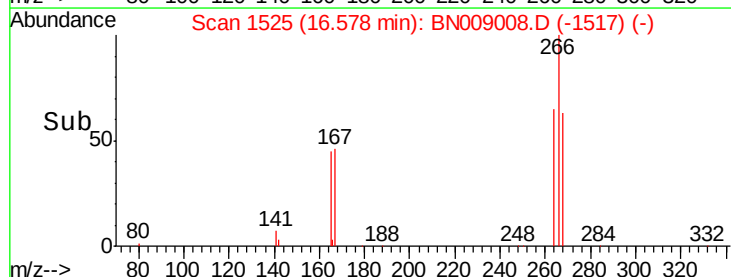
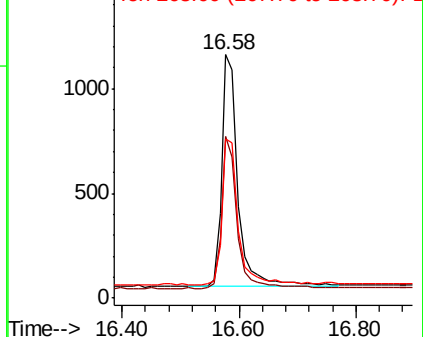
268 65.6 53.1 79.7

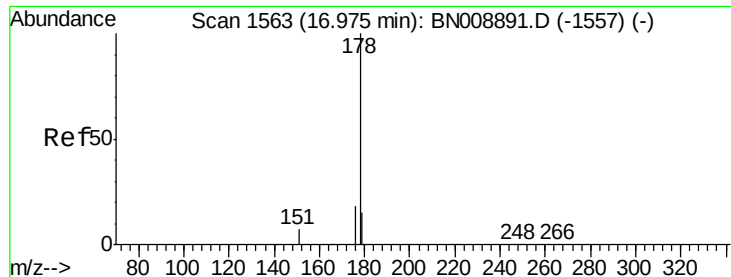


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.414 ng

RT: 16.96 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

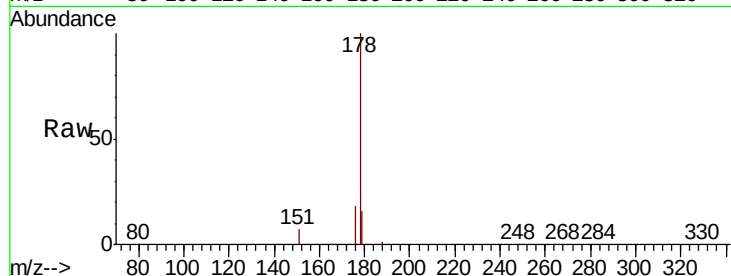
Tot Ion:178 Resp: 29189

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

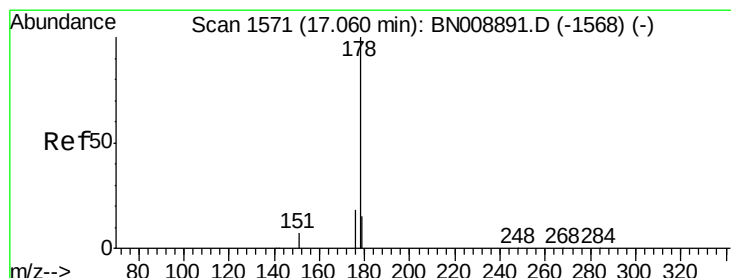
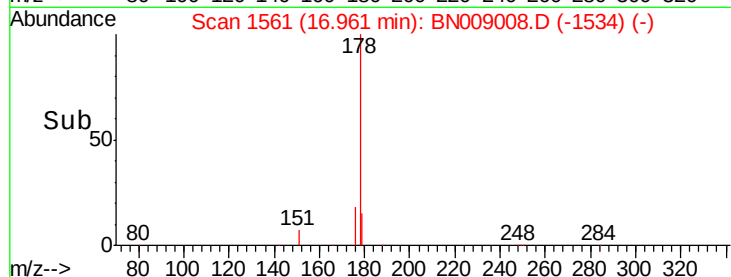
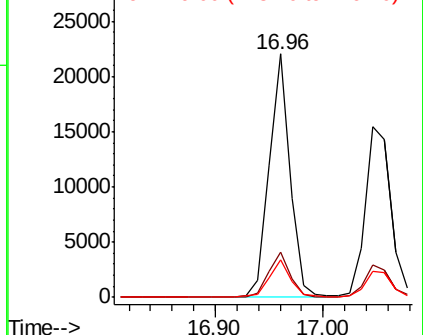
179 15.4 12.3 18.5



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: 0.410 ng

RT: 17.05 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

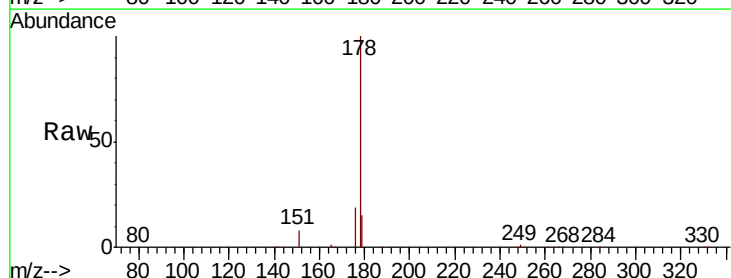
Tgt Ion:178 Resp: 25485

Ion Ratio Lower Upper

178 100

176 18.2 14.4 21.6

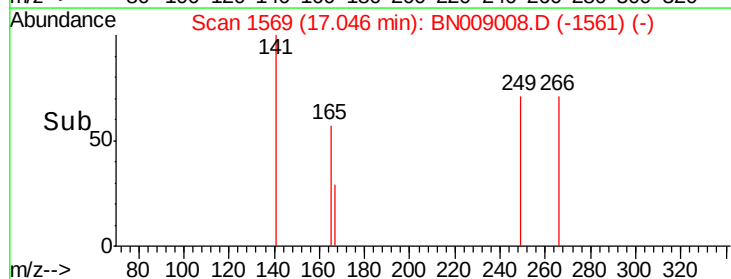
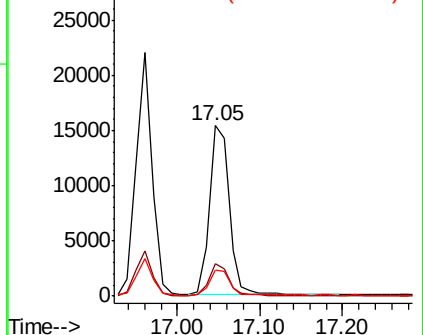
179 15.2 12.1 18.1

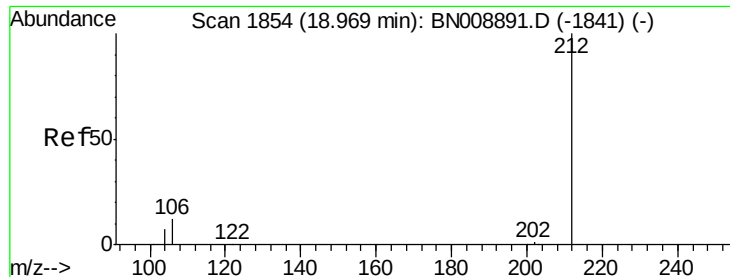


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.393 ng

RT: 18.96 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

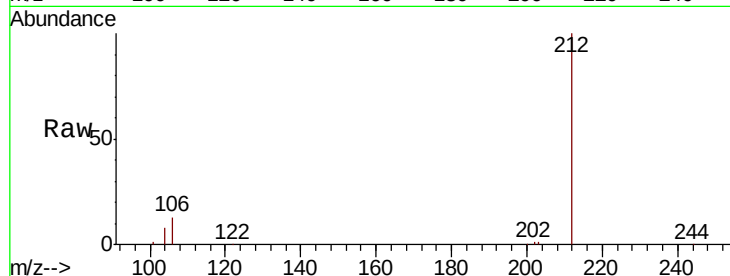
Tot Ion:212 Resp: 26694

Ion Ratio Lower Upper

212 100

106 13.2 10.4 15.6

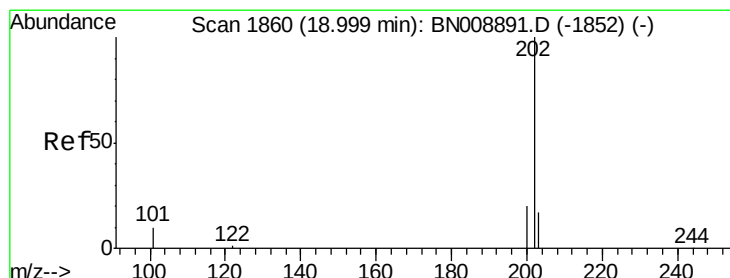
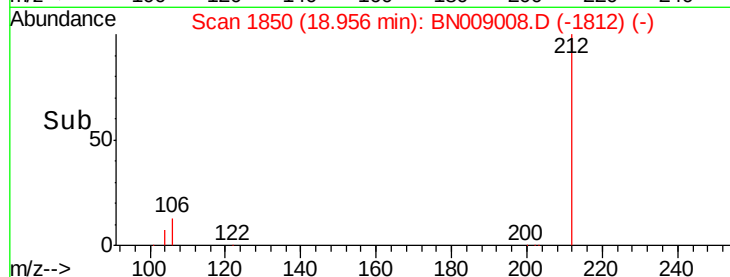
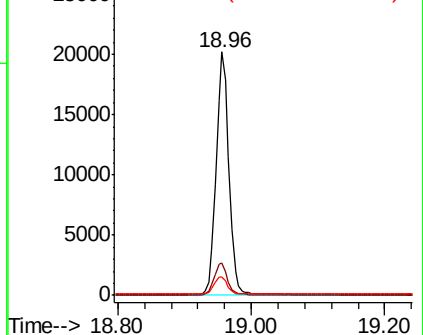
104 7.5 5.9 8.9



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: 0.402 ng

RT: 18.99 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

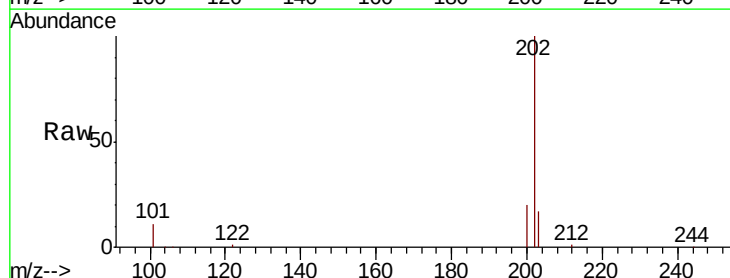
Tgt Ion:202 Resp: 33777

Ion Ratio Lower Upper

202 100

101 11.1 8.8 13.2

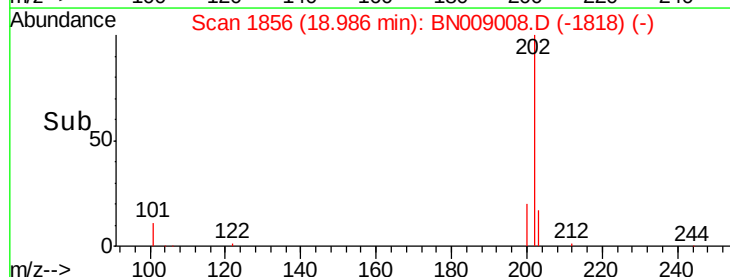
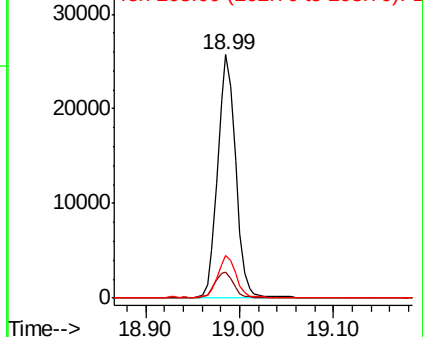
203 17.1 13.8 20.6

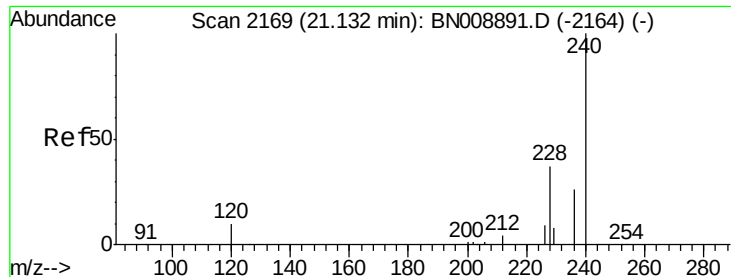


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

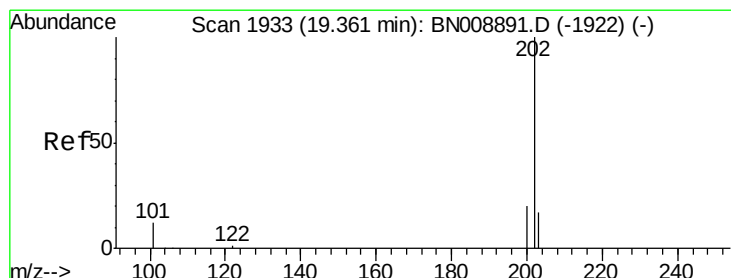
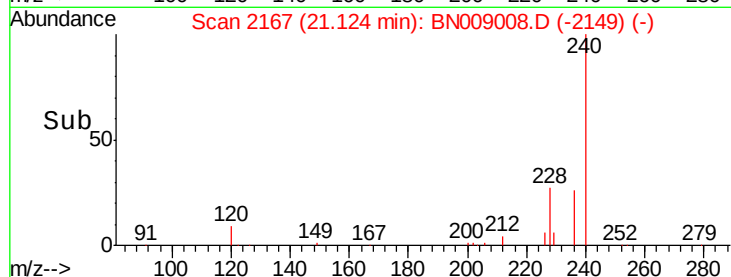
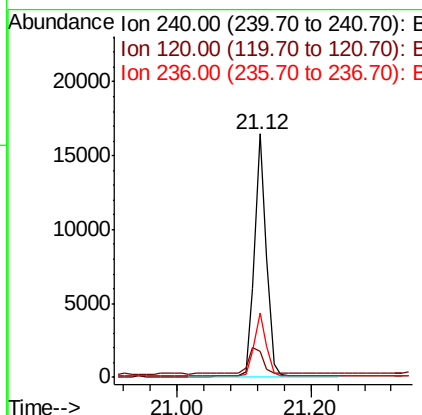
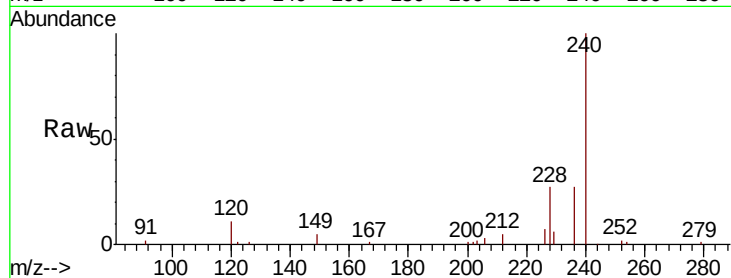




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.12 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BN009008.D
 Acq: 17 Dec 2019 10:05

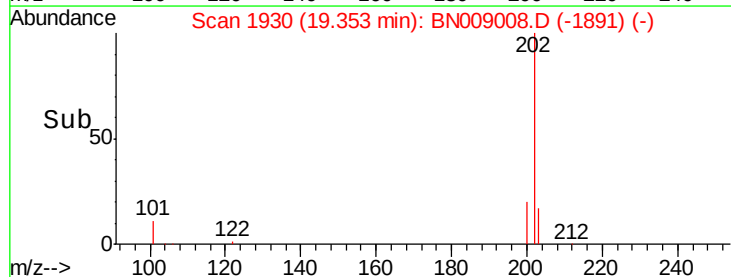
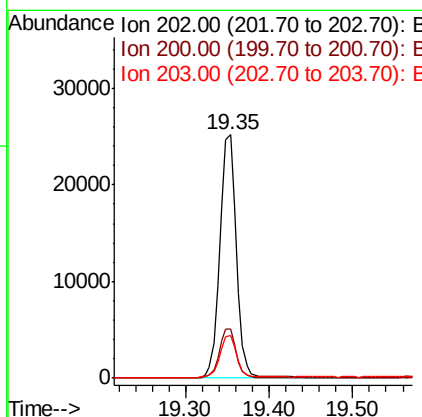
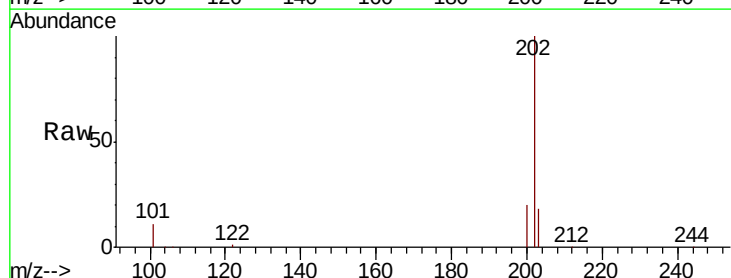
Instrument :
 BNA_N
 ClientSampleId :
 SSTDCCC0.4

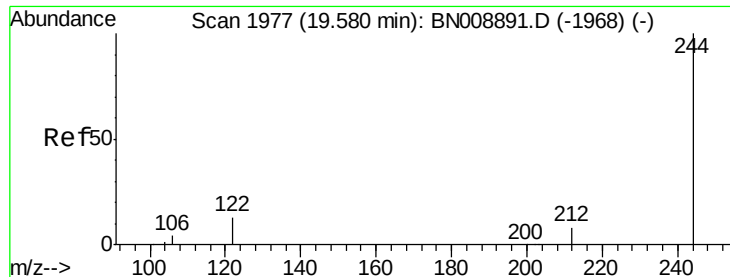
Tot Ion:240 Resp: 20380
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.1 13.7
 236 26.7 21.5 32.3



#28
 Pyrene
 Concen: 0.477 ng
 RT: 19.35 min Scan# 1930
 Delta R.T. -0.01 min
 Lab File: BN009008.D
 Acq: 17 Dec 2019 10:05

Tgt Ion:202 Resp: 34061
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.1 24.1
 203 17.4 13.9 20.9





#29

Terphenyl-d14

Concen: 0.449 ng

RT: 19.57 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

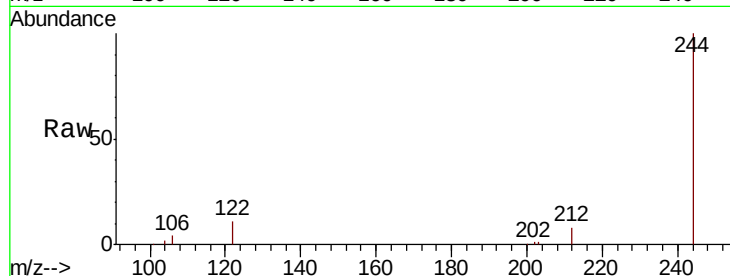
Tot Ion:244 Resp: 20890

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

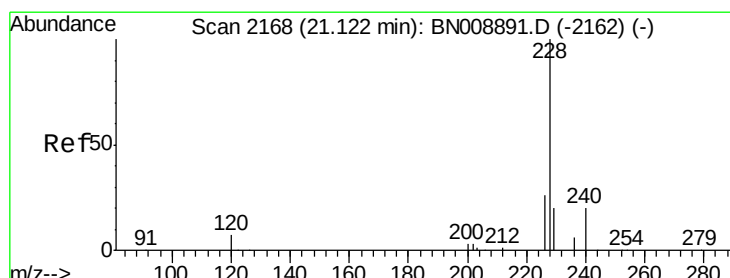
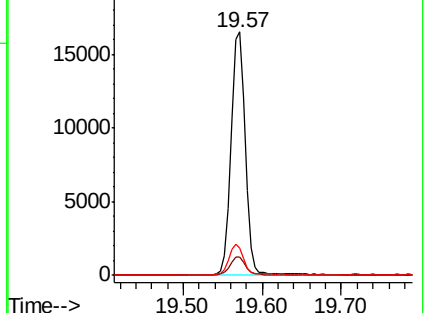
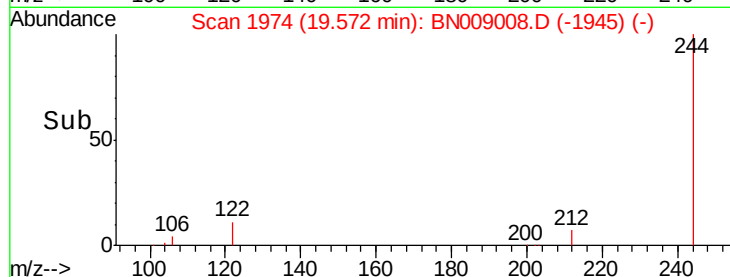
122 11.2 10.4 15.6



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: 0.437 ng

RT: 21.11 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

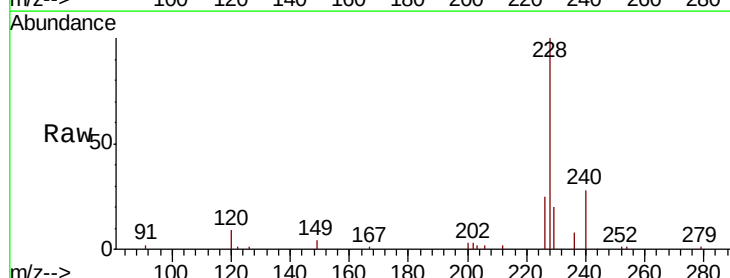
Tgt Ion:228 Resp: 31554

Ion Ratio Lower Upper

228 100

226 25.5 20.6 30.8

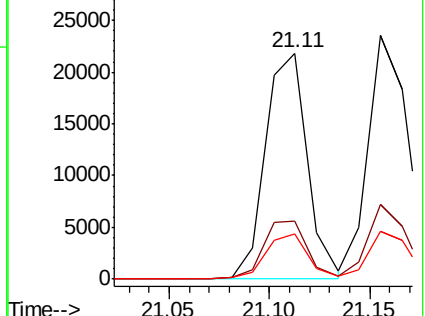
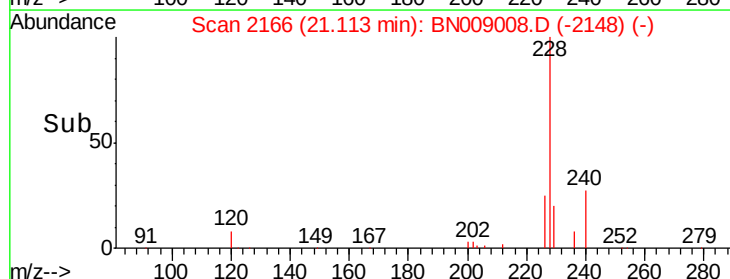
229 20.2 15.9 23.9

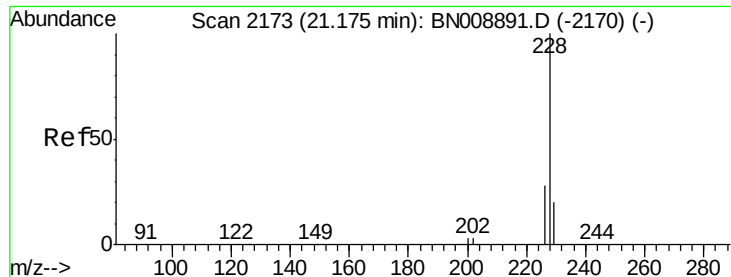


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.423 ng

RT: 21.16 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

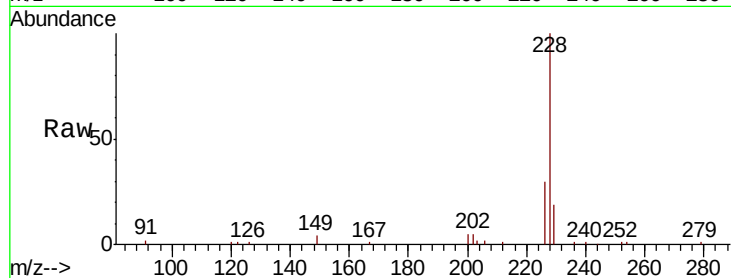
Tot Ion:228 Resp: 31673

Ion Ratio Lower Upper

228 100

226 30.5 22.2 33.4

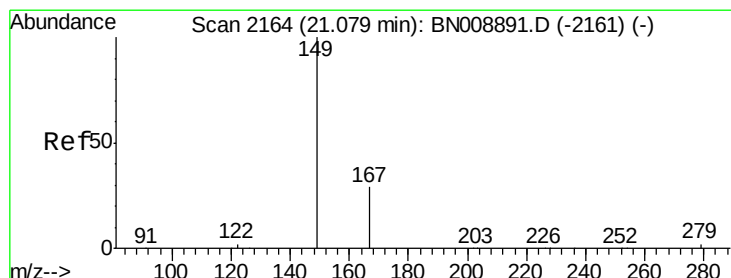
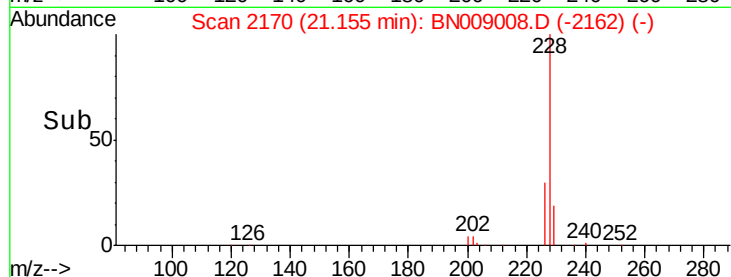
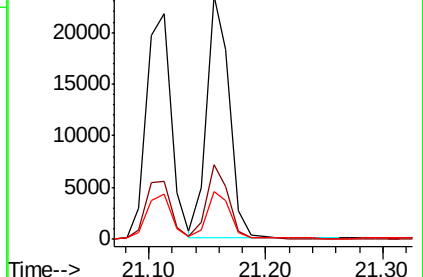
229 19.4 15.9 23.9



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: 0.489 ng

RT: 21.07 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

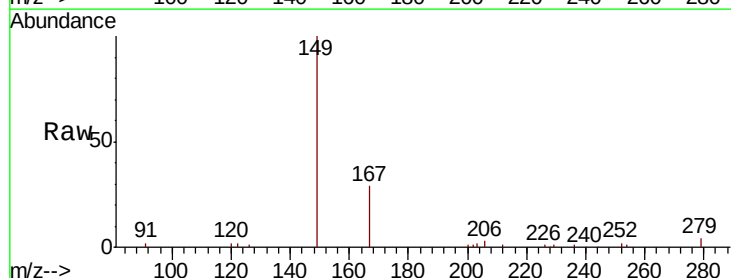
Tgt Ion:149 Resp: 16536

Ion Ratio Lower Upper

149 100

167 28.6 22.7 34.1

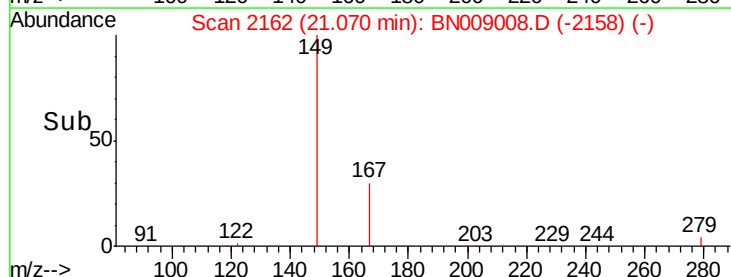
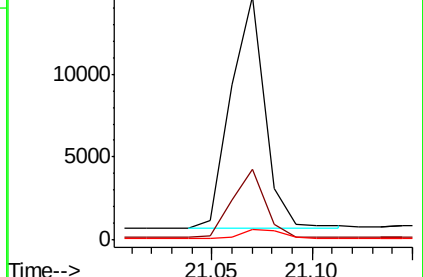
279 4.1 3.3 4.9

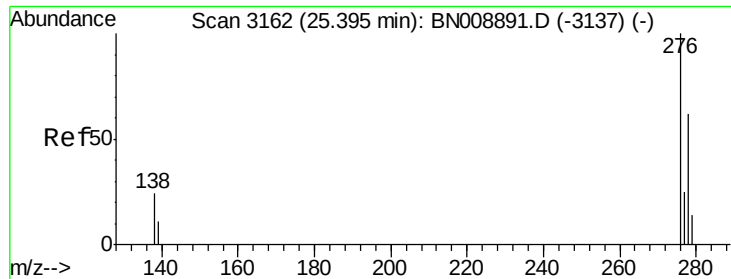


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.331 ng

RT: 25.37 min Scan# 3154

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

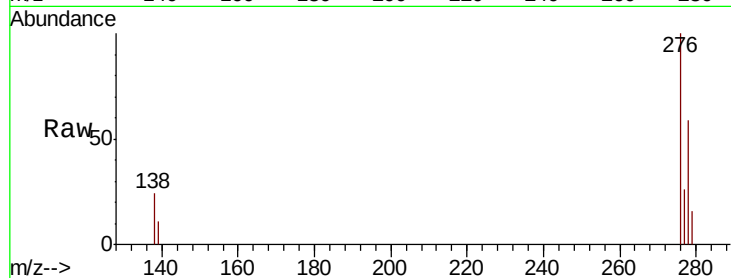
Tot Ion:276 Resp: 26272

Ion Ratio Lower Upper

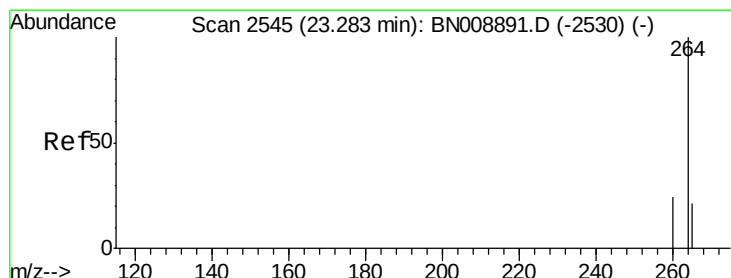
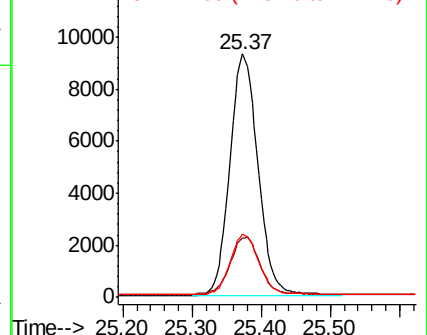
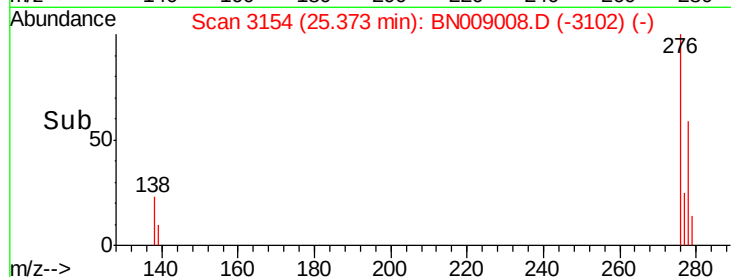
276 100

138 25.0 19.9 29.9

277 25.1 19.8 29.8



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: 23.27 min Scan# 2539

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

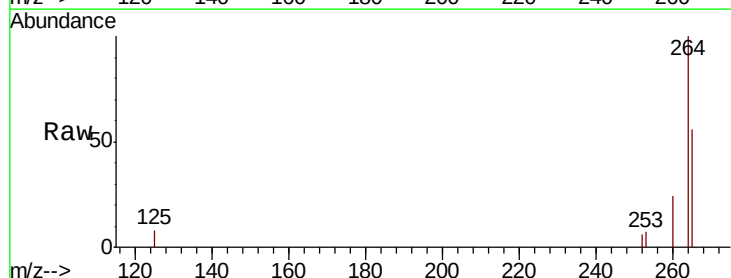
Tgt Ion:264 Resp: 17864

Ion Ratio Lower Upper

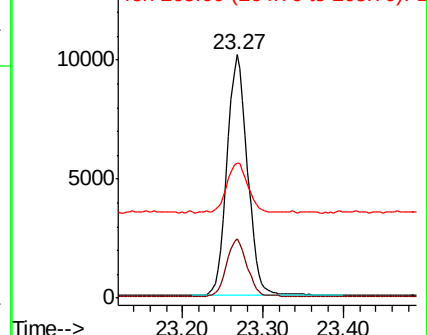
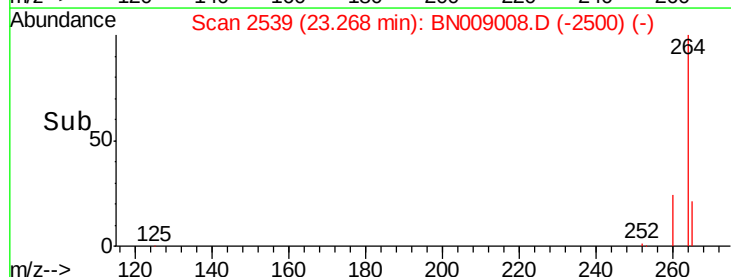
264 100

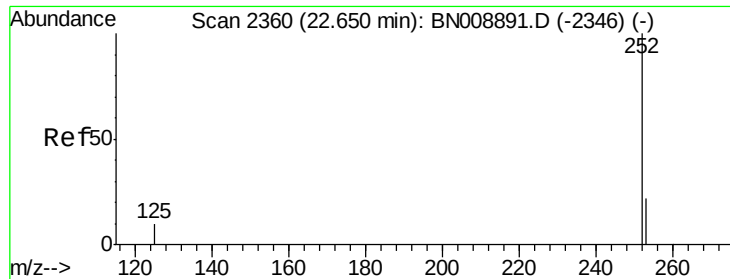
260 24.2 19.4 29.0

265 55.5 47.5 71.3



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: 0.430 ng

RT: 22.63 min Scan# 2354

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

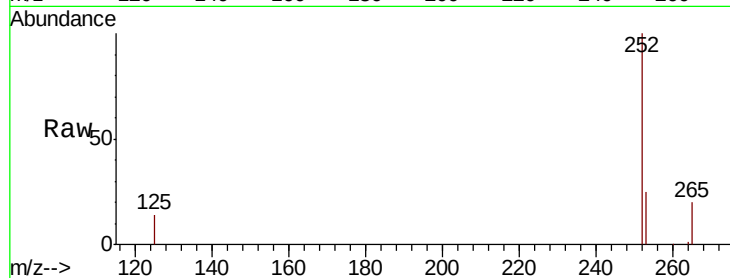
Tot Ion:252 Resp: 27507

Ion Ratio Lower Upper

252 100

253 24.6 19.8 29.6

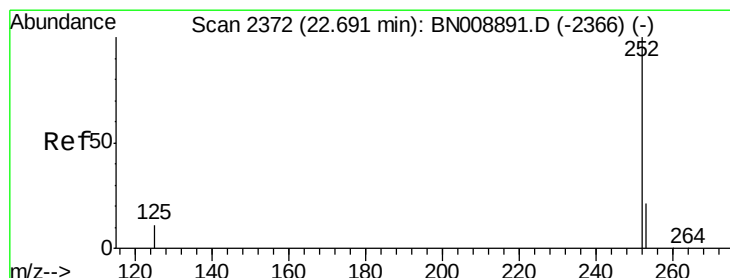
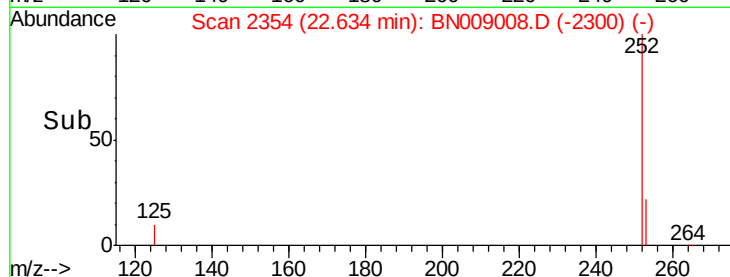
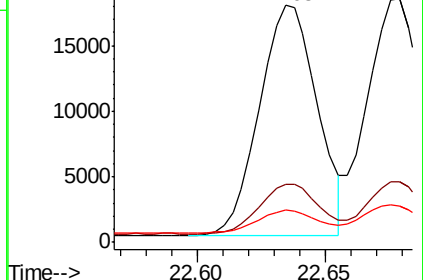
125 13.6 10.8 16.2



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: 0.435 ng

RT: 22.68 min Scan# 2367

Delta R.T. -0.01 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

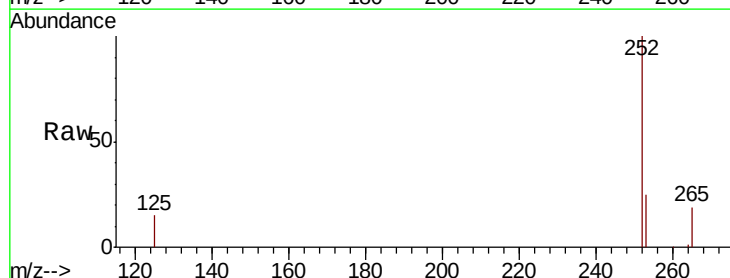
Tgt Ion:252 Resp: 28020

Ion Ratio Lower Upper

252 100

253 25.1 19.2 28.8

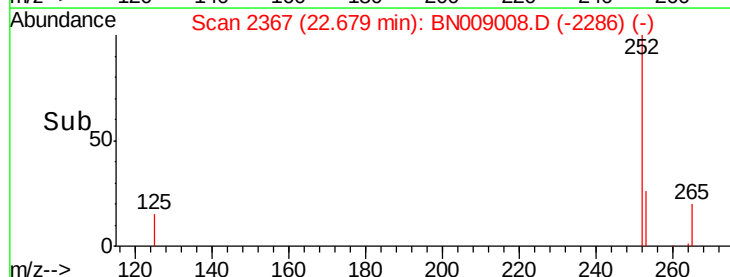
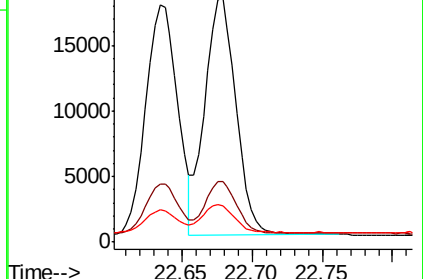
125 14.8 11.6 17.4

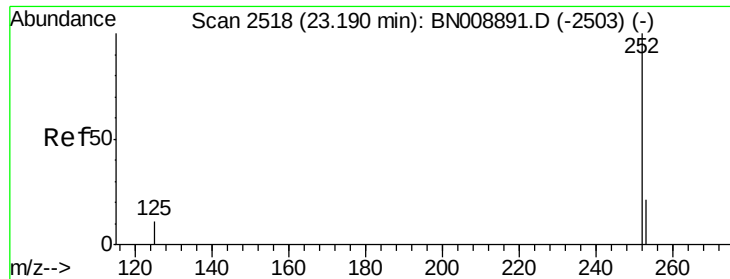


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.421 ng

RT: 23.18 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

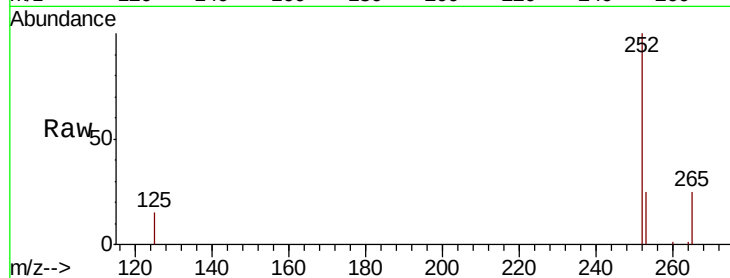
Tot Ion:252 Resp: 24158

Ion Ratio Lower Upper

252 100

253 25.3 19.9 29.9

125 15.0 12.3 18.5

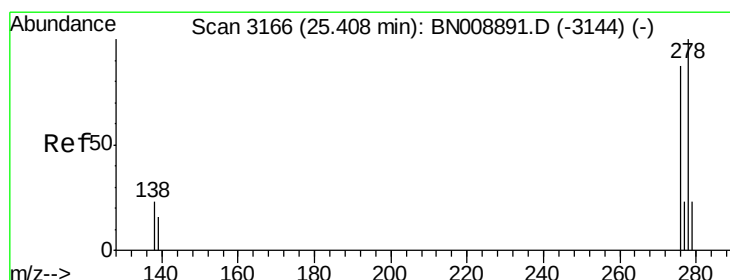
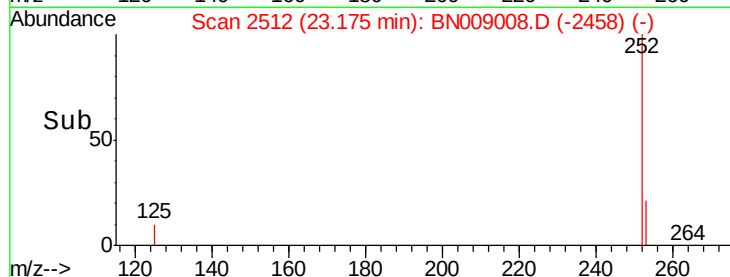
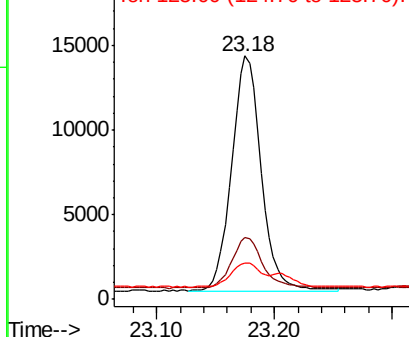


Abundance

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: 0.393 ng

RT: 25.39 min Scan# 3159

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

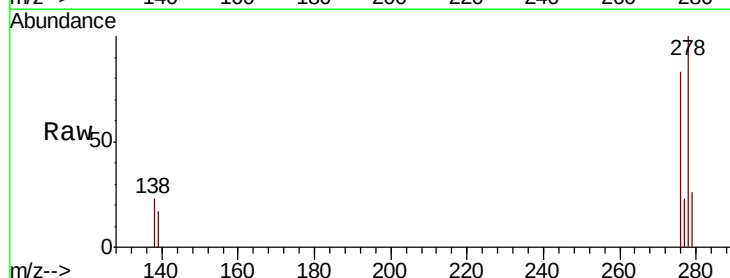
Tgt Ion:278 Resp: 21146

Ion Ratio Lower Upper

278 100

139 17.2 13.9 20.9

279 26.1 20.2 30.4

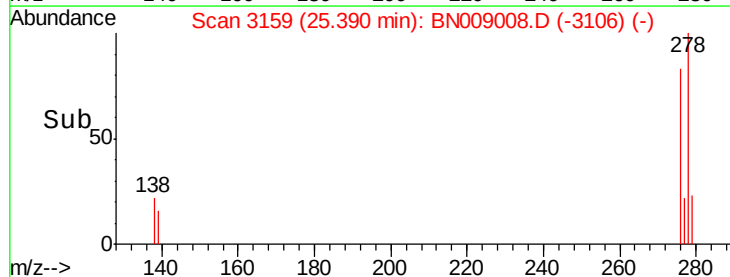
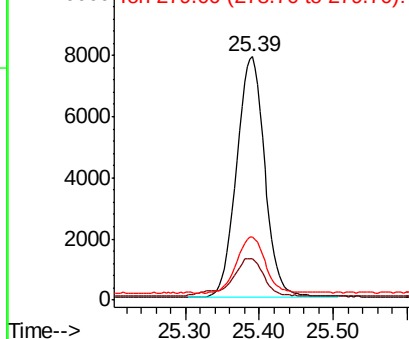


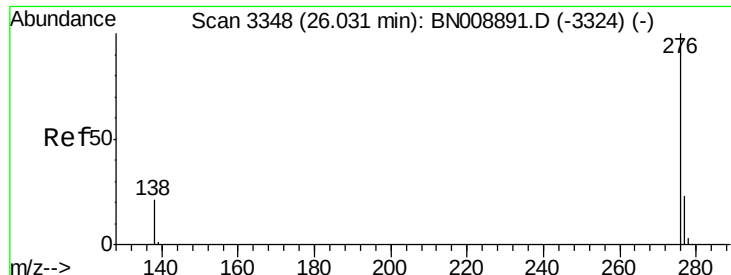
Abundance

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: 0.404 ng

RT: 26.01 min Scan# 3341

Delta R.T. -0.02 min

Lab File: BN009008.D

Acq: 17 Dec 2019 10:05

Instrument :

BNA_N

ClientSampleId :

SSTDCCC0.4

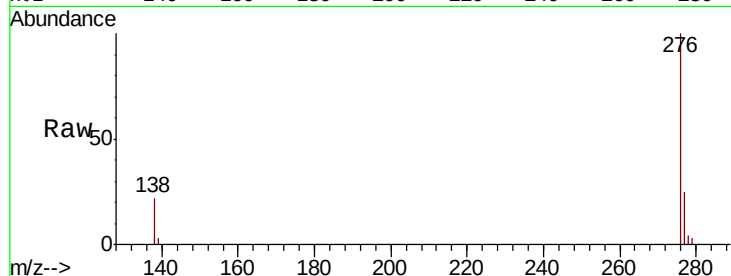
Tot Ion: 276 Resp: 21495

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 22.2 17.8 26.6



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

